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)

3 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
1001 Highlands Plaza Drive West
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314 429 0100 tel
314 429 0462 fax

October 7, 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 – 3rd 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 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 Program Manager

Enclosures: 3rd 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
Lori Littrell, 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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3rd Quarter 2016 Report Roxana Interim Groundwater Monitoring Program

Prepared for:
Shell Oil Products US
Roxana, Illinois

October 2016
Project 60477387

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1 Introduction

AECOM Technical Services Inc. (AECOM) is submitting this report on behalf of Shell Oil Products US (SOPUS) for the 3rd Quarter 2016 (3Q16) 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 Corporation (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. IEPA responded to the August 16, 2013 and both January 14, 2014 letters in a correspondence dated July 27, 2016 (IEPA, 2016b). In the July 27, 2016 letter, IEPA approved the request to abandon perched wells P-60-12S, P-60-13S, ROST-5-PZ, ROST-7-PZ, ROST-10-PZ, and ROST-21-PZ and remove them from the program. Abandonment activities were conducted on September 15, 2016.

[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.

In the 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 (MW-16 through MW-22 and MW-24) were installed during 4th Quarter 2012 (4Q12)) and incorporated into the Interim Groundwater Monitoring 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 letter dated July 27, 2016 (IEPA, 2016c), IEPA approved the July 29, 2013 letter with the following conditions and modifications:

- Address the potentiometric high in the northern portion of the Study Area, by submitting a proposal within 120 days, which at a minimum will include:
  - A proposal to install nested wells that will track the area of the low-permeability zone.
  - The nested wells must be adequate to verify groundwater quality, flow direction, and hydraulic gradient, and these wells should show that pumping overcomes potential radial flow.
- A text section must be added to the Interim Groundwater Monitoring Program quarterly reports to provide a detailed discussion of the potentiometric surface in this area. SOPUS is currently working on a response to this letter.

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. These groundwater monitoring wells (MW-25 through MW-28) were added to the Interim Groundwater Monitoring Program in 4th Quarter 2014 (4Q14).

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. Well MW-23 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, AECOM, on behalf of SOPUS, submitted a demonstration to verify the extent of groundwater contamination has been delineated (AECOM, 2015). The demonstration is based on monitoring data from wells in the Roxana Interim Groundwater Monitoring Program. Additional information was submitted to IEPA in a letter dated January 29, 2016 (AECOM, 2016a). In a letter dated February 23, 2016 (IEPA, 2016a), IEPA agreed with this determination and required a Groundwater Management Zone (GMZ) proposal be submitted within 90 days. The GMZ proposal was submitted by AECOM, on behalf of SOPUS, on May 19, 2016 (AECOM, 2016b). A response to this proposed GMZ is pending as of the date of this report.

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 3Q16 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 3Q16 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 3Q16:

- Perched wells P-60-12S, P-60-13S, ROST-5-PZ, ROST-7-PZ, ROST-10-PZ, and ROST-21-PZ were removed from the Interim Groundwater Monitoring Program and were abandoned on September 15, 2016.

2.2 Groundwater Monitoring Well Gauging and Sampling

Groundwater Monitoring Well Gauging

The comprehensive quarterly groundwater monitoring well gauging event was conducted between July 5 and 8, 2016. The 3Q16 gauging activities were conducted in conjunction with the 3Q16 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 3Q16 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 July 8 through July 18, 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.

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 Proactive™ Stainless Steel Monsoon Pump (Monsoon), low-flow controller, and designated[3] polyethylene tubing. The Monsoon and designated polyethylene tubing were slowly lowered into the groundwater monitoring well to be sampled and set with the Monsoon intake near the midpoint of the groundwater monitoring well screen.

Groundwater monitoring wells P-93B and P-93D were purged and sampled using dedicated stainless steel QED Environmental Systems (QED) Well Wizard® groundwater sampling pumps (Well Wizard) and dedicated bonded polyethylene tubing. The Well Wizards typically have a length of 42 inches, an outside diameter of 1.5 inches, and a Teflon® bladder capacity of approximately 495 milliliters. The Well Wizard and associated bonded polyethylene tubing are dedicated to each well and remain in place between sampling events. The dedicated pump intake is

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

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 two hours was reached, the groundwater flow was diverted from the flow-through cell and groundwater samples were collected for volatile organic compound (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 A**.

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 – September 1, 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 manufacturers' 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 alcohol, then washing with LiquiNox® and distilled water, and finishing with a distilled water rinse. The wash and rinse water were 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 (designated staging area). 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

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 B**.

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 Laboratories, Inc. (TestAmerica) in Pensacola, Florida[4] for analysis.

Samples were analyzed by TestAmerica for VOCs via USEPA Methods 8260B and 8011, for SVOCs via USEPA Method 8270D, and for Polycyclic Aromatic Hydrocarbons (PAHs) via USEPA Method 8270D 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. Evaluation of the 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 B**. 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.

[4] 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.

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 3Q16 groundwater gauging and sampling event.

3.1 Groundwater Monitoring Well Gauging Results

The comprehensive quarterly groundwater monitoring well gauging for the 3Q16 event was conducted between July 5 and 8, 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 risen approximately one foot since 2nd Quarter 2016 (2Q16). Groundwater levels in most wells in the WRR have risen approximately one foot since 2Q16. Water levels are above the top of the screens in the majority of the wells gauged during the 3Q16 event. Water levels are within the screened intervals for less than half of the wells along the West Fenceline. The potentiometric surface observed during the 3Q16 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 3Q16. During the 3Q16 gauging event in July, groundwater was encountered in P-60-13S, ROST-7-PZ, and ROST-21-PZ, however the volume present was insufficient for sampling; groundwater was not encountered in P-60-12S, ROST-5-PZ, or ROST-10-PZ. ROST-5-PZ has been dry for twelve consecutive quarters, and ROST-10-PZ has been dry for at least twelve consecutive quarters. The 3Q16 gauging results for perched groundwater monitoring wells and piezometers can be found in **Table 1a**.

During the 3Q16 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 0.09 to 1.06 feet. LNAPL was observed above the screened intervals of P-55R, P-60, and P-68.

During 3Q16 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**. Ranges of LNAPL thicknesses throughout 3Q16 are summarized in the table below.

Monitoring Well	Range of LNAPL Thickness (feet)	Comments
P-55R	0.09 - 0.43	Observed in 11 of 13 weeks
P-60	0.04 - 0.09	Observed in 11 of 13 weeks
P-68	0.05 - 1.06	Observed in 10 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 3Q16 gauging event.

3.2 Data Quality Review Results

A total of fourteen sample delivery groups (SDGs) were prepared and sent to TestAmerica for the 3Q16 event. Forty-eight 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 two matrix spike/matrix spike duplicate (MS/MSD) sets. SDGs for 3Q16 are presented in **Appendix B**.

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 fourteen TB sets were analyzed for groundwater VOCs. Laboratory method blanks were analyzed with every analytical batch.

Based on laboratory control sample (LCS), 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 B**.

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 2Q16 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[5]. 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 eighteen groundwater monitoring wells in the Interim Groundwater Monitoring Program (nine 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
- bis(2-Ethylhexyl)phthalate
- Pentachlorophenol
- Ethylbenzene
- 1,3,5-Trimethylbenzene
- 2-Methylnaphthalene
- Phenol

Figure 5 presents concentrations of analytes that exceeded the indicated screening criteria for 3Q16. **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 3Q16 Interim Groundwater Monitoring Program, and the following conclusions are based on the data and information collected as part of this program:

– During 3Q16, 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

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

had risen approximately one foot since the previous quarter. Groundwater levels observed in most monitoring wells in the WRR had risen approximately one foot since the previous quarter.

- 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. After receiving approval from the IEPA (IEPA, 2016b), perched wells P-60-12S, P-60-13S, ROST-5-PZ, ROST-7-PZ, ROST-10-PZ, and ROST-21-PZ were removed from the Interim Groundwater Monitoring Program and were abandoned on September 15, 2016.
- The analytical results from 3Q16 are generally similar to those from previous quarters with the exception of a few wells in which the benzene concentrations decreased but were still within historic ranges.

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.

Data used by AECOM in preparing this report have been furnished to AECOM by SOPUS, SOPUS' contractors, and P66. 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											
4Q13	442.65	10/1/2013	NE	40.23	NA	NA	NA	402.42	393.85 - 383.85 (48.80 - 58.80)	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	*
2Q16		4/4/2016	NE	40.24	NA	NA	NA	402.41		0.0	*
3Q16		7/5/2016	NE	39.32	NA	NA	NA	403.33		0.8	*
MW-02											
4Q13	443.77	10/1/2013	NE	41.56	NA	NA	NA	402.21	393.90 - 383.90 (49.87 - 59.87)	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	*
2Q16		4/4/2016	NE	41.55	NA	NA	NA	402.22		199.1	*
3Q16		7/5/2016	NE	40.64	NA	NA	NA	403.13		123.0	*
MW-03											
4Q13	430.08	10/2/2013	NE	27.21	NA	NA	NA	402.87	395.41 - 385.41 (34.67 - 44.67)	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	*
2Q16		4/4/2016	NE	27.31	NA	NA	NA	402.77		0.0	*
3Q16		7/5/2016	NE	26.46	NA	NA	NA	403.62		0.0	*
MW-04											
4Q13	441.14	10/2/2013	NE	38.49	NA	NA	NA	402.65	395.08 - 385.08 (46.06 - 56.06)	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	*
2Q16		4/4/2016	NE	38.61	NA	NA	NA	402.53		0.0	*
3Q16		7/5/2016	NE	37.87	NA	NA	NA	403.27		48.1	*
MW-05											
4Q13	429.80	10/2/2013	NE	26.85	NA	NA	NA	402.95	395.83 - 385.83 (33.97 - 43.97)	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	*
2Q16		4/4/2016	NE	27.02	NA	NA	NA	402.78		0.0	*
3Q16		7/5/2016	NE	26.25	NA	NA	NA	403.55		3.3	*
MW-06A											
4Q13	432.14	10/2/2013	NE	28.75	NA	NA	NA	403.39	397.31 - 387.31 (34.83 - 44.83)	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	*
2Q16		4/4/2016	NE	29.17	NA	NA	NA	402.97		0.0	*
3Q16		7/7/2016	NE	28.40	NA	NA	NA	403.74		0.0	*

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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											
4Q13	432.29	10/2/2013	NE	28.80	NA	NA	NA	403.49	368.24 - 363.24 (64.05 - 69.05)	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	*
2Q16		4/4/2016	NE	29.39	NA	NA	NA	402.90		82.8	*
3Q16		7/7/2016	NE	28.42	NA	NA	NA	403.87		0.0	*
MW-06C											
4Q13	432.11	10/2/2013	NE	28.58	NA	NA	NA	403.53	347.16 - 342.16 (84.95 - 89.95)	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	*
2Q16		4/4/2016	NE	28.99	NA	NA	NA	403.12		24.9	*
3Q16		7/7/2016	NE	28.24	NA	NA	NA	403.87		0.0	*
MW-06D											
4Q13	431.99	10/2/2013	NE	28.45	NA	NA	NA	403.54	327.27 - 322.27 (104.72 - 109.72)	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	*
2Q16		4/4/2016	NE	28.84	NA	NA	NA	403.15		22.4	*
3Q16		7/7/2016	NE	28.09	NA	NA	NA	403.90		0.0	*
MW-07											
4Q13	443.10	10/2/2013	NE	40.33	NA	NA	NA	402.77	400.18 - 390.18 (42.92 - 52.92)	NM	*
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		4259.0	*
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		6007.0	*
2Q16		4/4/2016	NE	40.71	NA	NA	NA	402.39		4292.0	*
3Q16		7/5/2016	NE	40.10	NA	NA	NA	403.00		885.6	*
MW-08											
4Q13	434.11	10/2/2013	NE	31.26	NA	NA	NA	402.85	400.51 - 390.51 (33.60 - 43.60)	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	*
2Q16		4/4/2016	NE	31.56	NA	NA	NA	402.55		247.6	*
3Q16		7/5/2016	NE	30.89	NA	NA	NA	403.22		296.0	*
MW-09											
4Q13	445.20	10/1/2013	NE	42.29	NA	NA	NA	402.91	398.75 - 388.75 (46.45 - 56.45)	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	*
2Q16		4/4/2016	NE	41.87	NA	NA	NA	403.33		0.0	*
3Q16		7/6/2016	NE	40.96	NA	NA	NA	404.24		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
MW-10											
4Q13	445.03	10/1/2013	NE	42.45	NA	NA	NA	402.58	400.60 - 390.60 (44.43 - 54.43)	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	*
2Q16		4/4/2016	NE	41.98	NA	NA	NA	403.05		0.0	*
3Q16		7/5/2016	NE	41.00	NA	NA	NA	404.03		0.0	*
MW-11											
4Q13	442.33	10/1/2013	NE	39.84	NA	NA	NA	402.49	400.67 - 390.67 (41.66 - 51.66)	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	*
2Q16		4/4/2016	NE	39.53	NA	NA	NA	402.80		0.0	*
3Q16		7/6/2016	NE	38.39	NA	NA	NA	403.94		0.0	*
MW-12											
4Q13	442.60	10/1/2013	NE	40.05	NA	NA	NA	402.55	400.68 - 390.68 (41.92 - 51.92)	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	*
2Q16		4/4/2016	NE	39.88	NA	NA	NA	402.72		0.0	*
3Q16		7/6/2016	NE	38.87	NA	NA	NA	403.73		0.0	*
MW-13											
4Q13	430.27	10/2/2013	NE	26.69	NA	NA	NA	403.58	404.70 - 394.70 (25.57 - 35.57)	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	
2Q16		4/5/2016	NE	26.75	NA	NA	NA	403.52		71.4	
3Q16		7/8/2016	NE	26.16	NA	NA	NA	404.11		3.2	
MW-14											
4Q13	434.44	10/2/2013	NE	30.58	NA	NA	NA	403.86	401.02 - 391.02 (33.42 - 43.42)	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	*
2Q16		4/5/2016	NE	31.35	NA	NA	NA	403.09		64.1	*
3Q16		7/8/2016	NE	30.72	NA	NA	NA	403.72		48.3	*
MW-16											
4Q13	443.39	10/1/2013	NE	41.43	NA	NA	NA	401.96	406.33 - 396.33 (37.06 - 47.06)	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	
2Q16		4/4/2016	NE	41.19	NA	NA	NA	402.20		0.0	
3Q16		7/6/2016	NE	39.94	NA	NA	NA	403.45		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											
4Q13	441.57	10/1/2013	NE	40.18	NA	NA	NA	401.39	407.28 - 392.28 (34.29 - 49.29)	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	
2Q16		4/4/2016	NE	39.67	NA	NA	NA	401.90		0.0	
3Q16		7/5/2016	NE	38.12	NA	NA	NA	403.45		0.0	
MW-18											
4Q13	442.04	10/1/2013	NE	40.85	NA	NA	NA	401.19	407.12 - 392.12 (34.92 - 49.92)	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	
2Q16		4/4/2016	NE	40.45	NA	NA	NA	401.59		0.0	
3Q16		7/5/2016	NE	38.65	NA	NA	NA	403.39		0.0	
MW-19											
4Q13	442.77	10/2/2013	NE	41.24	NA	NA	NA	401.53	406.43 - 391.43 (36.34 - 51.34)	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	
2Q16		4/4/2016	NE	40.43	NA	NA	NA	402.34		0.0	
3Q16		7/5/2016	NE	39.42	NA	NA	NA	403.35		0.0	
MW-20											
4Q13	443.67	10/1/2013	NE	41.77	NA	NA	NA	401.90	407.79 - 392.79 (35.88 - 50.88)	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	
2Q16		4/4/2016	NE	41.64	NA	NA	NA	402.03		0.0	
3Q16		7/5/2016	NE	40.46	NA	NA	NA	403.21		0.0	
MW-21											
4Q13	443.81	10/2/2013	NE	41.40	NA	NA	NA	402.41	408.80 - 393.80 (35.01 - 50.01)	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	
2Q16		4/4/2016	NE	41.61	NA	NA	NA	402.20		0.0	
3Q16		7/5/2016	NE	40.89	NA	NA	NA	402.92		0.0	
MW-22											
4Q13	442.16	10/1/2013	NE	40.23	NA	NA	NA	401.93	404.28 - 394.28 (37.88 - 47.88)	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	
2Q16		4/4/2016	NE	39.88	NA	NA	NA	402.28		0.0	
3Q16		7/6/2016	NE	38.56	NA	NA	NA	403.60		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	
2Q16		4/4/2016	NE	28.30	NA	NA	NA	403.11		0.0	*
3Q16		7/7/2016	NE	27.21	NA	NA	NA	404.20		0.7	*
MW-24											
4Q13	443.42	10/1/2013	NE	41.08	NA	NA	NA	402.34	404.53 - 394.53 (38.89 - 48.89)	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	
2Q16		4/4/2016	NE	40.74	NA	NA	NA	402.68		0.0	
3Q16		7/6/2016	NE	39.68	NA	NA	NA	403.74		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	
2Q16		4/4/2016	NE	35.78	NA	NA	NA	402.57		0.0	
3Q16		7/6/2016	NE	35.02	NA	NA	NA	403.33		32.5	*
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		NM	
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	
2Q16		4/4/2016	NE	38.56	NA	NA	NA	402.46		0.0	
3Q16		7/5/2016	NE	37.76	NA	NA	NA	403.26		0.4	*
MW-27											
1Q15	443.40	1/5/2015	NE	41.95	NA	NA	NA	401.45	403.61 - 393.61 (39.79 - 49.79)	NM	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	
2Q16		4/4/2016	NE	39.67	NA	NA	NA	403.73		0.0	*
3Q16		7/6/2016	NE	38.95	NA	NA	NA	404.45		9.2	*
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		NM	
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	
2Q16		4/4/2016	NE	39.18	NA	NA	NA	404.16		0.0	
3Q16		7/6/2016	NE	38.42	NA	NA	NA	404.92		0.0	
P-01											
4Q13	442.56	10/1/2013	NE	33.13	NA	NA	NA	409.43	380.61 - 375.61 (61.95 - 66.95)	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 at well - Unable to access
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	*
2Q16		4/4/2016	NE	30.93	NA	NA	NA	411.80		0.0	*
3Q16		7/7/2016	NM	NM	NA	NA	NA	NA		NM	Unsafe condition at well - Unable to access

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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-4U											
4Q13	442.50	10/1/2013	NE	34.72	NA	NA	NA	407.78	361.35 - 359.35 (81.15 - 83.15)	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	*
2Q16		4/6/2016	NM	NM	NA	NA	NA	NA		NM	
3Q16		7/5/2016	NE	32.12	NA	NA	NA	410.42		0.1	*
P-5L											
4Q13	443.79	10/1/2013	NE	34.35	NA	NA	NA	409.44	303.39 - 301.39 (140.40 - 142.40)	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	*
2Q16		4/4/2016	NE	32.34	NA	NA	NA	411.50		0.0	*
3Q16		7/5/2016	NE	33.37	NA	NA	NA	410.47		0.8	*
P-5U											
4Q13	444.15	10/1/2013	NE	35.88	NA	NA	NA	408.27	313.52 - 311.52 (130.63 - 132.63)	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	*
2Q16		4/4/2016	NE	33.78	NA	NA	NA	410.46		0.0	*
3Q16		7/5/2016	NE	32.08	NA	NA	NA	412.16		0.8	*
P-6U											
4Q13	443.35	10/1/2013	NE	35.31	NA	NA	NA	408.04	362.85 - 360.85 (80.50 - 82.50)	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	*
2Q16		4/4/2016	NE	33.17	NA	NA	NA	410.28		0.0	*
3Q16		7/5/2016	NE	31.58	NA	NA	NA	411.87		0.1	*
P-7U											
4Q13	443.80	10/1/2013	NE	35.54	NA	NA	NA	408.26	382.72 - 380.72 (61.08 - 63.08)	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	*
2Q16		4/4/2016	NE	33.38	NA	NA	NA	410.53		0.0	*
3Q16		7/7/2016	NE	32.86	NA	NA	NA	411.05		0.9	*
P-8U											
4Q13	441.87	10/1/2013	NE	35.70	NA	NA	NA	406.17	382.35 - 380.35 (59.52 - 61.52)	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	*
2Q16		4/5/2016	NE	33.41	NA	NA	NA	408.44		0.4	*
3Q16		7/5/2016	NE	33.18	NA	NA	NA	408.67		0.2	*

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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-9U											
4Q13	444.91	10/1/2013	NE	39.93	NA	NA	NA	404.98	344.32 - 342.32 (100.59 - 102.59)	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	*
2Q16		4/4/2016	NE	37.84	NA	NA	NA	407.20		0.0	*
3Q16		7/5/2016	NE	37.92	NA	NA	NA	407.12		0.2	*
P-11L											
4Q13	442.80	10/1/2013	NE	36.60	NA	NA	NA	406.20	332.59 - 330.59 (110.21 - 112.21)	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	*
2Q16		4/5/2016	NE	34.70	NA	NA	NA	407.85		0.6	*
3Q16		7/5/2016	NE	34.03	NA	NA	NA	408.52		0.2	*
P-11U											
4Q13	443.09	10/1/2013	NE	37.20	NA	NA	NA	405.89	343.17 - 341.17 (99.92 - 101.92)	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	*
2Q16		4/5/2016	NE	34.88	NA	NA	NA	408.29		1.9	*
3Q16		7/5/2016	NE	34.66	NA	NA	NA	408.51		0.2	*
P-14											
4Q13	442.65	10/1/2013	NE	33.18	NA	NA	NA	409.47	395.32 - 385.32 (47.33 - 57.33)	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 at well - Unable to access
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	*
2Q16		4/4/2016	NE	30.98	NA	NA	NA	411.76		0.0	*
3Q16		7/7/2016	NM	NM	NA	NA	NA	NA		NM	Unsafe condition at well - Unable to access
P-15											
4Q13	443.35	10/1/2013	NE	35.03	NA	NA	NA	408.32	397.90 - 387.90 (45.45 - 55.45)	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	*
2Q16		4/5/2016	NE	32.98	NA	NA	NA	410.71		0.0	*
3Q16		7/5/2016	NE	32.77	NA	NA	NA	410.92		0.1	*
P-16											
4Q13	442.31	10/1/2013	NE	33.96	NA	NA	NA	408.35	396.57 - 386.57 (45.74 - 55.74)	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	*
2Q16		4/4/2016	NE	31.78	NA	NA	NA	410.90		0.0	*
3Q16		7/5/2016	NE	32.71	NA	NA	NA	409.97		0.2	*

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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-43											
4Q13	444.07	10/1/2013	NE	37.73	NA	NA	NA	406.34	380.51 - 370.51 (63.56 - 73.56)	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	*
2Q16		4/5/2016	NE	35.73	NA	NA	NA	408.71		0.0	*
3Q16		7/5/2016	NE	35.52	NA	NA	NA	408.92		0.7	*
P-53											
4Q13	446.23	10/2/2013	NE	42.20	NA	NA	NA	404.03	407.73 - 382.73 (38.50 - 63.50)	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	
2Q16		4/6/2016	NE	41.41	NA	NA	NA	405.00		0.0	
3Q16		7/5/2016	NE	40.94	NA	NA	NA	405.47		0.0	
P-54											
4Q13	442.18	10/1/2013	NE	39.74	NA	NA	NA	402.44	404.18 - 379.18 (38.00 - 63.00)	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	
2Q16		4/4/2016	NE	39.43	NA	NA	NA	402.89		0.0	
3Q16		7/6/2016	NE	38.47	NA	NA	NA	403.85		0.0	
P-55R											
4Q13	443.78	10/2/2013	NE	41.58	NA	NA	NA	402.20	403.35 - 393.35 (40.43 - 50.43)	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	
2Q16		4/4/2016	40.09	40.15	403.64	403.70	0.06	403.69		147.9	*
3Q16		7/5/2016	39.93	40.13	403.66	403.86	0.20	403.82		78.0	*
P-56											
4Q13	446.02	10/2/2013	NE	44.29	NA	NA	NA	401.73	405.20 - 380.20 (40.82 - 65.82)	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	
2Q16		4/4/2016	NE	44.15	NA	NA	NA	401.99		0.0	
3Q16		7/5/2016	NE	43.03	NA	NA	NA	403.11		0.2	
P-57											
4Q13	446.53	10/2/2013	NE	44.12	NA	NA	NA	402.41	406.07 - 381.07 (40.46 - 65.46)	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	
2Q16		4/4/2016	NE	44.80	NA	NA	NA	402.16		0.4	
3Q16		7/5/2016	NE	44.20	NA	NA	NA	402.76		118.5	

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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-58											
4Q13	444.92	10/2/2013	NE	41.97	NA	NA	NA	402.95	404.70 - 379.70 (40.21 - 65.21)	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	
2Q16		4/4/2016	NE	42.75	NA	NA	NA	402.19		0.1	
3Q16		7/5/2016	NE	42.21	NA	NA	NA	402.73		0.1	
P-59											
4Q13	446.78	10/2/2013	NE	45.37	NA	NA	NA	401.41	398.87 - 373.87 (47.91 - 72.91)	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	*
2Q16		4/4/2016	NE	45.22	NA	NA	NA	401.64		249.4	*
3Q16		7/5/2016	NE	43.67	NA	NA	NA	403.19		239.0	*
P-60											
4Q13	446.57	10/2/2013	44.91	44.99	401.58	401.66	0.08	401.65	403.12 - 383.12 (43.45 - 63.45)	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	
2Q16		4/4/2016	44.45	44.50	402.19	402.24	0.05	402.23		6.8	
3Q16		7/5/2016	43.13	43.22	403.47	403.56	0.09	403.54		107.9	*
P-60-11											
4Q13	446.18	10/2/2013	NE	43.43	NA	NA	NA	402.75	413.03 - 383.03 (33.15 - 63.15)	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	
2Q16		4/4/2016	NE	43.08	NA	NA	NA	403.18		0.0	
3Q16		7/5/2016	NE	42.21	NA	NA	NA	404.05		1.4	
P-60-12											
4Q13	443.31	10/2/2013	NE	41.72	NA	NA	NA	401.59	383.31 - 373.31 (60.00 - 70.00)	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	*
2Q16		4/4/2016	NE	41.31	NA	NA	NA	402.12		9.9	*
3Q16		7/5/2016	NE	39.94	NA	NA	NA	403.49		36.2	*
P-60-12S											
4Q13	443.33	10/2/2013	NE	19.03	NA	NA	NA	424.30	429.49 - 419.49 (13.84 - 23.84)	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	
2Q16		4/4/2016	NE	NE	NA	NA	NA	NA		0.4	Well Dry
3Q16		7/5/2016	NE	NE	NA	NA	NA	NA		1.9	Well Dry

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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-60-13											
4Q13	442.43	10/2/2013	NE	39.98	NA	NA	NA	402.45	402.43 - 382.43 (40.00 - 60.00)	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	
2Q16		4/4/2016	NE	39.72	NA	NA	NA	403.20		0.2	*
3Q16		7/5/2016	NE	39.06	NA	NA	NA	403.86		0.2	*
P-60-13S											
4Q13	442.39	10/2/2013	NE	17.60	NA	NA	NA	424.79	432.39 - 422.39 (10.00 - 20.00)	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	
2Q16		4/4/2016	NE	17.72	NA	NA	NA	425.18		0.7	
3Q16		7/5/2016	NE	17.15	NA	NA	NA	425.75		0.2	
P-60-S											
4Q13	446.98	10/2/2013	43.56	44.49	402.49	403.42	0.93	403.23	410.50 - 395.50 (36.48 - 51.48)	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	
2Q16		4/4/2016	NE	43.78	NA	NA	NA	403.06		0.0	
3Q16		7/5/2016	NE	42.84	NA	NA	NA	404.00		0.1	
P-61											
4Q13	444.27	10/2/2013	43.08	43.14	401.13	401.19	0.06	401.18	398.59 - 373.59 (45.68 - 70.68)	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	*
2Q16		4/4/2016	42.77	42.82	401.65	401.70	0.05	401.69		40.4	*
3Q16		7/6/2016	NE	41.63	NA	NA	NA	402.84		27.3	*
P-62											
4Q13	442.32	10/2/2013	40.61	42.26	400.06	401.71	1.65	401.38	400.85 - 375.85 (41.47 - 66.47)	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	
2Q16		4/6/2016	NM	NM	NA	NA	NA	NA		NM	Unsafe condition at well - Unable to access
3Q16		7/6/2016	39.34	40.09	402.34	403.09	0.75	402.94		0.1	*
P-63											
4Q13	445.75	10/2/2013	44.98	45.01	400.74	400.77	0.03	400.76	398.46 - 373.46 (47.29 - 72.29)	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	*
2Q16		4/4/2016	43.83	43.86	401.99	402.02	0.03	402.01		12.1	*
3Q16		7/6/2016	NE	43.46	NA	NA	NA	402.39		5.3	*

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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-64											
4Q13	446.52	10/2/2013	46.25	46.31	400.21	400.27	0.06	400.26	399.29 - 374.29 (47.23 - 72.23)	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	*
2Q16		4/4/2016	44.96	45.00	401.89	401.93	0.04	401.92		55.5	*
3Q16		7/6/2016	44.78	44.86	402.03	402.11	0.08	402.09		13.4	*
P-65											
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
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	*
2Q16		4/4/2016	NE	42.26	NA	NA	NA	402.34		0.3	*
3Q16		7/7/2016	NE	42.05	NA	NA	NA	402.55		NM	*
P-66											
4Q13	436.70	10/2/2013	NE	33.44	NA	NA	NA	403.26	401.98 - 376.98 (34.72 - 59.72)	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	*
2Q16		4/5/2016	NE	34.34	NA	NA	NA	402.47		10.3	*
3Q16		7/8/2016	NE	33.74	NA	NA	NA	403.07		76.2	*
P-67											
4Q13	444.13	10/2/2013	39.78	39.80	404.33	404.35	0.02	404.35	402.16 - 377.16 (41.98 - 66.98)	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	*
2Q16		4/5/2016	NE	40.41	NA	NA	NA	403.69		42.1	*
3Q16		7/8/2016	NE	39.83	NA	NA	NA	404.27		9.9	*
P-68											
4Q13	445.07	10/2/2013	43.42	43.52	401.55	401.65	0.10	401.63	399.81 - 374.81 (45.26 - 70.26)	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	*
2Q16		4/4/2016	43.15	43.23	401.95	402.03	0.08	402.01		196.7	*
3Q16		7/5/2016	40.80	41.86	403.32	404.38	1.06	404.17		196.9	*
P-69											
4Q13	443.18	10/2/2013	NE	42.17	NA	NA	NA	401.01	402.36 - 377.36 (40.82 - 65.82)	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 at well - Unable to access
2Q16		4/4/2016	NE	41.84	NA	NA	NA	401.56		0.8	
3Q16		7/6/2016	NE	40.31	NA	NA	NA	403.09		237.9	*

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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-70											
4Q13	442.83	10/2/2013	NE	41.52	NA	NA	NA	401.31	398.16 - 373.16 (44.67 - 69.67)	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	*
2Q16		4/4/2016	41.07	41.11	401.84	401.88	0.04	401.87		212.8	*
3Q16		7/6/2016	NE	39.92	NA	NA	NA	403.03		388.8	*
P-71											
4Q13	444.83	10/2/2013	NE	42.53	NA	NA	NA	402.30	402.22 - 377.22 (42.61 - 67.61)	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 result 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	
2Q16		4/4/2016	NE	42.27	NA	NA	NA	402.67		19.4	*
3Q16		7/7/2016	NE	41.75	NA	NA	NA	403.19		74.9	*
P-72											
4Q13	444.43	10/2/2013	NE	41.88	NA	NA	NA	402.55	398.66 - 373.66 (45.77 - 70.77)	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	*
2Q16		4/4/2016	NE	41.82	NA	NA	NA	402.67		1.8	*
3Q16		7/6/2016	NE	41.55	NA	NA	NA	402.94		0.4	*
P-73											
4Q13	443.76	10/2/2013	NE	41.68	NA	NA	NA	402.08	402.16 - 377.16 (41.59 - 66.59)	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	
2Q16		4/4/2016	NE	42.44	NA	NA	NA	401.42		0.0	
3Q16		7/7/2016	NE	41.83	NA	NA	NA	402.03		NM	
P-74											
4Q13	442.63	10/2/2013	NE	41.49	NA	NA	NA	401.14	398.20 - 373.20 (44.43 - 69.43)	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 result 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	*
2Q16		4/4/2016	NE	41.16	NA	NA	NA	401.56		0.3	*
3Q16		7/6/2016	NE	39.63	NA	NA	NA	403.09		0.0	*
P-75											
4Q13	446.32	10/2/2013	NE	42.92	NA	NA	NA	403.40	403.19 - 378.19 (43.13 - 68.13)	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	
2Q16		4/5/2016	NE	44.33	NA	NA	NA	402.09		0.2	
3Q16		7/8/2016	NE	43.81	NA	NA	NA	402.61		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-82A											
4Q13	434.69	10/2/2013	NE	28.20	NA	NA	NA	406.49	401.48 - 386.48 (33.21 - 48.21)	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	*
2Q16		4/5/2016	NE	27.66	NA	NA	NA	407.36		0.0	*
3Q16		7/7/2016	NE	26.72	NA	NA	NA	408.30		0.0	*
P-82B											
4Q13	434.44	10/2/2013	NE	27.94	NA	NA	NA	406.50	370.84 - 368.84 (63.60 - 65.60)	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	*
2Q16		4/5/2016	NE	27.39	NA	NA	NA	407.09		0.2	*
3Q16		7/7/2016	NE	26.49	NA	NA	NA	407.99		0.0	*
P-82C											
4Q13	434.16	10/2/2013	NE	27.95	NA	NA	NA	406.21	351.39 - 349.39 (82.77 - 84.77)	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	*
2Q16		4/5/2016	NE	27.47	NA	NA	NA	406.74		0.0	*
3Q16		7/7/2016	NE	26.26	NA	NA	NA	407.95		0.0	*
P-82D											
4Q13	434.85	10/2/2013	NE	28.74	NA	NA	NA	406.11	323.43 - 321.43 (111.42 - 113.42)	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	*
2Q16		4/5/2016	NE	27.72	NA	NA	NA	407.17		0.0	*
3Q16		7/7/2016	NE	26.98	NA	NA	NA	407.91		0.0	*
P-83A											
4Q13	445.23	10/1/2013	NE	43.55	NA	NA	NA	401.68	398.58 - 383.58 (46.65 - 61.65)	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	*
2Q16		4/4/2016	NE	41.74	NA	NA	NA	403.62		0.0	*
3Q16		7/7/2016	NE	41.34	NA	NA	NA	404.02		1.3	*
P-83B											
4Q13	445.47	10/1/2013	NE	43.80	NA	NA	NA	401.67	375.82 - 373.82 (69.65 - 71.65)	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	*
2Q16		4/4/2016	NE	42.03	NA	NA	NA	403.52		0.0	*
3Q16		7/7/2016	NE	41.76	NA	NA	NA	403.79		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-83C											
4Q13	445.64	10/1/2013	NE	44.27	NA	NA	NA	401.37	353.25 - 351.25 (92.39 - 94.39)	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	*
2Q16		4/4/2016	NE	42.50	NA	NA	NA	403.28		0.2	*
3Q16		7/7/2016	NE	47.76	NA	NA	NA	398.02		0.0	*
P-83D											
4Q13	445.55	10/1/2013	NE	44.21	NA	NA	NA	401.34	311.84 - 309.84 (133.71 - 135.71)	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	*
2Q16		4/4/2016	NE	42.43	NA	NA	NA	403.27		0.0	*
3Q16		7/7/2016	NE	41.72	NA	NA	NA	403.98		0.0	*
P-84A											
4Q13	446.39	10/4/2013	NE	43.56	NA	NA	NA	402.83	397.89 - 382.89 (48.50 - 63.50)	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	*
2Q16		4/5/2016	NE	42.37	NA	NA	NA	404.12		0.0	*
3Q16		7/6/2016	NE	41.86	NA	NA	NA	404.63		0.0	*
P-84B											
4Q13	446.10	10/4/2013	NE	43.30	NA	NA	NA	402.80	372.60 - 370.60 (73.50 - 75.50)	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	*
2Q16		4/5/2016	NE	42.33	NA	NA	NA	403.88		0.0	*
3Q16		7/6/2016	NE	41.62	NA	NA	NA	404.59		0.0	*
P-84C											
4Q13	446.13	10/4/2013	NE	43.62	NA	NA	NA	402.51	352.08 - 350.08 (94.05 - 96.05)	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	*
2Q16		4/5/2016	NE	42.28	NA	NA	NA	403.94		0.0	*
3Q16		7/6/2016	NE	41.61	NA	NA	NA	404.61		0.0	*
P-84D											
4Q13	446.14	10/4/2013	NE	43.62	NA	NA	NA	402.52	324.99 - 322.99 (121.15 - 123.15)	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	*
2Q16		4/5/2016	NE	42.26	NA	NA	NA	403.98		0.0	*
3Q16		7/6/2016	NE	41.63	NA	NA	NA	404.61		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-88A											
4Q13	443.12	10/2/2013	NE	34.33	NA	NA	NA	408.79	404.72 - 389.72 (38.40 - 53.40)	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	*
2Q16		4/5/2016	NE	33.21	NA	NA	NA	409.88		0.2	*
3Q16		7/7/2016	NE	32.80	NA	NA	NA	410.29		0.0	*
P-88B											
4Q13	443.17	10/2/2013	NE	34.33	NA	NA	NA	408.84	371.17 - 369.17 (72.00 - 74.00)	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	*
2Q16		4/5/2016	NE	33.43	NA	NA	NA	409.73		0.3	*
3Q16		7/7/2016	NE	32.92	NA	NA	NA	410.24		0.0	*
P-88C											
4Q13	443.16	10/2/2013	NE	34.61	NA	NA	NA	408.55	350.86 - 348.86 (92.30 - 94.30)	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	*
2Q16		4/5/2016	NE	33.20	NA	NA	NA	409.93		0.2	*
3Q16		7/7/2016	NE	32.87	NA	NA	NA	410.26		0.0	*
P-88D											
4Q13	443.23	10/2/2013	NE	34.72	NA	NA	NA	408.51	329.53 - 327.53 (113.70 - 115.70)	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	*
2Q16		4/5/2016	NE	33.82	NA	NA	NA	409.38		0.0	*
3Q16		7/7/2016	NE	32.98	NA	NA	NA	410.22		0.0	*
P-89B											
4Q13	447.35	10/1/2013	NE	42.67	NA	NA	NA	404.68	369.99 - 367.99 (77.36 - 79.36)	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	*
2Q16		4/4/2016	NE	40.69	NA	NA	NA	406.75		0.0	*
3Q16		7/5/2016	NE	40.72	NA	NA	NA	406.72		0.1	*
P-89C											
4Q13	447.68	10/1/2013	NE	43.02	NA	NA	NA	404.66	350.05 - 348.05 (97.63 - 99.63)	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	*
2Q16		4/4/2016	NE	41.04	NA	NA	NA	406.72		0.0	*
3Q16		7/5/2016	NE	41.05	NA	NA	NA	406.71		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-89D											
4Q13	447.54	10/1/2013	NE	43.01	NA	NA	NA	404.53	307.20 - 305.20 (140.34 - 142.34)	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	*
2Q16		4/4/2016	NE	40.94	NA	NA	NA	406.69		0.1	*
3Q16		7/5/2016	NE	41.08	NA	NA	NA	406.55		0.1	*
P-91A											
4Q13	447.19	10/2/2013	NE	47.88	NA	NA	NA	399.31	395.68 - 380.68 (51.51 - 66.51)	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	*
2Q16		4/4/2016	46.49	46.53	400.71	400.75	0.04	400.74		4.1	*
3Q16		7/7/2016	NE	46.42	NA	NA	NA	400.82		13.1	*
P-91B											
4Q13	447.26	10/2/2013	NE	48.04	NA	NA	NA	399.22	372.57 - 370.57 (74.69 - 76.69)	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	*
2Q16		4/4/2016	NE	46.67	NA	NA	NA	400.61		1.2	*
3Q16		7/7/2016	NE	46.56	NA	NA	NA	400.72		0.2	*
P-91C											
4Q13	447.02	10/2/2013	NE	47.77	NA	NA	NA	399.25	352.29 - 350.29 (94.73 - 96.73)	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	*
2Q16		4/4/2016	NE	46.39	NA	NA	NA	400.68		0.7	*
3Q16		7/7/2016	NE	46.32	NA	NA	NA	400.75		0.0	*
P-91D											
4Q13	447.02	10/2/2013	NE	47.76	NA	NA	NA	399.26	278.70 - 276.70 (168.32 - 170.32)	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	*
2Q16		4/4/2016	NE	44.01	NA	NA	NA	403.05		2.0	*
3Q16		7/7/2016	NE	46.31	NA	NA	NA	400.75		0.0	*
P-92A											
4Q13	446.12	10/2/2013	45.36	45.42	400.70	400.76	0.06	400.75	398.55 - 383.55 (47.57 - 62.57)	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	*
2Q16		4/4/2016	44.17	44.21	402.03	402.07	0.04	402.06		72.9	*
3Q16		7/6/2016	NE	44.12	NA	NA	NA	402.12		16.0	*

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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-92B											
4Q13	446.07	10/2/2013	NE	45.31	NA	NA	NA	400.76	372.42 - 370.42 (73.65 - 75.65)	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	*
2Q16		4/4/2016	NE	44.17	NA	NA	NA	402.01		0.3	*
3Q16		7/6/2016	NE	44.10	NA	NA	NA	402.08		0.1	*
P-92C											
4Q13	445.98	10/2/2013	NE	45.33	NA	NA	NA	400.65	352.54 - 350.54 (93.44 - 95.44)	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	*
2Q16		4/4/2016	NE	44.15	NA	NA	NA	402.02		2.1	*
3Q16		7/6/2016	NE	44.10	NA	NA	NA	402.07		11.3	*
P-92D											
4Q13	445.90	10/2/2013	NE	45.21	NA	NA	NA	400.69	304.90 - 302.90 (141.00 - 143.00)	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	*
2Q16		4/4/2016	NE	44.01	NA	NA	NA	401.99		0.3	*
3Q16		7/6/2016	NE	43.99	NA	NA	NA	402.01		0.3	*
P-93A											
4Q13	446.58	10/2/2013	NE	44.00	NA	NA	NA	402.58	398.41 - 383.41 (48.17 - 63.17)	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	
2Q16		4/4/2016	NE	43.08	NA	NA	NA	402.04		1.0	
3Q16		7/5/2016	NE	42.42	NA	NA	NA	402.70		3.7	*
P-93B											
4Q13	446.46	10/2/2013	NE	44.09	NA	NA	NA	402.37	371.86 - 369.86 (74.60 - 76.60)	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	*
2Q16		4/4/2016	NE	44.54	NA	NA	NA	401.98		2.3	*
3Q16		7/5/2016	NE	43.75	NA	NA	NA	402.77		0.5	*
P-93C											
4Q13	446.51	10/2/2013	NE	43.94	NA	NA	NA	402.57	352.26 - 350.26 (94.26 - 96.26)	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	*
2Q16		4/4/2016	NE	44.20	NA	NA	NA	402.08		0.2	*
3Q16		7/5/2016	NE	43.57	NA	NA	NA	402.71		0.6	*

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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											
4Q13	446.89	10/2/2013	NE	44.06	NA	NA	NA	402.83	321.14 - 319.14 (125.75 - 127.75)	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	*
2Q16		4/4/2016	NE	44.61	NA	NA	NA	402.12		0.0	*
3Q16		7/5/2016	NE	43.97	NA	NA	NA	402.76		1.1	*
P-94											
4Q13	444.65	10/1/2013	NE	39.17	NA	NA	NA	405.48	398.80 - 383.80 (45.85 - 60.85)	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	*
2Q16		4/4/2016	NE	37.14	NA	NA	NA	408.00		0.0	*
3Q16		7/6/2016	NE	37.06	NA	NA	NA	408.08		1.1	*
P-95											
4Q13	443.44	10/2/2013	NE	32.59	NA	NA	NA	410.85	406.92 - 391.92 (36.52 - 51.52)	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	*
2Q16		4/5/2016	NE	31.37	NA	NA	NA	412.05		0.0	*
3Q16		7/7/2016	NE	30.95	NA	NA	NA	412.47		0.0	*
P-102											
4Q13	444.91	10/2/2013	NE	36.24	NA	NA	NA	408.67	402.16 - 382.16 (42.75 - 62.75)	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	*
2Q16		4/5/2016	NE	34.74	NA	NA	NA	410.23		3.6	*
3Q16		7/8/2016	NE	34.54	NA	NA	NA	410.43		17.8	*
P-114R (P-114)											
4Q13	432.40	10/2/2013	NE	29.03	NA	NA	NA	403.38	399.73 - 379.73 (32.67 - 52.67)	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	10/2/2015	NE	28.15	NA	NA	NA	401.11	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	
2Q16		4/5/2016	NE	25.64	NA	NA	NA	403.62		28.1	
3Q16		7/8/2016	NE	24.95	NA	NA	NA	404.31		0.0	
P-115											
4Q13	433.31	10/2/2013	NE	29.99	NA	NA	NA	403.32	401.01 - 381.01 (32.30 - 52.30)	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	*
2Q16		4/5/2016	NE	29.64	NA	NA	NA	403.72		0.0	*
3Q16		7/8/2016	NE	28.87	NA	NA	NA	404.49		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											
4Q13	436.45	10/2/2013	NE	33.43	NA	NA	NA	403.02	399.01 - 379.01 (37.44 - 57.44)	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	*
2Q16		4/5/2016	NE	33.01	NA	NA	NA	403.62		0.0	*
3Q16		7/8/2016	NE	32.23	NA	NA	NA	404.40		0.0	*
P-117											
4Q13	432.67	10/2/2013	NE	29.63	NA	NA	NA	403.04	399.74 - 379.74 (32.93 - 52.93)	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	*
2Q16		4/5/2016	NE	29.18	NA	NA	NA	403.53		0.0	*
3Q16		7/8/2016	NE	28.39	NA	NA	NA	404.32		0.0	*
P-118											
4Q13	431.32	10/2/2013	NE	28.82	NA	NA	NA	402.50	400.20 - 384.27 (31.12 - 47.05)	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	*
2Q16		4/5/2016	NE	28.17	NA	NA	NA	403.14		0.0	*
3Q16		7/8/2016	NE	27.12	NA	NA	NA	404.19		0.7	*
P-119											
4Q13	431.92	10/2/2013	NE	28.09	NA	NA	NA	403.83	401.25 - 385.32 (30.67 - 46.60)	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	*
2Q16		4/5/2016	NE	28.28	NA	NA	NA	403.62		0.0	*
3Q16		7/8/2016	NE	27.61	NA	NA	NA	404.29		0.0	*
P-120											
4Q13	432.78	10/2/2013	NE	28.43	NA	NA	NA	404.35	401.40 - 385.47 (31.38 - 47.31)	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	*
2Q16		4/5/2016	NE	28.30	NA	NA	NA	404.52		0.0	*
3Q16		7/8/2016	NE	27.59	NA	NA	NA	405.23		0.0	*
P-129											
4Q13	432.46	10/2/2013	NE	31.35	NA	NA	NA	401.11	400.49 - 384.56 (31.97 - 47.90)	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	*
2Q16		4/5/2016	NE	30.18	NA	NA	NA	402.25		0.0	*
3Q16		7/8/2016	NE	28.77	NA	NA	NA	403.66		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-3-MW											
4Q13	442.29	10/1/2013	NE	39.98	NA	NA	NA	402.31	404.48 - 394.48 (37.81 - 47.81)	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	
2Q16		4/4/2016	NE	39.64	NA	NA	NA	402.65		0.0	
3Q16		7/6/2016	NE	38.51	NA	NA	NA	403.78		191.0	
ROST-4-PZ											
4Q13	442.13	10/1/2013	NE	38.88	NA	NA	NA	403.25	407.20 - 397.20 (34.93 - 44.93)	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	
2Q16		4/4/2016	NE	38.75	NA	NA	NA	403.38		0.0	
3Q16		7/5/2016	NE	37.98	NA	NA	NA	404.15		0.1	
ROST-4-PZ(A)											
4Q13	442.11	10/1/2013	NE	38.76	NA	NA	NA	403.35	407.34 - 397.34 (34.77 - 44.77)	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	
2Q16		4/4/2016	NE	38.18	NA	NA	NA	403.93		8.6	
3Q16		7/5/2016	NE	36.89	NA	NA	NA	405.22		0.0	
ROST-4-PZ(B)											
4Q13	442.38	10/1/2013	NE	38.58	NA	NA	NA	403.80	407.33 - 397.33 (35.05 - 45.05)	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	
2Q16		4/4/2016	NE	38.54	NA	NA	NA	403.84		0.7	
3Q16		7/5/2016	NE	37.89	NA	NA	NA	404.49		0.0	
ROST-4-PZ(C)											
4Q13	442.66	10/1/2013	NE	39.77	NA	NA	NA	402.89	407.71 - 397.71 (34.95 - 44.95)	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	
2Q16		4/4/2016	NE	39.73	NA	NA	NA	402.93		0.0	
3Q16		7/6/2016	NE	38.77	NA	NA	NA	403.89		0.0	
ROST-4-PZ(D)											
4Q13	442.98	10/1/2013	NE	39.63	NA	NA	NA	403.35	408.01 - 398.01 (34.97 - 44.97)	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	
2Q16		4/4/2016	NE	39.60	NA	NA	NA	403.38		0.0	
3Q16		7/6/2016	NE	38.67	NA	NA	NA	404.31		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(E)											
4Q13	441.96	10/1/2013	NE	38.70	NA	NA	NA	403.26	407.21 - 397.21 (34.75 - 44.75)	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	
2Q16		4/4/2016	NE	38.63	NA	NA	NA	403.33		0.0	
3Q16		7/5/2016	NE	37.86	NA	NA	NA	404.10		0.1	
ROST-4-PZ(F)											
4Q13	442.12	10/1/2013	NE	38.83	NA	NA	NA	403.29	407.59 - 397.59 (34.53 - 44.53)	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	
2Q16		4/4/2016	NE	38.75	NA	NA	NA	403.37		0.0	
3Q16		7/5/2016	NE	38.10	NA	NA	NA	404.02		0.0	
ROST-4-PZ(G)											
4Q13	442.13	10/1/2013	NE	40.22	NA	NA	NA	401.91	407.85 - 397.85 (34.28 - 44.28)	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	
2Q16		4/4/2016	NE	39.81	NA	NA	NA	402.32		0.0	
3Q16		7/6/2016	NE	38.34	NA	NA	NA	403.79		0.0	
ROST-5-PZ											
4Q13	442.22	10/1/2013	NE	NE	NA	NA	NA	NA	429.02 - 419.02 (13.20 - 23.20)	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
2Q16		4/4/2016	NE	NE	NA	NA	NA	NA		0.0	Well Dry
3Q16		7/6/2016	NE	NE	NA	NA	NA	NA		0.0	Well Dry
ROST-7-PZ											
4Q13	442.19	10/1/2013	NE	22.41	NA	NA	NA	419.78	422.19 - 412.19 (20.00 - 30.00)	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	
2Q16		4/4/2016	NE	22.00	NA	NA	NA	420.19		0.0	
3Q16		7/6/2016	NE	21.80	NA	NA	NA	420.39		0.0	
ROST-10-PZ											
4Q13	444.51	10/1/2013	NE	NE	NA	NA	NA	NA	434.51 - 424.51 (10.00 - 20.00)	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
2Q16		4/4/2016	NE	NE	NA	NA	NA	NA		0.0	Well Dry
3Q16		7/6/2016	NE	NE	NA	NA	NA	NA		0.0	Well Dry

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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-21-PZ											
4Q13	443.72	10/1/2013	NE	19.38	NA	NA	NA	424.34	433.72 - 423.72 (10.00 - 20.00)	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	
2Q16		4/4/2016	NE	19.53	NA	NA	NA	424.19		0.0	
3Q16		7/6/2016	NE	19.40	NA	NA	NA	424.32		0.0	
S-1											
4Q13	443.79	10/2/2013	NE	41.99	NA	NA	NA	401.80	Unknown	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	
2Q16		4/4/2016	41.66	41.98	401.92	402.24	0.32	402.18		156.2	
3Q16		7/6/2016	NE	39.12	NA	NA	NA	404.78		61.6	
T-1											
4Q13	445.40	10/1/2013	NE	42.61	NA	NA	NA	402.79	398.40 - 388.40 (47.00 - 57.00)	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	*
2Q16		4/4/2016	NE	42.04	NA	NA	NA	403.36		0.0	*
3Q16		7/7/2016	NE	NM	NA	NA	NA	NA		NM	Unsafe condition at well - Unable to access
T-2											
4Q13	443.12	10/1/2013	NE	41.34	NA	NA	NA	401.78	392.63 - 372.48 (50.49 - 70.64)	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	*
2Q16		4/4/2016	NE	40.28	NA	NA	NA	402.93		3.5	*
3Q16		7/5/2016	NE	39.67	NA	NA	NA	403.54		0.1	*
T-3											
4Q13	450.91	10/1/2013	NE	50.78	NA	NA	NA	400.13	403.65 - 388.65 (47.26 - 62.26)	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	
2Q16		4/4/2016	NE	47.07	NA	NA	NA	401.96		0.8	
3Q16		7/5/2016	NE	46.89	NA	NA	NA	402.14		0.2	

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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											
4Q13	447.95	10/1/2013	NE	47.84	NA	NA	NA	400.11	398.24 - 383.24 (49.71 - 64.71)	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	*
2Q16		4/4/2016	NE	44.77	NA	NA	NA	401.86		0.1	*
3Q16		7/7/2016	NE	45.04	NA	NA	NA	401.59		0.0	*
T-5											
4Q13	443.46	10/1/2013	NE	41.14	NA	NA	NA	402.32	395.13 - 378.58 (48.33 - 64.88)	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	*
2Q16		4/4/2016	NE	40.47	NA	NA	NA	403.00		0.3	*
3Q16		7/6/2016	NE	40.30	NA	NA	NA	403.17		4.3	*
T-6											
4Q13	446.55	10/1/2013	NE	44.28	NA	NA	NA	402.27	394.79 - 380.54 (51.76 - 66.01)	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	*
2Q16		4/4/2016	NE	44.43	NA	NA	NA	402.18		0.3	*
3Q16		7/5/2016	NE	43.81	NA	NA	NA	402.80		0.3	*
T-7											
4Q13	444.01	10/2/2013	NE	39.72	NA	NA	NA	404.29	395.29 - 380.29 (48.72 - 63.72)	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	*
2Q16		4/5/2016	NE	40.38	NA	NA	NA	403.66		3.4	*
3Q16		7/8/2016	NE	39.84	NA	NA	NA	404.20		1.1	*
T-12											
4Q13	444.69	10/1/2013	NE	43.64	NA	NA	NA	401.05	397.97 - 371.97 (46.72 - 72.72)	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	*
2Q16		4/4/2016	NE	43.10	NA	NA	NA	401.70		0.7	*
3Q16		7/5/2016	NE	41.39	NA	NA	NA	403.41		16.1	*

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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-13											
4Q13	443.46	10/3/2013	NE	40.72	NA	NA	NA	402.74	396.46 - 370.46 (47.00 - 73.00)	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	*
2Q16		4/4/2016	NE	40.04	NA	NA	NA	403.92		0.0	*
3Q16		7/5/2016	NE	39.25	NA	NA	NA	404.71		0.2	*
T-15											
4Q13	445.03	10/1/2013	NE	43.48	NA	NA	NA	401.55	396.99 - 370.99 (48.04 - 74.04)	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	*
2Q16		4/4/2016	NE	42.13	NA	NA	NA	403.01		0.7	*
3Q16		7/5/2016	NE	41.64	NA	NA	NA	403.50		2.1	*
T-17											
4Q13	445.90	10/1/2013	NE	42.46	NA	NA	NA	403.44	401.80 - 375.80 (44.10 - 70.10)	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	*
2Q16		4/4/2016	NE	40.37	NA	NA	NA	405.64		0.0	*
3Q16		7/5/2016	NE	40.41	NA	NA	NA	405.60		0.2	*
T-19											
4Q13	446.71	10/1/2013	NE	46.40	NA	NA	NA	400.31	395.94 - 369.94 (50.77 - 76.77)	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	*
2Q16		4/4/2016	NE	44.80	NA	NA	NA	401.99		3.1	*
3Q16		7/7/2016	NE	45.11	NA	NA	NA	401.68		16.3	*
T-21											
4Q13	444.00	10/2/2013	NE	32.82	NA	NA	NA	411.18	412.04 - 386.04 (31.96 - 57.96)	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	
2Q16		4/5/2016	NE	31.70	NA	NA	NA	412.29		0.0	*
3Q16		7/7/2016	NE	31.08	NA	NA	NA	412.91		0.0	*
T-22											
4Q13	442.21	10/2/2013	NE	33.85	NA	NA	NA	408.36	410.66 - 384.96 (31.55 - 57.25)	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	
2Q16		4/5/2016	NE	33.11	NA	NA	NA	409.08		0.0	
3Q16		7/7/2016	NE	32.47	NA	NA	NA	409.72		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-23											
4Q13	432.64	10/2/2013	NE	26.40	NA	NA	NA	406.24	405.41 - 379.41 (27.23 - 53.23)	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	*
2Q16		4/5/2016	NE	26.00	NA	NA	NA	406.69		0.0	*
3Q16		7/7/2016	NE	25.07	NA	NA	NA	407.62		0.0	*
T-24											
4Q13	443.72	10/2/2013	42.20	42.22	401.50	401.52	0.02	401.51	402.22 - 376.57 (41.50 - 67.15)	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 at well - Unable to access
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	
2Q16		4/5/2016	41.61	42.16	401.65	402.20	0.55	402.09		2.6	
3Q16		7/6/2016	NE	40.54	NA	NA	NA	403.27		0.1	*
T-28											
4Q13	444.22	10/1/2013	NE	39.17	NA	NA	NA	405.05	Unknown	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 at well - Unable to access
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	
2Q16		4/4/2016	NE	40.39	NA	NA	NA	404.04		0.0	
3Q16		7/7/2016	NE	40.35	NA	NA	NA	404.08		0.0	
T-37											
4Q13	447.15	10/1/2013	NE	42.51	NA	NA	NA	404.64	398.30 - 378.30 (48.85 - 68.85)	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	*
2Q16		4/4/2016	NE	40.54	NA	NA	NA	406.71		0.1	*
3Q16		7/5/2016	NE	40.55	NA	NA	NA	406.70		0.1	*
T-38											
4Q13	445.62	10/1/2013	NM	NM	NA	NA	NA	NA	396.48 - 376.48 (49.14 - 69.14)	NM	Unsafe condition at well - Unable to access
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	*
2Q16		4/4/2016	NE	37.67	NA	NA	NA	408.00		0.0	*
3Q16		7/5/2016	NE	37.57	NA	NA	NA	408.10		0.1	*
T-62											
4Q13	431.73	10/2/2013	NE	27.81	NA	NA	NA	403.92	412.02 - 382.02 (19.71 - 49.71)	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	
2Q16		4/5/2016	NE	27.74	NA	NA	NA	404.25		0.1	
3Q16		7/8/2016	NE	27.04	NA	NA	NA	404.95		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-63											
4Q13	431.24	10/2/2013	NE	27.63	NA	NA	NA	403.61	411.26 - 381.26 (19.98 - 49.98)	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 at well - Unable to access
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 at well - Unable to access
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	
2Q16		4/5/2016	NE	27.33	NA	NA	NA	404.10		0.0	
3Q16		7/8/2016	NE	26.55	NA	NA	NA	404.88		0.0	
T-64											
4Q13	428.80	10/2/2013	NE	25.86	NA	NA	NA	402.94	408.99 - 378.99 (19.81 - 49.81)	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		0.0	Unsafe condition at well - Unable to access
2Q16		4/5/2016	NE	25.26	NA	NA	NA	403.67		0.0	
3Q16		7/8/2016	NE	24.24	NA	NA	NA	404.69		0.0	

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) btoc = Below Top of Casing; ppm = parts per million; 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
3Q16 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	8/2/2016	NE	39.54	NA	NA	NA	403.11	393.85 - 383.85 (48.80 - 58.80)	0.8	*
		9/7/2016	NE	39.17	NA	NA	NA	403.48		0.1	*
MW-02											
Monthly	443.77	8/2/2016	NE	40.94	NA	NA	NA	402.83	393.90 - 383.90 (49.87 - 59.87)	157.0	*
		9/7/2016	NE	40.56	NA	NA	NA	403.21		207.5	*
MW-03											
Monthly	430.08	8/2/2016	NE	26.54	NA	NA	NA	403.54	395.41 - 385.41 (34.67 - 44.67)	0.0	*
		9/7/2016	NE	26.09	NA	NA	NA	403.99		0.0	*
MW-04											
Monthly	441.14	8/2/2016	NE	37.89	NA	NA	NA	403.25	396.08 - 386.08 (45.06 - 55.06)	33.3	*
		9/7/2016	NE	37.54	NA	NA	NA	403.60		46.9	*
MW-05											
Monthly	429.80	8/2/2016	NE	26.21	NA	NA	NA	403.59	395.83 - 385.83 (33.97 - 43.97)	0.0	*
		9/7/2016	NE	25.79	NA	NA	NA	404.01		0.2	*
MW-06A											
Monthly	432.14	8/2/2016	NE	28.36	NA	NA	NA	403.78	397.31 - 387.31 (34.83 - 44.83)	0.0	*
		9/7/2016	NE	27.90	NA	NA	NA	404.24		0.0	*
MW-06B											
Monthly	432.29	8/2/2016	NE	28.29	NA	NA	NA	404.00	368.24 - 363.24 (64.05 - 69.05)	0.2	*
		9/7/2016	NE	27.95	NA	NA	NA	404.34		0.0	*
MW-06C											
Monthly	432.11	8/2/2016	NE	28.03	NA	NA	NA	404.08	347.16 - 342.16 (84.95 - 89.95)	0.0	*
		9/7/2016	NE	27.75	NA	NA	NA	404.36		1.8	*
MW-06D											
Monthly	431.99	8/2/2016	NE	27.93	NA	NA	NA	404.06	327.27 - 322.27 (104.72 - 109.72)	0.3	*
		9/7/2016	NE	27.59	NA	NA	NA	404.40		16.3	*
MW-07											
Monthly	443.10	8/2/2016	NE	38.98	NA	NA	NA	404.12	400.18 - 390.18 (42.92 - 52.92)	5000.0	*
		9/7/2016	NE	39.62	NA	NA	NA	403.48		2027.0	*
MW-08											
Monthly	434.11	8/2/2016	NE	30.74	NA	NA	NA	403.37	400.51 - 390.51 (33.60 - 43.60)	114.0	*
		9/7/2016	NE	30.36	NA	NA	NA	403.75		1157.0	*
MW-09											
Monthly	445.20	8/2/2016	NE	41.22	NA	NA	NA	403.98	398.75 - 388.75 (46.45 - 56.45)	0.0	*
		9/6/2016	NE	40.75	NA	NA	NA	404.45		0.6	*
MW-10											
Monthly	445.03	8/2/2016	NE	41.19	NA	NA	NA	403.84	400.60 - 390.60 (44.43 - 54.43)	0.0	*
		9/6/2016	NE	40.83	NA	NA	NA	404.20		0.4	*
MW-11											
Monthly	442.33	8/2/2016	NE	38.80	NA	NA	NA	403.53	400.67 - 390.67 (41.66 - 51.66)	0.0	*
		9/7/2016	NE	38.44	NA	NA	NA	403.89		0.0	*
MW-12											
Monthly	442.60	8/2/2016	NE	39.22	NA	NA	NA	403.38	400.68 - 390.68 (41.92 - 51.92)	0.7	*
		9/7/2016	NE	38.83	NA	NA	NA	403.77		0.1	*
MW-14											
Monthly	434.44	8/5/2016	NE	30.30	NA	NA	NA	404.14	401.02 - 391.02 (33.42 - 43.42)	53.9	*
		9/6/2016	NE	30.03	NA	NA	NA	404.41		52.8	*
MW-16											
Monthly	443.39	8/2/2016	NE	40.52	NA	NA	NA	402.87	406.33 - 396.33 (37.06 - 47.06)	0.0	
		9/8/2016	NE	40.15	NA	NA	NA	403.24		0.0	
MW-17											
Monthly	441.57	8/2/2016	NE	38.97	NA	NA	NA	402.60	407.28 - 392.28 (34.29 - 49.29)	0.0	
		9/7/2016	NE	38.46	NA	NA	NA	403.11		0.0	
MW-18											
Monthly	442.04	8/2/2016	NE	39.68	NA	NA	NA	402.36	407.12 - 392.12 (34.92 - 49.92)	0.0	
		9/7/2016	NE	39.34	NA	NA	NA	402.70		0.0	
MW-19											
Weekly	442.77	7/12/2016	NE	39.37	NA	NA	NA	403.40	406.43 - 391.43 (36.34 - 51.34)	0.0	
		7/18/2016	NE	40.15	NA	NA	NA	402.62		0.0	
		7/25/2016	NE	40.31	NA	NA	NA	402.46		0.3	
Monthly		8/2/2016	NE	40.18	NA	NA	NA	402.59		0.0	
Weekly		8/10/2016	NE	40.11	NA	NA	NA	402.66		0.0	
		8/17/2016	NE	40.10	NA	NA	NA	402.67		0.0	
		8/23/2016	NE	40.09	NA	NA	NA	402.68		0.0	
		8/31/2016	NE	39.92	NA	NA	NA	402.85		0.0	
Monthly		9/7/2016	NE	39.86	NA	NA	NA	402.91		0.0	
Weekly		9/12/2016	NE	39.85	NA	NA	NA	402.92		0.0	
		9/20/2016	NE	39.72	NA	NA	NA	403.05		2.0	
		9/27/2016	NE	39.52	NA	NA	NA	403.25		0.0	
MW-20											
Monthly	443.67	8/2/2016	NE	40.99	NA	NA	NA	402.68	407.79 - 392.79 (35.88 - 50.88)	0.0	
		9/7/2016	NE	40.63	NA	NA	NA	403.04		0.0	
MW-21											
Monthly	443.81	8/2/2016	NE	41.00	NA	NA	NA	402.81	408.80 - 393.80 (35.01 - 50.01)	0.0	
		9/7/2016	NE	40.58	NA	NA	NA	403.23		0.0	

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TABLE 1b
3Q16 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	7/12/2016	NE	39.56	NA	NA	NA	402.60	404.28 - 394.28 (37.88 - 47.88)	0.4	
		7/18/2016	NE	39.20	NA	NA	NA	402.96		0.2	
		7/25/2016	NM	NM	NA	NA	NA	NA		NM	Car parked on well - Unable to access
Monthly		8/2/2016	NE	39.19	NA	NA	NA	402.97		0.0	
Weekly		8/10/2016	NE	39.11	NA	NA	NA	403.05		0.0	
		8/17/2016	NE	39.09	NA	NA	NA	403.07		0.0	
		8/23/2016	NE	39.08	NA	NA	NA	403.08		0.0	
		8/31/2016	NE	38.89	NA	NA	NA	403.27		0.0	
Monthly		9/7/2016	NE	38.83	NA	NA	NA	403.33		7.4	
Weekly		9/12/2016	NE	38.84	NA	NA	NA	403.32		0.0	
		9/20/2016	NE	38.74	NA	NA	NA	403.42		15.2	
		9/27/2016	NE	38.55	NA	NA	NA	403.61		0.0	
MW-23											
Monthly	431.41	8/2/2016	NE	27.33	NA	NA	NA	404.08	402.39 - 392.39 (29.02 - 39.02)	0.0	*
		9/7/2016	NE	26.93	NA	NA	NA	404.48		0.6	*
MW-24											
Monthly	443.42	8/2/2016	NE	40.07	NA	NA	NA	403.35	404.53 - 394.53 (38.89 - 48.89)	0.0	
		9/7/2016	NE	39.70	NA	NA	NA	403.72		1.0	
MW-25											
Monthly	438.35	8/2/2016	NE	34.98	NA	NA	NA	403.37	402.76 - 392.76 (35.59 - 45.59)	97.0	*
		9/7/2016	NE	34.64	NA	NA	NA	403.71		61.8	*
MW-26											
Monthly	441.02	8/2/2016	NE	37.90	NA	NA	NA	403.12	402.87 - 392.87 (38.15 - 48.15)	0.0	*
		9/7/2016	NE	37.52	NA	NA	NA	403.50		0.2	*
MW-27											
Monthly	443.40	8/2/2016	NE	39.12	NA	NA	NA	404.28	403.61 - 393.61 (39.79 - 49.79)	0.0	*
		9/6/2016	NE	38.88	NA	NA	NA	404.52		0.9	*
MW-28											
Monthly	443.34	8/2/2016	NE	38.65	NA	NA	NA	404.69	409.73 - 399.73 (33.61 - 43.61)	0.0	
		9/6/2016	NE	38.20	NA	NA	NA	405.14		0.0	
P-54											
Monthly	442.32	8/2/2016	NE	38.72	NA	NA	NA	403.60	404.32 - 379.32 (38.00 - 63.00)	0.0	
		9/7/2016	NE	38.35	NA	NA	NA	403.97		2.6	
P-55R											
Weekly	443.79	7/12/2016	39.88	40.25	403.54	403.91	0.37	403.84	403.36 - 393.36 (40.43 - 50.43)	302.8	*
		7/18/2016	40.31	40.40	403.39	403.48	0.09	403.46		75.4	*
		7/25/2016	40.19	40.54	403.25	403.60	0.35	403.53		208.4	*
Monthly		8/5/2016	NE	40.01	NA	NA	NA	403.78		451.4	*
Weekly		8/10/2016	40.08	40.51	403.28	403.71	0.43	403.62		364.8	*
		8/17/2016	40.09	40.27	403.52	403.70	0.18	403.66		394.5	*
		8/23/2016	40.00	40.19	403.60	403.79	0.19	403.75		226.4	*
		8/31/2016	39.91	40.09	403.70	403.88	0.18	403.84		280.6	*
Monthly		9/6/2016	NE	40.07	NA	NA	NA	403.72		397.6	*
Weekly		9/12/2016	39.70	39.97	403.82	404.09	0.27	404.04		119.6	*
		9/20/2016	39.65	39.87	403.92	404.14	0.22	404.10		355.0	*
		9/27/2016	39.49	39.67	404.12	404.30	0.18	404.26		56.3	*
P-56											
Monthly	446.14	8/5/2016	NE	43.49	NA	NA	NA	402.65	405.32 - 380.32 (40.82 - 65.82)	0.0	
		9/6/2016	NE	43.21	NA	NA	NA	402.93		0.0	
P-57											
Monthly	446.96	8/5/2016	NE	44.15	NA	NA	NA	402.81	402.77 - 392.77 (44.19 - 54.19)	137.1	*
		9/6/2016	NE	43.85	NA	NA	NA	403.11		87.1	*
P-58											
Monthly	444.94	8/5/2016	NE	41.99	NA	NA	NA	402.95	404.73 - 379.73 (40.21 - 65.21)	0.0	
		9/6/2016	NE	41.66	NA	NA	NA	403.28		0.0	
P-59											
Monthly	446.86	8/5/2016	NE	44.43	NA	NA	NA	402.43	398.95 - 373.95 (47.91 - 72.91)	224.4	*
		9/6/2016	NE	44.14	NA	NA	NA	402.72		229.9	*
P-60											
Weekly	446.69	7/12/2016	43.12	43.17	403.52	403.57	0.05	403.56	403.24 - 383.24 (43.45 - 63.45)	356.8	*
		7/18/2016	43.83	43.90	402.79	402.86	0.07	402.85		72.4	
		7/25/2016	43.81	43.86	402.83	402.88	0.05	402.87		269.3	
Monthly		8/5/2016	NE	43.73	NA	NA	NA	402.96		176.4	
Weekly		8/10/2016	43.75	43.79	402.90	402.94	0.04	402.93		285.9	
		8/17/2016	43.73	43.77	402.92	402.96	0.04	402.95		277.8	
		8/23/2016	43.68	43.72	402.97	403.01	0.04	403.00		396.2	
		8/31/2016	43.49	43.54	403.15	403.20	0.05	403.19		14.5	
Monthly		9/6/2016	NE	43.46	NA	NA	NA	403.23		53.0	
Weekly		9/12/2016	43.44	43.48	403.21	403.25	0.04	403.24		113.3	
		9/20/2016	43.32	43.37	403.32	403.37	0.05	403.36		23.2	*
		9/27/2016	43.09	43.14	403.55	403.60	0.05	403.59		5.6	*
P-60-11											
Monthly	446.26	8/5/2016	NE	42.50	NA	NA	NA	403.76	413.11 - 383.11 (33.15 - 63.15)	0.0	
		9/6/2016	NE	42.22	NA	NA	NA	404.04		15.6	
P-60-12											
Monthly	443.43	8/5/2016	NE	40.52	NA	NA	NA	402.91	383.43 - 373.43 (60.00 - 70.00)	26.0	*
		9/6/2016	NE	40.30	NA	NA	NA	403.13		14.5	*

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 1b
3Q16 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-60-13											
Monthly	442.92	8/5/2016	NE	39.34	NA	NA	NA	403.58	402.92 - 382.92 (40.00 - 60.00)	0.0	*
		9/6/2016	NE	39.13	NA	NA	NA	403.79		2.0	*
P-60-S											
Monthly	446.84	8/5/2016	NE	43.11	NA	NA	NA	403.73	410.36 - 395.36 (36.48 - 51.48)	4.1	
		9/6/2016	NE	42.83	NA	NA	NA	404.01		1.6	
P-66											
Monthly	436.81	8/5/2016	NE	33.41	NA	NA	NA	403.40	402.09 - 377.09 (34.72 - 59.72)	80.3	*
		9/6/2016	NE	33.12	NA	NA	NA	403.69		82.6	*
P-68											
Weekly	445.18	7/12/2016	NM	NM	NA	NA	NA	NA	399.92 - 374.92 (45.26 - 70.26)	NM	Unsafe condition at well - Unable to access
		7/18/2016	42.55	42.61	402.57	402.63	0.06	402.62		270.4	*
		7/25/2016	42.78	42.84	402.34	402.40	0.06	402.39		197.2	*
Monthly		8/5/2016	NE	42.44	NA	NA	NA	402.74		190.0	*
Weekly		8/10/2016	42.45	42.50	402.68	402.73	0.05	402.72		158.3	*
		8/17/2016	42.43	42.49	402.69	402.75	0.06	402.74		164.1	*
		8/23/2016	42.38	42.44	402.74	402.80	0.06	402.79		292.1	*
		8/31/2016	42.19	42.24	402.94	402.99	0.05	402.98		319.6	*
Monthly		9/6/2016	NE	42.20	NA	NA	NA	402.98		279.3	*
Weekly		9/12/2016	42.15	42.20	402.98	403.03	0.05	403.02		256.7	*
		9/20/2016	42.03	42.08	403.10	403.15	0.05	403.14		314.6	*
		9/27/2016	41.78	41.83	403.35	403.40	0.05	403.39		234.5	*
P-74											
Monthly	442.72	8/5/2016	NE	40.44	NA	NA	NA	402.28	398.29 - 373.29 (44.43 - 69.43)	0.0	*
		9/6/2016	NE	40.17	NA	NA	NA	402.55		0.3	*
P-93A											
Monthly	445.12	8/5/2016	NE	42.35	NA	NA	NA	402.77	402.05 - 392.05 (43.07 - 53.07)	11.0	*
		9/6/2016	NE	42.03	NA	NA	NA	403.09		5.0	*
P-93B											
Monthly	446.52	8/5/2016	NE	43.70	NA	NA	NA	402.82	371.92 - 369.92 (74.60 - 76.60)	0.0	*
		9/6/2016	NE	43.52	NA	NA	NA	403.00		0.5	*
P-93C											
Monthly	446.28	8/5/2016	NE	43.48	NA	NA	NA	402.80	353.81 - 348.81 (92.47 - 97.47)	18.9	*
		9/6/2016	NE	43.18	NA	NA	NA	403.10		3.4	*
P-93D											
Monthly	446.73	8/5/2016	NE	43.92	NA	NA	NA	402.81	320.98 - 318.98 (125.75 - 127.75)	0.0	*
		9/6/2016	NE	43.60	NA	NA	NA	403.13		16.6	*
ROST-3-MW											
Weekly	442.29	7/12/2016	NE	38.54	NA	NA	NA	403.75	404.48 - 394.48 (37.81 - 47.81)	384.7	
		7/18/2016	NE	38.93	NA	NA	NA	403.36		49.1	
		7/25/2016	NE	38.97	NA	NA	NA	403.32		110.7	
Monthly		8/2/2016	NE	38.95	NA	NA	NA	403.34		59.4	
Weekly		8/10/2016	NE	38.88	NA	NA	NA	403.41		364.1	
		8/17/2016	NE	38.82	NA	NA	NA	403.47		90.8	
		8/23/2016	NE	38.81	NA	NA	NA	403.48		188.9	
		8/31/2016	NE	38.62	NA	NA	NA	403.67		292.2	
Monthly		9/6/2016	NE	38.58	NA	NA	NA	403.71		21.8	
Weekly		9/12/2016	NE	38.58	NA	NA	NA	403.71		55.1	
		9/20/2016	NE	38.47	NA	NA	NA	403.82		378.4	
		9/27/2016	NE	38.32	NA	NA	NA	403.97		117.4	
ROST-4-PZ											
Weekly	442.13	7/12/2016	NE	37.91	NA	NA	NA	404.22	407.20 - 397.20 (34.93 - 44.93)	0.0	
		7/18/2016	NE	38.15	NA	NA	NA	403.98		1.4	
		7/25/2016	NE	38.24	NA	NA	NA	403.89		0.0	
Monthly		8/2/2016	NE	38.31	NA	NA	NA	403.82		0.3	
Weekly		8/10/2016	NE	38.25	NA	NA	NA	403.88		0.0	
		8/17/2016	NE	38.21	NA	NA	NA	403.92		10.8	
		8/23/2016	NE	38.15	NA	NA	NA	403.98		0.0	
		8/31/2016	NE	37.99	NA	NA	NA	404.14		0.0	
Monthly		9/6/2016	NE	37.94	NA	NA	NA	404.19		0.0	
Weekly		9/12/2016	NE	37.92	NA	NA	NA	404.21		0.0	
		9/20/2016	NE	37.87	NA	NA	NA	404.26		2.8	
		9/27/2016	NE	37.72	NA	NA	NA	404.41		0.0	
ROST-4-PZ(A)											
Weekly	442.11	7/12/2016	NE	36.85	NA	NA	NA	405.26	407.34 - 397.34 (34.77 - 44.77)	0.3	
		7/18/2016	NE	37.13	NA	NA	NA	404.98		7.1	
		7/25/2016	NE	37.13	NA	NA	NA	404.98		0.3	
Monthly		8/2/2016	NE	37.81	NA	NA	NA	404.30		0.0	
Weekly		8/10/2016	NE	37.83	NA	NA	NA	404.28		0.0	
		8/17/2016	NE	37.75	NA	NA	NA	404.36		0.0	
		8/23/2016	NE	37.80	NA	NA	NA	404.31		0.0	
		8/31/2016	NE	36.72	NA	NA	NA	405.39		0.1	
Monthly		9/6/2016	NE	36.87	NA	NA	NA	405.24		1.0	
Weekly		9/12/2016	NE	36.65	NA	NA	NA	405.46		0.0	
		9/20/2016	NE	36.62	NA	NA	NA	405.49		0.3	
		9/27/2016	NE	36.58	NA	NA	NA	405.53		0.0	

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TABLE 1b
3Q16 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(B)											
Weekly	442.38	7/12/2016	NE	37.86	NA	NA	NA	404.52	407.33 - 397.33 (35.05 - 45.05)	0.0	
Weekly		7/18/2016	NE	37.98	NA	NA	NA	404.40		0.0	
Weekly		7/25/2016	NE	38.08	NA	NA	NA	404.30		0.0	
Monthly		8/2/2016	NE	38.16	NA	NA	NA	404.22		0.1	
Weekly		8/10/2016	NE	38.08	NA	NA	NA	404.30		0.0	
Weekly		8/17/2016	NE	38.04	NA	NA	NA	404.34		0.0	
Weekly		8/23/2016	NE	37.97	NA	NA	NA	404.41		0.0	
Weekly		8/31/2016	NE	37.84	NA	NA	NA	404.54		0.1	
Monthly		9/6/2016	NE	37.78	NA	NA	NA	404.60		0.0	
Weekly		9/12/2016	NE	37.75	NA	NA	NA	404.63		0.0	
Weekly		9/20/2016	NE	37.69	NA	NA	NA	404.69		0.0	
Weekly		9/27/2016	NE	37.60	NA	NA	NA	404.78		0.6	
ROST-4-PZ(C)											
Weekly	442.66	7/12/2016	NE	39.78	NA	NA	NA	402.88	407.71 - 397.71 (34.95 - 44.95)	0.0	
Weekly		7/18/2016	NE	39.03	NA	NA	NA	403.63		0.1	
Weekly		7/25/2016	NE	39.11	NA	NA	NA	403.55		0.0	
Monthly		8/2/2016	NE	39.14	NA	NA	NA	403.52		0.0	
Weekly		8/10/2016	NE	39.10	NA	NA	NA	403.56		0.3	
Weekly		8/17/2016	NE	39.05	NA	NA	NA	403.61		0.0	
Weekly		8/23/2016	NE	39.03	NA	NA	NA	403.63		0.0	
Weekly		8/31/2016	NE	38.83	NA	NA	NA	403.83		0.1	
Monthly		9/6/2016	NE	38.82	NA	NA	NA	403.84		1.8	
Weekly		9/12/2016	NE	38.80	NA	NA	NA	403.86		0.6	
Weekly		9/20/2016	NE	38.73	NA	NA	NA	403.93		1.3	
Weekly		9/27/2016	NE	38.80	NA	NA	NA	403.86		0.0	
ROST-4-PZ(D)											
Weekly	442.98	7/12/2016	NE	38.65	NA	NA	NA	404.33	408.01 - 398.01 (34.97 - 44.97)	0.0	
Weekly		7/18/2016	NE	38.93	NA	NA	NA	404.05		0.5	
Weekly		7/25/2016	NE	38.98	NA	NA	NA	404.00		0.0	
Monthly		8/2/2016	NE	39.02	NA	NA	NA	403.96		0.0	
Weekly		8/10/2016	NE	38.99	NA	NA	NA	403.99		1.0	
Weekly		8/17/2016	NE	38.94	NA	NA	NA	404.04		0.0	
Weekly		8/23/2016	NE	38.90	NA	NA	NA	404.08		0.0	
Weekly		8/31/2016	NE	38.73	NA	NA	NA	404.25		0.0	
Monthly		9/6/2016	NE	38.70	NA	NA	NA	404.28		0.4	
Weekly		9/12/2016	NE	38.68	NA	NA	NA	404.30		0.7	
Weekly		9/20/2016	NE	38.62	NA	NA	NA	404.36		0.7	
Weekly		9/27/2016	NE	38.43	NA	NA	NA	404.55		0.0	
ROST-4-PZ(E)											
Weekly	441.96	7/12/2016	NE	37.82	NA	NA	NA	404.14	407.21 - 397.21 (34.75 - 44.75)	0.0	
Weekly		7/18/2016	NE	38.02	NA	NA	NA	403.94		0.4	
Weekly		7/25/2016	NE	38.10	NA	NA	NA	403.86		0.2	
Monthly		8/2/2016	NE	38.62	NA	NA	NA	403.34		0.0	
Weekly		8/10/2016	NE	38.17	NA	NA	NA	403.79		0.0	
Weekly		8/17/2016	NE	38.14	NA	NA	NA	403.82		0.0	
Weekly		8/23/2016	NE	38.11	NA	NA	NA	403.85		0.0	
Weekly		8/31/2016	NE	37.98	NA	NA	NA	403.98		0.0	
Monthly		9/6/2016	NE	37.93	NA	NA	NA	404.03		0.0	
Weekly		9/12/2016	NE	37.90	NA	NA	NA	404.06		0.0	
Weekly		9/20/2016	NE	37.83	NA	NA	NA	404.13		0.0	
Weekly		9/27/2016	NE	37.70	NA	NA	NA	404.26		0.0	
ROST-4-PZ(F)											
Weekly	442.12	7/12/2016	NE	38.02	NA	NA	NA	404.10	407.59 - 397.59 (34.53 - 44.53)	0.0	
Weekly		7/18/2016	NE	38.21	NA	NA	NA	403.91		0.0	
Weekly		7/25/2016	NE	38.27	NA	NA	NA	403.85		0.6	
Monthly		8/2/2016	NE	38.39	NA	NA	NA	403.73		0.0	
Weekly		8/10/2016	NE	38.35	NA	NA	NA	403.77		0.0	
Weekly		8/17/2016	NE	38.32	NA	NA	NA	403.80		0.0	
Weekly		8/23/2016	NE	38.31	NA	NA	NA	403.81		0.0	
Weekly		8/31/2016	NE	38.23	NA	NA	NA	403.89		0.0	
Monthly		9/6/2016	NE	38.12	NA	NA	NA	404.00		14.2	
Weekly		9/12/2016	NE	38.11	NA	NA	NA	404.01		0.0	
Weekly		9/20/2016	NE	38.05	NA	NA	NA	404.07		0.0	
Weekly		9/27/2016	NE	37.94	NA	NA	NA	404.18		1.7	
ROST-4-PZ(G)											
Weekly	442.13	7/12/2016	NE	38.39	NA	NA	NA	403.74	407.85 - 397.85 (34.28 - 44.28)	0.0	
Weekly		7/18/2016	NE	39.03	NA	NA	NA	403.10		0.0	
Weekly		7/25/2016	NE	39.14	NA	NA	NA	402.99		3.4	
Monthly		8/2/2016	NE	39.04	NA	NA	NA	403.09		0.0	
Weekly		8/10/2016	NE	38.96	NA	NA	NA	403.17		0.0	
Weekly		8/17/2016	NE	38.92	NA	NA	NA	403.21		0.0	
Weekly		8/23/2016	NE	38.86	NA	NA	NA	403.27		0.0	
Weekly		8/31/2016	NE	38.73	NA	NA	NA	403.40		0.0	
Monthly		9/6/2016	NE	38.70	NA	NA	NA	403.43		0.0	
Weekly		9/12/2016	NE	38.70	NA	NA	NA	403.43		0.3	
Weekly		9/20/2016	NE	38.58	NA	NA	NA	403.55		0.0	
Weekly		9/27/2016	NE	38.41	NA	NA	NA	403.72		0.0	

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TABLE 1b
3Q16 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
T-12											
Monthly	444.80	8/5/2016	NE	42.39	NA	NA	NA	402.41	397.97 - 371.97 (46.83 - 72.83)	14.5	*
		9/6/2016	NE	42.12	NA	NA	NA	402.68		0.8	*

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) btoc = Below Top of Casing; ppm = parts per million; 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.

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 2a
SUMMARY OF MAIN AQUIFER GROUNDWATER MONITORING WELL FIELD PARAMETERS

WELL ID & EVENT	pH	Temp (C)	Specific Cond (mS/cm)	Turbidity (NTUs)	DO (mg/L)	ORP (mV)	General Notes
MW-01							
4Q13	6.71	19.07	1.332	9.26	0.00	-27	
1Q14	6.77	18.29	1.203	9.97	0.00	-3	
2Q14	6.73	18.29	1.145	4.81	0.07	20	
3Q14	6.76	19.63	1.799	7.12	0.00	-59	
4Q14	6.77	18.93	1.170	8.10	0.02	-36	
1Q15	6.75	17.35	1.127	18.42	0.04	-49	
2Q15	6.78	18.34	1.130	0.59	0.08	-68	
3Q15	6.76	18.63	1.274	8.68	0.13	11	
4Q15	6.92	19.40	1.388	1.57	0.03	35	
1Q16	6.68	17.92	1.344	19.95	0.05	63	
2Q16	6.81	18.71	1.544	9.40	0.00	20	
3Q16	6.79	20.30	1.310	18.10	0.21	52	
MW-02							
4Q13	6.72	20.79	1.279	5.91	0.00	-99	
1Q14	6.61	19.24	1.256	17.36	0.03	-107	
2Q14	6.68	20.81	1.280	16.03	0.09	-105	
3Q14	6.74	21.58	*	8.24	0.00	-99	
4Q14	6.67	20.16	1.438	5.95	0.00	-116	
1Q15	6.80	19.08	1.486	4.72	0.02	-146	
2Q15	6.86	20.39	1.390	0.00	0.07	-115	
3Q15	6.77	21.71	1.317	13.95	0.01	-106	
4Q15	6.74	21.52	1.454	1.20	0.09	-116	
1Q16	6.84	19.51	1.590	21.92	0.00	-180	
2Q16	6.77	20.24	1.750	13.62	0.00	-314	
3Q16	6.88	21.14	1.293	21.62	0.06	-105	
MW-03							
4Q13	6.93	19.92	1.402	9.94	0.00	-123	
1Q14	6.90	18.04	1.689	8.24	0.01	-125	
2Q14	6.85	19.35	1.267	1.91	0.64	-137	
3Q14	6.95	20.06	*	8.43	0.00	-134	
4Q14	6.92	18.95	1.352	3.87	0.00	-142	
1Q15	7.02	16.89	1.153	7.82	0.00	-152	
2Q15	6.94	19.39	1.542	0.87	0.02	-140	
3Q15	7.02	19.81	1.348	3.45	0.04	-157	
4Q15	7.00	19.49	1.277	4.92	0.01	-148	
1Q16	6.94	18.29	1.302	13.88	0.07	-128	
2Q16	7.00	17.98	1.372	4.51	0.06	-156	
3Q16	7.18	20.71	1.304	16.82	0.05	-182	
MW-04							
4Q13	6.79	18.67	1.505	8.67	0.00	-103	
1Q14	6.84	17.90	1.457	9.36	0.00	-113	
2Q14	6.81	18.59	1.434	7.85	0.00	-99	
3Q14	6.85	19.57	*	8.29	0.00	-116	
4Q14	6.86	18.96	1.315	9.22	0.00	-120	
1Q15	6.92	18.28	1.177	28.46	0.03	-110	
2Q15	7.02	18.60	1.660	16.36	0.00	-77	
3Q15	6.96	20.69	1.230	16.98	0.00	-0.12	
4Q15	6.75	19.08	1.481	1.79	0.06	-103	
1Q16	6.84	17.92	1.296	*	0.04	-101	
2Q16	6.87	18.76	1.524	4.21	0.01	-123	
3Q16	6.97	19.59	1.374	6.42	0.00	-124	

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TABLE 2a
SUMMARY OF MAIN AQUIFER GROUNDWATER MONITORING WELL FIELD PARAMETERS

WELL ID & EVENT	pH	Temp (C)	Specific Cond (mS/cm)	Turbidity (NTUs)	DO (mg/L)	ORP (mV)	General Notes
MW-05							
4Q13	6.86	19.97	1.115	9.55	0.00	-114	
1Q14	6.82	17.75	1.142	28.73	0.00	-119	
2Q14	6.77	20.42	1.165	8.64	0.00	-126	
3Q14	6.79	19.91	*	9.32	0.00	-118	
4Q14	6.83	19.07	1.209	18.04	0.00	-125	
1Q15	6.90	17.89	1.222	17.31	0.00	-132	
2Q15	6.77	19.24	1.410	0.00	0.03	-128	
3Q15	6.76	21.54	1.552	8.31	0.02	-130	
4Q15	6.73	19.70	1.507	0.64	0.01	-119	
1Q16	6.70	17.10	1.503	21.55	0.11	-87	
2Q16	6.84	17.96	1.316	5.62	0.09	-131	
3Q16	6.90	20.29	1.384	8.69	0.06	-154	
MW-06A							
4Q13	6.67	19.52	1.339	9.08	0.00	-116	
1Q14	6.72	17.88	1.418	8.64	0.00	-114	
2Q14	6.58	19.29	1.852	9.74	0.05	-128	
3Q14	6.69	19.70	*	7.30	0.00	-114	
4Q14	6.69	19.14	1.594	24.72	0.02	-123	
1Q15	6.72	17.00	1.698	151.20	0.00	-117	
2Q15	6.78	18.57	1.548	8.35	0.07	-108	
3Q15	6.50	19.73	1.758	27.24	0.00	-99	
4Q15	6.74	19.47	1.486	5.18	0.03	-110	
1Q16	6.60	15.88	1.412	34.53	0.00	-76	
2Q16	6.72	18.75	1.383	10.75	0.00	-125	
3Q16	6.90	20.89	1.172	24.84	0.18	-267	
MW-06B							
4Q13	6.89	18.56	1.424	7.08	0.00	-88	
1Q14	6.96	17.14	1.221	17.54	0.01	-88	
2Q14	6.93	18.42	1.203	1.60	0.14	-117	
3Q14	6.92	19.60	*	9.10	0.00	-89	
4Q14	6.93	18.62	1.235	9.83	0.09	-94	
1Q15	6.99	16.50	1.150	9.27	0.02	-114	
2Q15	6.98	18.06	1.204	9.72	0.09	-86	
3Q15	6.91	20.80	1.266	4.64	0.00	-92	
4Q15	7.05	20.14	0.961	12.33	0.06	-77	
1Q16	6.78	17.51	1.064	1.19	0.03	-55	
2Q16	7.01	18.24	0.947	1.02	0.06	-114	
3Q16	7.08	20.48	0.869	5.50	0.19	-238	
MW-06C							
4Q13	6.99	17.83	1.168	8.60	0.00	-122	
1Q14	7.03	17.02	1.153	6.78	0.00	-118	
2Q14	7.01	17.94	1.102	11.44	0.17	-136	
3Q14	7.08	18.97	*	4.81	0.00	-125	
4Q14	7.07	18.22	1.040	8.88	0.06	-128	
1Q15	7.08	16.29	0.970	7.72	0.02	-133	
2Q15	7.13	18.33	0.953	3.49	0.06	-131	
3Q15	7.08	20.21	0.977	0.61	0.04	-126	
4Q15	6.99	19.17	1.040	0.00	0.14	-110	
1Q16	6.92	17.04	1.056	14.46	0.17	-78	
2Q16	7.03	18.16	1.032	1.57	0.00	-142	
3Q16	7.38	19.99	0.886	9.34	0.09	-278	

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 2a
SUMMARY OF MAIN AQUIFER GROUNDWATER MONITORING WELL FIELD PARAMETERS

WELL ID & EVENT	pH	Temp (C)	Specific Cond (mS/cm)	Turbidity (NTUs)	DO (mg/L)	ORP (mV)	General Notes
MW-06D							
4Q13	6.98	17.47	1.611	8.40	0.00	-124	
1Q14	7.08	16.88	1.424	6.80	0.00	-127	
2Q14	7.05	17.34	1.424	8.46	0.06	-147	
3Q14	7.01	18.57	*	18.02	0.00	-135	
4Q14	7.04	17.79	1.633	9.39	0.04	-142	
1Q15	7.02	16.32	1.464	93.69	0.00	-139	
2Q15	7.10	17.49	1.270	12.27	0.06	-12	
3Q15	7.03	19.07	1.308	36.17	0.00	-140	
4Q15	6.98	18.86	1.154	4.56	0.16	-118	
1Q16	6.94	17.29	1.129	40.73	0.09	-85	
2Q16	7.00	17.67	1.162	17.65	0.00	-150	
3Q16	7.30	19.71	1.029	10.15	0.13	-253	
MW-07							
4Q13	6.78	18.89	1.442	9.42	0.05	-76	
1Q14	6.88	18.24	1.569	9.44	0.22	-151	
2Q14	6.87	18.98	1.610	8.87	0.07	-89	
3Q14	6.83	20.22	*	9.55	0.05	-93	
4Q14	6.86	19.78	1.606	9.88	0.00	-104	
1Q15	6.91	17.63	1.789	6.77	0.03	-72	
2Q15	6.97	19.00	2.848	8.22	0.06	-64	
3Q15	6.72	20.11	1.585	18.56	0.05	-94	
4Q15	6.66	20.01	1.570	17.35	0.08	-74	
1Q16	6.38	18.84	1.608	*	0.07	-66	
2Q16	6.71	19.24	1.551	27.73	0.09	-81	
3Q16	6.77	19.98	1.668	11.63	0.00	-83	
MW-08							
4Q13	6.52	18.42	2.225	8.90	0.00	-46	
1Q14	6.59	18.12	1.741	8.77	0.11	-130	
2Q14	6.56	18.82	1.777	9.15	0.02	-65	
3Q14	6.72	19.81	*	8.40	0.00	-95	
4Q14	6.76	19.31	1.772	9.39	0.00	-89	
1Q15	6.70	17.67	1.658	9.76	0.00	-84	
2Q15	6.81	19.46	2.652	6.05	0.05	-62	
3Q15	6.62	20.88	1.485	13.30	0.00	-95	
4Q15	6.62	19.72	1.623	9.73	0.12	-74	
1Q16	6.21	18.80	1.472	*	0.08	-64	
2Q16	6.72	20.32	1.682	6.56	0.12	-84	
3Q16	6.80	21.34	1.693	8.41	0.00	-91	
MW-09							
4Q13	6.71	18.47	1.440	7.91	0.00	-91	
1Q14	6.82	17.06	1.322	0.19	0.02	-54	
2Q14	6.75	17.34	1.273	1.20	0.42	-48	
3Q14	6.75	19.67	*	7.03	0.11	-67	
4Q14	6.73	18.98	1.408	8.14	0.20	-58	
1Q15	6.72	16.83	1.377	4.68	0.01	-59	
2Q15	6.73	18.21	1.421	1.59	0.04	-82	
3Q15	6.75	18.00	1.478	11.86	0.18	-76	
4Q15	6.67	20.06	1.635	0.47	0.27	-46	
1Q16	6.71	16.60	1.670	8.76	0.07	-28	
2Q16	6.68	17.49	1.514	5.13	0.00	-70	
3Q16	6.92	20.10	1.277	15.67	0.10	-95	

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TABLE 2a
SUMMARY OF MAIN AQUIFER GROUNDWATER MONITORING WELL FIELD PARAMETERS

WELL ID & EVENT	pH	Temp (C)	Specific Cond (mS/cm)	Turbidity (NTUs)	DO (mg/L)	ORP (mV)	General Notes
MW-10							
4Q13	6.92	19.56	1.373	8.91	0.00	-129	
1Q14	6.85	17.17	1.632	9.92	0.01	-124	
2Q14	6.83	17.96	1.734	9.43	0.06	-162	
3Q14	6.89	19.54	*	7.27	0.00	-123	
4Q14	6.83	19.57	1.849	9.85	0.05	-121	
1Q15	6.84	15.93	1.465	15.33	0.14	-110	
2Q15	6.86	18.48	1.825	7.06	0.08	-102	
3Q15	6.81	18.67	1.971	13.36	0.09	-110	
4Q15	6.74	18.77	1.802	1.16	0.15	-105	
1Q16	6.97	17.41	1.527	13.37	0.05	-97	
2Q16	6.93	18.18	1.801	3.47	0.00	-118	
3Q16	7.15	20.73	1.168	45.23	0.01	-159	
MW-11							
4Q13	6.73	17.76	1.676	9.66	0.00	-98	
1Q14	6.77	16.61	1.587	9.79	0.02	-100	
2Q14	6.74	17.19	1.677	9.63	0.08	-116	
3Q14	6.78	19.16	*	7.69	0.01	-99	
4Q14	6.76	18.19	1.553	12.87	0.00	-121	
1Q15	6.68	15.59	1.604	17.97	0.01	-85	
2Q15	6.79	17.63	1.442	9.62	0.11	-84	
3Q15	6.72	17.47	1.519	13.78	0.11	-82	
4Q15	6.70	18.95	1.534	0.00	0.31	-82	
1Q16	6.76	14.63	1.397	7.59	0.13	-43	
2Q16	6.75	16.36	1.436	7.73	0.16	-90	
3Q16	6.76	19.02	1.245	3.03	0.09	-103	
MW-12							
4Q13	6.83	18.87	1.030	7.86	0.01	69	
1Q14	6.79	17.15	0.977	4.91	0.14	56	
2Q14	6.80	18.59	0.969	3.00	0.19	98	
3Q14	6.85	19.68	*	9.27	0.20	103	
4Q14	6.84	19.09	1.035	19.80	0.32	202	
1Q15	6.78	16.62	1.091	6.01	0.39	115	
2Q15	6.88	18.04	1.153	5.13	0.15	126	
3Q15	6.90	18.65	0.959	46.10	1.63	161	
4Q15	6.75	19.59	1.230	0.96	1.62	224	
1Q16	6.87	17.51	1.335	47.05	0.21	79	
2Q16	6.83	18.02	1.602	8.72	0.21	91	
3Q16	6.83	19.63	1.240	7.49	0.12	140	
MW-13							
4Q13	6.54	19.63	1.527	7.87	0.00	-93	
1Q14	6.75	19.40	1.449	9.22	0.00	-107	
2Q14	6.71	20.02	1.459	3.40	0.00	-115	
3Q14	6.84	20.85	1.494	9.21	0.00	-124	
4Q14	6.72	19.48	1.491	7.92	0.00	-115	
1Q15	6.88	18.38	1.424	84.72	0.05	-110	
2Q15	6.81	20.23	1.415	5.22	0.03	-108	
3Q15	6.82	19.49	1.100	4.91	0.02	-0.12	
4Q15	6.64	20.13	1.393	2.61	0.04	-113	
1Q16	6.74	18.55	1.389	*	0.21	-103	
2Q16	6.69	19.00	1.731	10.77	0.19	-111	
3Q16	6.79	20.66	1.366	6.20	0.00	-264	

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TABLE 2a
SUMMARY OF MAIN AQUIFER GROUNDWATER MONITORING WELL FIELD PARAMETERS

WELL ID & EVENT	pH	Temp (C)	Specific Cond (mS/cm)	Turbidity (NTUs)	DO (mg/L)	ORP (mV)	General Notes
MW-14							
4Q13	6.70	19.37	1.262	1.83	0.05	-109	
1Q14	6.66	16.71	1.156	3.11	0.03	-90	
2Q14	6.74	19.27	1.371	2.17	0.65	-107	
3Q14	6.80	21.27	1.093	3.92	0.06	-117	
4Q14	6.74	18.78	1.204	4.11	0.00	-107	
1Q15	6.83	17.81	1.591	2.41	0.03	-92	
2Q15	6.77	19.34	1.490	1.59	0.03	-84	
3Q15	6.80	18.99	0.957	9.92	0.05	-0.11	
4Q15	6.58	19.70	1.768	18.19	0.08	-49	
1Q16	6.84	18.40	0.888	*	0.00	-97	
2Q16	6.68	19.91	1.319	10.63	0.00	-92	
3Q16	6.85	21.48	1.044	11.52	0.00	-204	
MW-16							
4Q13	6.49	18.69	1.283	8.13	0.00	-42	
1Q14	6.55	16.61	1.579	9.95	0.05	-66	
2Q14	6.47	19.14	1.466	4.29	0.04	-95	
3Q14	6.55	20.83	*	9.79	0.00	-87	
4Q14	6.61	20.95	1.474	12.38	0.05	-99	
1Q15	6.61	16.64	1.627	1.20	0.01	-98	
2Q15	6.63	19.06	1.792	0.00	0.02	-104	
3Q15	6.64	19.49	1.749	8.67	0.14	-108	
4Q15	6.61	20.15	2.005	9.55	0.28	-41	
1Q16	6.76	17.39	1.980	*	0.01	-75	
2Q16	6.52	17.77	2.817	0.72	0.00	73	
3Q16	6.71	19.40	1.380	4.89	0.37	-25	
MW-22							
4Q13	6.72	20.53	1.171	9.24	0.02	-107	
1Q14	6.78	19.54	1.115	7.57	0.04	-104	
2Q14	6.75	21.83	1.066	8.03	0.05	-108	
3Q14	6.77	23.02	*	7.61	0.00	-106	
4Q14	6.74	20.55	1.242	10.99	0.00	-108	
1Q15	6.86	18.34	1.124	27.97	0.02	-113	
2Q15	6.71	20.51	1.068	7.14	0.05	-102	
3Q15	6.65	23.12	1.030	15.64	0.15	-121	
4Q15	6.62	22.06	1.363	3.05	0.18	-90	
1Q16	6.58	19.24	1.378	14.96	0.00	-82	
2Q16	6.68	21.14	1.453	13.48	0.03	-135	
3Q16	6.81	22.19	1.280	9.21	0.09	-95	
MW-23							
1Q15	6.69	16.88	1.168	20.72	0.00	-92	Added to Interim GW Monitoring Program 1Q15
2Q15	6.82	19.15	0.943	8.16	0.00	-111	
3Q15	6.75	18.81	1.096	20.33	0.00	-115	
4Q15	6.62	19.04	1.211	0.47	0.05	-98	
1Q16	6.66	16.86	1.212	25.28	0.05	-94	
2Q16	6.65	17.54	1.201	19.93	0.05	-134	
3Q16	6.78	20.46	1.077	20.76	0.02	-113	

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TABLE 2a
SUMMARY OF MAIN AQUIFER GROUNDWATER MONITORING WELL FIELD PARAMETERS

WELL ID & EVENT	pH	Temp (C)	Specific Cond (mS/cm)	Turbidity (NTUs)	DO (mg/L)	ORP (mV)	General Notes
MW-24							
4Q13	6.75	18.59	1.371	9.32	1.62	74	
1Q14	6.75	16.98	1.338	8.15	0.08	91	
2Q14	6.69	18.35	1.264	1.63	1.34	98	
3Q14	6.79	19.63	*	7.14	1.03	132	
4Q14	6.81	19.40	1.321	7.42	1.89	146	
1Q15	6.88	16.76	1.340	1.60	0.97	67	
2Q15	6.85	18.63	1.374	1.21	0.24	100	
3Q15	6.86	18.93	1.383	17.98	1.00	-107	
4Q15	6.83	22.02	1.398	0.00	4.73	134	
1Q16	6.78	16.61	1.538	5.06	0.82	109	
2Q16	6.84	17.98	1.793	11.30	1.92	102	
3Q16	6.98	19.99	1.164	5.73	0.53	97	
MW-25							
4Q14	6.73	20.05	1.786	20.33	0.00	-98	Added to Interim GW Monitoring Program 4Q14
1Q15	6.83	17.88	1.759	9.14	0.00	-86	
2Q15	6.94	18.87	1.945	4.87	0.00	-69	
3Q15	6.79	20.10	1.280	12.85	0.00	-0.11	
4Q15	6.79	19.39	1.337	12.26	0.02	-96	
1Q16	6.37	19.02	1.100	*	0.02	-89	
2Q16	6.93	20.48	1.299	10.24	0.04	-132	
3Q16	7.14	20.30	1.102	6.31	0.00	-135	
MW-26							
4Q14	6.81	19.62	1.023	9.02	0.06	53	Added to Interim GW Monitoring Program 4Q14
1Q15	6.73	17.24	0.841	8.43	0.16	166	
2Q15	6.90	19.04	1.036	0.00	0.10	89	
3Q15	6.84	18.46	0.947	4.19	0.19	184	
4Q15	7.00	21.58	0.914	0.34	0.84	294	
1Q16	6.82	17.87	1.305	25.15	0.29	63	
2Q16	6.88	17.83	1.162	5.78	0.17	70	
3Q16	6.83	20.95	1.155	31.29	0.28	200	
MW-27							
4Q14	6.74	18.71	1.322	7.04	1.11	-62	Added to Interim GW Monitoring Program 4Q14
1Q15	6.89	15.73	1.176	8.67	2.45	-22	
2Q15	6.84	18.94	1.130	22.35	0.43	77	
3Q15	6.82	19.25	1.144	26.42	1.49	11	
4Q15	6.70	19.13	1.085	2.26	0.60	34	
1Q16	6.84	17.44	1.105	11.90	0.66	-4	
2Q16	6.82	16.27	1.125	12.26	0.10	-38	
3Q16	6.91	18.99	0.933	21.55	1.57	-52	
MW-28							
4Q14	6.75	18.72	1.420	8.32	0.00	-95	Added to Interim GW Monitoring Program 4Q14
1Q15	6.70	16.96	2.112	5.76	0.01	-75	
2Q15	6.64	18.28	2.240	1.68	0.00	-100	
3Q15	6.57	20.80	2.785	22.65	0.00	-91	
4Q15	6.62	19.68	2.308	0.00	0.12	69	
1Q16	6.71	18.64	2.592	8.98	0.03	0.00	
2Q16	6.70	17.97	2.266	5.11	0.02	34	
3Q16	6.65	19.51	1.892	19.22	0.00	137	

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TABLE 2a
SUMMARY OF MAIN AQUIFER 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-54							
4Q13	6.80	18.09	1.475	6.74	2.46	68	
1Q14	6.74	16.08	1.147	7.53	1.40	108	
2Q14	6.69	17.89	1.065	2.80	2.28	140	
3Q14	6.81	19.11	*	1.04	2.50	117	
4Q14	6.76	18.30	1.432	4.50	2.79	173	
1Q15	6.89	15.57	1.339	8.49	3.85	100	
2Q15	6.79	17.29	1.465	11.72	1.96	146	
3Q15	6.87	18.33	1.256	10.69	4.84	135	
4Q15	6.81	17.71	1.193	1.45	3.89	111	
1Q16	6.92	14.29	1.250	7.21	4.72	77	
2Q16	6.81	16.52	1.229	7.40	5.39	233	
3Q16	7.03	18.86	1.080	11.23	5.69	116	
P-55R							
4Q13	6.87	21.40	0.950	3.17	0.03	-115	
1Q14	NM	NM	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.
2Q14	NM	NM	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.
3Q14	NM	NM	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.
4Q14	NM	NM	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.
1Q15	NM	NM	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.
2Q15	NM	NM	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.
3Q15	NM	NM	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.
4Q15	NM	NM	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.
1Q16	NM	NM	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.
2Q16	NM	NM	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.
3Q16	NM	NM	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.
P-56							
4Q13	6.63	24.88	1.319	1.79	0.01	-91	
1Q14	6.66	21.79	1.248	1.13	0.05	-100	
2Q14	6.68	20.97	1.227	1.79	0.00	-92	
3Q14	6.66	25.62	*	8.34	0.04	-107	
4Q14	6.65	23.68	1.243	6.14	0.00	-110	
1Q15	6.75	21.54	1.445	17.99	0.04	-112	
2Q15	6.65	22.76	1.411	1.42	0.00	-102	
3Q15	6.79	24.25	1.709	6.80	0.05	-180	
4Q15	6.85	23.88	2.069	20.89	0.01	-121	
1Q16	6.81	18.90	1.641	38.50	0.00	-127	
2Q16	6.93	22.69	1.996	30.25	0.00	-145	
3Q16	7.08	22.75	1.874	7.47	0.00	-287	
P-57							
4Q13	6.60	21.55	1.284	4.52	0.00	-120	
1Q14	6.66	20.29	1.271	9.67	0.00	-178	
2Q14	6.61	21.26	1.309	19.65	0.04	-106	
3Q14	6.63	23.22	*	9.69	0.00	-108	
4Q14	6.62	21.75	1.414	8.91	0.00	-120	
1Q15	6.65	21.28	1.207	20.64	0.00	-85	
2Q15	6.58	22.71	1.319	1.80	0.08	-93	
3Q15	6.65	23.79	1.693	2.14	0.00	-0.13	
4Q15	6.52	25.05	1.810	4.08	0.15	-103	
1Q16	6.47	20.45	1.422	*	0.05	-106	
2Q16	6.76	24.03	1.608	6.43	0.01	-135	
3Q16	6.92	24.53	1.563	3.80	0.00	-159	

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 2a
SUMMARY OF MAIN AQUIFER 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-58							
4Q13	6.52	19.70	1.430	6.70	0.02	-84	
1Q14	6.55	18.92	1.201	8.00	0.04	-163	
2Q14	6.53	19.72	1.187	11.10	0.11	-65	
3Q14	6.60	22.73	*	7.88	0.02	-86	
4Q14	6.58	21.05	1.441	6.77	0.00	-89	
1Q15	6.47	19.54	1.511	3.21	0.00	-56	
2Q15	6.47	21.90	1.519	4.53	0.09	-48	
3Q15	6.52	26.26	1.719	3.29	0.00	-0.11	
4Q15	6.47	22.79	1.693	2.59	0.08	-91	
1Q16	6.38	19.13	1.281	*	0.03	-91	
2Q16	6.61	24.46	2.012	16.95	0.00	-110	
3Q16	6.63	24.94	2.160	10.60	0.00	-124	
P-59							
4Q13	6.63	20.31	1.318	4.96	0.00	-96	
1Q14	6.57	17.87	1.486	11.88	0.04	-203	
2Q14	6.61	18.96	1.514	17.69	0.18	-92	
3Q14	6.61	23.29	*	6.10	0.00	-105	
4Q14	6.62	21.78	1.361	8.52	0.00	-103	
1Q15	6.58	21.25	1.580	9.89	0.02	-98	
2Q15	6.62	24.48	1.476	9.55	0.05	-87	
3Q15	6.71	29.00	1.723	17.21	0.00	-0.14	
4Q15	6.54	26.13	1.773	0.96	0.04	-114	
1Q16	6.50	21.82	1.350	*	0.06	-100	
2Q16	6.59	27.97	1.498	3.74	0.01	-134	
3Q16	6.67	29.15	1.878	10.43	0.00	-150	
P-66							
4Q13	6.46	20.11	1.429	13.42	0.02	-82	
1Q14	6.44	18.56	1.221	9.76	0.04	-87	
2Q14	6.45	21.06	1.203	7.90	0.00	-83	
3Q14	6.58	22.67	1.065	7.24	0.07	-89	
4Q14	6.50	19.76	1.098	10.97	0.00	-86	
1Q15	6.61	19.11	1.164	35.14	0.03	-74	
2Q15	6.50	20.30	1.058	7.24	0.01	-69	
3Q15	6.50	19.84	0.979	5.92	0.07	-0.09	
4Q15	6.43	21.10	1.201	4.27	0.16	-83	
1Q16	6.45	18.92	1.035	*	0.00	-78	
2Q16	6.48	20.88	1.201	9.19	0.00	-106	
3Q16	6.59	24.88	1.283	8.94	0.01	-260	
P-68							
4Q13	NM	NM	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.
1Q14	NM	NM	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.
2Q14	NM	NM	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.
3Q14	NM	NM	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.
4Q14	NM	NM	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.
1Q15	NM	NM	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.
2Q15	NM	NM	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.
3Q15	NM	NM	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.
4Q15	NM	NM	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.
1Q16	NM	NM	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.
2Q16	NM	NM	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.
3Q16	NM	NM	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 2a
SUMMARY OF MAIN AQUIFER 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-74							
4Q13	6.68	18.27	0.447	19.33	0.00	-81	
1Q14	6.61	16.61	0.686	14.25	0.00	-103	
2Q14	7.36	16.48	0.316	10.22	4.52	-3	
3Q14	6.84	20.10	0.260	9.50	0.06	-133	
4Q14	7.26	18.44	0.165	9.64	7.10	68	
1Q15	6.60	17.61	0.691	5.70	0.00	-129	
2Q15	7.49	19.23	1.885	5.99	3.60	-15	
3Q15	7.02	22.91	0.145	26.68	7.56	0.14	
4Q15	6.37	20.62	0.374	0.00	0.15	-69	
1Q16	7.82	8.66	0.898	5.01	11.96	38	
2Q16	7.07	19.67	0.183	16.93	0.00	-51	
3Q16	6.94	21.04	0.171	8.45	0.01	-286	
P-93A							
4Q13	7.15	26.33	1.618	72.75	5.89	-50	
1Q14	6.99	19.48	1.872	24.97	4.65	-74	
2Q14	7.02	20.74	2.104	18.21	4.97	-60	
3Q14	6.87	21.30	*	10.96	4.31	-50	
4Q14	6.77	20.15	1.949	9.66	3.50	-56	
1Q15	6.84	18.54	1.953	5.56	0.04	-111	
2Q15	6.73	21.51	1.599	9.30	0.18	-7	
3Q15	6.71	22.11	1.620	16.25	0.01	-0.06	
4Q15	6.68	20.18	1.677	16.30	0.17	-3	
1Q16	6.45	17.36	1.489	*	0.22	-21	
2Q16	6.68	20.38	1.733	4.87	0.20	-12	
3Q16	6.77	21.63	1.795	1.59	0.01	103	
P-93B							
4Q13	6.85	18.53	1.928	9.70	1.75	-0.10	
1Q14	6.84	15.74	1.605	4.53	1.62	-87	
2Q14	6.93	18.96	1.454	3.43	3.47	-76	
3Q14	6.88	20.02	*	9.67	0.98	-108	
4Q14	6.87	18.71	1.642	2.85	0.18	-115	
1Q15	6.89	15.29	1.583	3.04	0.67	-94	Initial sample
	6.91	15.48	1.651	4.58	0.02	-105	Confirmation sample
2Q15	6.82	18.50	1.399	14.68	2.13	-93	
3Q15	6.88	18.65	1.420	0.75	0.04	-0.12	
4Q15	6.93	19.48	1.397	91.70	0.37	-93	
1Q16	6.82	17.15	1.268	*	0.07	-110	
2Q16	6.89	18.15	1.553	10.49	1.31	-120	
3Q16	6.89	19.50	1.448	3.64	0.53	-114	
P-93C							
4Q13	6.91	18.92	1.366	0.28	0.87	-82	
1Q14	6.94	15.83	1.298	0.12	1.88	-67	
2Q14	6.89	18.31	1.308	4.81	0.95	-57	
3Q14	6.92	19.88	*	2.59	2.03	-74	
4Q14	6.91	18.37	1.320	8.93	0.00	-81	
1Q15	6.90	18.02	1.377	73.30	0.00	-104	Initial sample
	7.04	16.91	1.289	4.15	0.10	-190	Confirmation Sample
2Q15	7.19	20.18	1.144	0.45	0.06	-83	
3Q15	7.02	21.17	1.221	0.41	0.00	-0.18	
4Q15	6.87	20.38	1.262	0.69	0.20	-93	
1Q16	6.87	17.91	1.193	*	1.95	-93	
2Q16	7.06	19.69	1.115	12.53	0.00	-99	
3Q16	7.01	20.10	1.235	51.32	0.01	-241	

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 2a
SUMMARY OF MAIN AQUIFER 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-93D							
4Q13	6.98	20.50	1.467	0.43	0.00	-103	
1Q14	6.93	17.14	1.378	0.58	0.04	-274	
2Q14	6.97	17.61	1.378	4.61	0.00	-103	
3Q14	7.01	20.51	*	5.34	0.00	-127	
4Q14	6.91	18.72	1.725	5.38	0.00	-99	
1Q15	6.92	17.30	1.424	6.10	0.05	-122	Initial sample
	6.98	17.38	1.573	7.01	0.00	-90	Confirmation sample
2Q15	6.99	16.10	1.931	48.24	0.82	-89	
3Q15	7.04	18.98	1.405	0.60	0.20	-0.16	
4Q15	7.08	19.30	1.568	2.17	0.09	-194	
1Q16	6.87	16.45	1.403	*	0.18	-98	
2Q16	7.08	17.84	1.617	7.95	0.16	-224	
3Q16	7.21	18.93	1.455	3.07	0.01	-142	
P-114R (P-114)							
4Q13	7.16	20.73	1.191	15.82	2.36	-95	
1Q14	7.13	18.07	1.228	47.51	2.25	-86	
2Q14	7.36	20.07	1.245	18.06	1.85	-91	
3Q14	7.98	22.69	*	8.46	3.54	-110	
4Q14	7.30	20.31	1.382	29.21	2.65	-112	
1Q15	7.26	18.07	1.228	384.90	2.94	-94	
2Q15	6.97	20.49	1.224	74.05	2.30	-83	
3Q15	7.31	19.52	1.177	33.39	2.40	-0.10	
4Q15	6.81	21.19	1.256	4.26	0.03	-146	Well replaced during 3Q15
1Q16	6.86	19.48	0.842	*	0.02	-129	
2Q16	6.68	19.47	1.527	7.43	0.00	-145	
3Q16	6.82	22.88	1.115	8.81	0.00	-295	
ROST-3-MW							
4Q13	6.89	18.00	0.915	8.72	0.00	-111	
1Q14	6.95	16.14	0.939	9.80	0.00	-116	
2Q14	6.89	18.62	0.974	5.54	0.00	-127	
3Q14	6.88	19.20	*	9.54	0.00	-128	
4Q14	6.83	18.00	1.127	7.26	0.00	-117	
1Q15	6.92	16.56	1.151	4.72	0.01	-118	
2Q15	6.82	17.70	1.152	5.33	0.04	-123	
3Q15	6.95	18.83	1.373	12.56	0.00	-130	
4Q15	6.77	18.58	1.219	2.22	0.07	-118	
1Q16	6.90	17.72	1.239	7.09	0.00	-100	
2Q16	6.68	17.29	1.711	11.39	0.00	-93	
3Q16	6.75	19.03	1.406	8.68	0.13	-103	
ROST-4-PZ(C)							
4Q13	6.69	18.87	1.769	5.71	0.00	-119	
1Q14	6.64	17.08	1.888	3.68	0.01	-79	
2Q14	6.61	20.07	2.351	5.94	0.09	-80	
3Q14	6.78	19.88	*	5.00	0.01	-104	
4Q14	6.75	19.09	1.662	5.57	0.00	-114	
1Q15	6.72	16.56	2.578	5.92	0.07	-101	
2Q15	6.77	19.34	2.204	0.00	0.06	-165	
3Q15	6.87	19.64	2.232	11.48	0.00	-125	
4Q15	6.90	19.49	2.211	2.41	0.02	-113	
1Q16	7.02	17.91	1.971	9.64	0.00	-155	
2Q16	7.14	18.50	1.907	19.38	0.03	-178	
3Q16	7.12	20.30	1.553	6.54	0.10	-174	

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 2a
SUMMARY OF MAIN AQUIFER GROUNDWATER MONITORING WELL FIELD PARAMETERS

WELL ID & EVENT	pH	Temp (C)	Specific Cond (mS/cm)	Turbidity (NTUs)	DO (mg/L)	ORP (mV)	General Notes
T-12							
4Q13	6.65	19.39	1.324	6.84	0.00	-97	
1Q14	6.91	16.38	1.183	1.47	0.03	-111	
2Q14	6.94	17.65	1.176	6.70	0.00	-128	
3Q14	6.85	21.13	*	3.45	0.01	-128	
4Q14	6.82	20.43	1.123	4.23	0.00	-125	
1Q15	6.78	19.19	1.126	4.19	0.03	-103	
2Q15	6.76	20.42	1.079	1.51	0.00	-107	
3Q15	6.75	22.31	0.943	1.77	0.04	-0.12	
4Q15	6.64	23.19	1.232	0.91	0.09	-125	
1Q16	6.47	19.69	0.995	*	0.13	-101	
2Q16	6.82	24.20	1.227	4.24	0.00	-147	
3Q16	6.90	26.05	1.206	7.74	0.00	-280	

NOTES:

1) Field parameters were collected using an In-Situ Troll 9500.

2) NM = Not Measured

3) * = Equipment malfunction. Results are suspect.

4) Negative parameter readings for Turbidity and DO are recorded as zero.

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							
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.
2Q16	NM	NM	NM	NM	NM	NM	Well is dry.
3Q16	NM	NM	NM	NM	NM	NM	Well is dry.
P-60-13S							
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
2Q16	NM	NM	NM	NM	NM	NM	Slow recharge prevented sampling per the SOP
3Q16	NM	NM	NM	NM	NM	NM	Slow recharge prevented sampling per the SOP
ROST-5-PZ							
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.
2Q16	NM	NM	NM	NM	NM	NM	Well is dry.
3Q16	NM	NM	NM	NM	NM	NM	Well is dry.
ROST-7-PZ							
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
2Q16	NM	NM	NM	NM	NM	NM	Slow recharge prevented sampling per the SOP
3Q16	NM	NM	NM	NM	NM	NM	Slow recharge prevented sampling per the SOP
ROST-10-PZ							
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.
2Q16	NM	NM	NM	NM	NM	NM	Well is dry.
3Q16	NM	NM	NM	NM	NM	NM	Well is dry.
ROST-21-PZ							
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
2Q16	NM	NM	NM	NM	NM	NM	Slow recharge prevented sampling per the SOP
3Q16	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	2-Butanone	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	4-Chlorotoluene	Cymene (p-Isopropyltoluene)	1,2-Dibromo-3-chloropropane (DBCP)	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,1-Dichloroethane	Dichloromethane (Methylene chloride)	1,2-Dichloropropane	trans-1,3-Dichloropropene
				Screening Values (mg/L)		6.3 [1]	0.005 [1]	0.056 [3]	4.2 [1]	0.35 [3]	0.7 [3]	0.7 [3]	0.7 [1]	0.005 [1]	0.100 [1]		0.07 [1]				0.0002 [1]	0.6 [2]		0.075 [2]	1.4 [1]	0.005 [2]	0.005 [2]	0.001 [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-100313	10/3/2013	48.80 - 58.80	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000031	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	MW1-ROX-010816	1/8/2016		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	<0.00003	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	MW1-ROX-041216	4/12/2016		40.35	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	<0.000029	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	MW1-ROX-071416	7/14/2016	48.80 - 58.80	39.43	NE	<0.025	0.00063 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	<0.000029	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
MW-02	MW2-ROX-100813	10/8/2013	49.87 - 59.87	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000015	<0.001	<0.001	<0.001	0.0043	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.002	<0.002	<0.002	<0.002	<0.004	<0.004	<0.001
	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	<0.000015	0.0008 J	0.00084 J	0.00099 J	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000041	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.01
	MW2-ROX-011416	1/14/2016		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	<0.000029	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.01
	MW2-ROX-041316	4/13/2016		41.59	NE	0.028 J	0.017	<0.002	0.019 J	<0.002	0.0078	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.0087	<0.00003	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.01
	MW2-ROX-071416	7/14/2016	49.87 - 59.87	40.79	NE	<0.05	0.012	<0.002	<0.05	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.0066	<0.000031 UJ	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.01
MW-03	MW3-ROX-100813	10/8/2013	34.67 - 44.67	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000029	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	MW3-ROX-010716	1/7/2016		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	<0.000029	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	MW3-ROX-040616	4/6/2016		27.07	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	0.0007 J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	MW3-ROX-070816	7/8/2016	34.67 - 44.67	26.51	NE	0.03	0.00042 J	<0.001	0.0047 J	<0.001	0.00092 J	0.0011	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
MW-04	MW4-ROX-101613	10/16/2013	46.06 - 56.06	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	<0.000015	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.0025
	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	MW4-ROX-071415	7/14/2015		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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	MW4-ROX-101915	10/19/2015	45.06 - 55.06	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	<0.00003	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	MW4-ROX-011316	1/13/2016		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	<0.000029	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	MW4-ROX-041916	4/19/2016		38.50	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	<0.000029	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	MW4-ROX-071416	7/14/2016	45.06 - 55.06	37.85	NE	<0.025	0.0008 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	<0.00003	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						VOCs																				
						Acetone	Benzene	Bromobenzene	2-Butanone	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	4-Chlorotoluene	Cymene (p-Isopropyltoluene)	1,2-Dibromo-3-chloropropane (DBCP)	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,1-Dichloroethane	Dichloromethane (Methylene chloride)	1,2-Dichloropropane	trans-1,3-Dichloropropene
					Screening Values (mg/L)	6.3 [1]	0.005 [1]	0.056 [3]	4.2 [1]	0.35 [3]	0.7 [3]	0.7 [3]	0.7 [1]	0.005 [1]	0.100 [1]		0.07 [1]				0.0002 [1]	0.6 [2]		0.075 [2]	1.4 [1]	0.005 [2]	0.005 [2]	0.001 [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-100813	10/8/2013	33.97 - 43.97	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.00003	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	MW5-ROX-011416	1/14/2016		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	<0.00003	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	MW5-ROX-040616	4/6/2016		26.80	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	0.0016	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	MW5-ROX-070816	7/8/2016	33.97 - 43.97	26.28	NE	0.011 J	<0.001	<0.001	<0.025	<0.001	<0.001	0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
MW-06A	MW6A-ROX-100713	10/7/2013	34.83 - 44.83	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000029	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	MW6A-ROX-011116	1/11/2016		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	<0.000029	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	MW6A-ROX-040716	4/7/2016		29.07	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	<0.000029	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	MW6A-ROX-071116	7/11/2016	34.83 - 44.83	28.45	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	<0.000029	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
MW-06B	MW6B-ROX-100713	10/7/2013	64.05 - 69.05	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000033	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	MW6B-ROX-011116	1/11/2016		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	<0.00003	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	MW6B-ROX-040716	4/7/2016		29.11	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	<0.000029	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	MW6B-ROX-071116	7/11/2016	64.05 - 69.05	28.49	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	<0.000029	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						VOCs																				
						Acetone	Benzene	Bromobenzene	2-Butanone	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	4-Chlorotoluene	Cymene (p-Isopropyltoluene)	1,2-Dibromo-3-chloropropane (DBCP)	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,1-Dichloroethane	Dichloromethane (Methylene chloride)	1,2-Dichloropropane	trans-1,3-Dichloropropene
					Screening Values (mg/L)	6.3 [1]	0.005 [1]	0.056 [3]	4.2 [1]	0.35 [3]	0.7 [3]	0.7 [3]	0.7 [1]	0.005 [1]	0.100 [1]		0.07 [1]				0.0002 [1]	0.6 [2]		0.075 [2]	1.4 [1]	0.005 [2]	0.005 [2]	0.001 [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-100713	10/7/2013	84.95 - 89.95	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.00003	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	MW6C-ROX-010816	1/8/2016		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	<0.00003	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	MW6C-ROX-040716	4/7/2016		28.91	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	<0.000029	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	MW6C-ROX-071116	7/11/2016	84.95 - 89.95	28.30	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	<0.00003	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
MW-06D	MW6D-ROX-100713	10/7/2013	104.72 - 109.72	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000029	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	MW6D-ROX-010816	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	<0.000031	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	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	<0.00003	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	MW6D-ROX-040716	4/7/2016		28.76	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	<0.000029	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	MW6D-ROX-040716-DUP	4/7/2016		28.76	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	<0.000029	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	MW6D-ROX-071116	7/11/2016	104.72 - 109.72	28.16	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	<0.000031	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	MW6D-ROX-071116-DUP	7/11/2016		28.16	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	<0.000029	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						VOCs																				
						Acetone	Benzene	Bromobenzene	2-Butanone	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	4-Chlorotoluene	Cymene (p-Isopropyltoluene)	1,2-Dibromo-3-chloropropane (DBCP)	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,1-Dichloroethane	Dichloromethane (Methylene chloride)	1,2-Dichloropropane	trans-1,3-Dichloropropene
				Screening Values (mg/L)		6.3 [1]	0.005 [1]	0.056 [3]	4.2 [1]	0.35 [3]	0.7 [3]	0.7 [3]	0.7 [1]	0.005 [1]	0.100 [1]		0.07 [1]				0.0002 [1]	0.6 [2]		0.075 [2]	1.4 [1]	0.005 [2]	0.005 [2]	0.001 [2]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																						
MW-07	MW7-ROX-101613	10/16/2013	42.92 - 52.92	40.64	NE	<20	553	<10	<10	<10	<10	<10	<10	<2	<2	<4	<2	<4	<10	<10	<0.000015	<2	<2	<2	<2	<4	<4	<1
	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	<0.000015	<2.5	<2.5	<2.5	<2.5	<5	<5	<1.3
	MW7-ROX-041614	4/16/2014		43.79	NE	<50	1390	<25	<25	<25	<25	<25	<25	<5	<5	<10	<5	<10	<25	<25	<0.000015	<5	<5	<5	<5	<10	<10	<2.5
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	MW7-ROX-101614	10/16/2014		41.31	NE	<50	1130	<25	<25	<25	<25	<25	<25	<5	<5	<10	<5	<10	<25	<25	<0.000014	<5	<5	<5	<5	<10	<10	<2.5
	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	<0.000014	<5	<5	<5	<5	<10	<10	<2.5
	MW7-ROX-012215	1/22/2015		43.45	NE	<10	821	<5	<5	<5	<5	<5	<5	<1	<1	<2	<1	<2	<5	<5	<0.000014	<1	<1	<1	<1	<2	<2	<0.5
	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	<0.000015	<1	<1	<1	<1	<2	<2	<0.5
	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	<0.000014	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1	<0.025
	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	<0.000014	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1	<0.025
	MW7-ROX-071515	7/15/2015		43.54	NE	<50	1300	<25	<25	<25	<25	<25	<25	<5	<5	<10	<5	<10	<25	<25	<0.000014	<5	<5	<5	<5	<10	<10	<2.5
	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	<0.000014	<5	<5	<5	<5	<10	<10	<2.5
	MW7-ROX-101915	10/19/2015		41.43	NE	<250	1000	<10	<250	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.000029	<10	<10	<10	<10	<50	<10	<50
	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	<0.000029	<10	<10	<10	<10	<50	<10	<50
	MW7-ROX-011416	1/14/2016		41.02	NE	<130	740	<5	<130	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.000029	<5	<5	<5	<5	<25	<5	<25
	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	<0.000029	<5	<5	<5	<5	<25	<5	<25
	MW7-ROX-041916	4/19/2016		40.68	NE	<50	1100	<2	<50	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<0.000029	<2	<2	<2	<2	<10	<2	<10
	MW7-ROX-041916-DUP	4/19/2016		40.68	NE	<50	1100	<2	<50	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<0.000029	<2	<2	<2	<2	<10	<2	<10
	MW7-ROX-071416	7/14/2016	42.92 - 52.92	39.99	NE	<130	670	<5	<130	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.000029	<5	<5	<5	<5	<25	<5	<25
	MW7-ROX-071416-DUP	7/14/2016		39.99	NE	<130	680	<5	<130	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.000029	<5	<5	<5	<5	<25	<5	<25
MW-08	MW8-ROX-101613	10/16/2013	33.60 - 43.60	31.59	NE	<20	360	<10	<10	<10	<10	<10	<10	<2	<2	<4	<2	<4	<10	<10	<0.000015	<2	<2	<2	<2	<4	<4	<1
	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	<0.000015	<2	<2	<2	<2	<4	<4	<1
	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	<0.000014	<2.5	<2.5	<2.5	<2.5	<5	<5	<1.3
	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	<0.000015	<2.5	<2.5	<2.5	<2.5	<5	<5	<1.3
	MW8-ROX-041614	4/16/2014		34.73	NE	<20	862	<10	<10	<10	<10	<10	<10	<2	<2	<4	<2	<4	<10	<10	<0.000014	<2	<2	<2	<2	<4	<4	<1
	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	<0.000015	<2	<2	<2	<2	<4	<4	<1
	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	<0.000014 UJ	<0.001 UJ	<0.001 UJ	<0.001 UJ	<0.001 UJ	<0.002 UJ	<0.002 UJ	<0.0005 UJ
	MW8-ROX-101614	10/16/2014		32.23	NE	<10	486	<5	<5	<5	<5	<5	<5	<1	<1	<2	<1	<2	<5	<5	<0.000015	<1	<1	<1	<1	<2	<2	<0.5
	MW8-ROX-012215	1/22/2015		34.22	NE	<10	764	<5	<5	<5	<5	<5	<5	<1	<1	<2	<1	<2	<5	<5	<0.000015	<1	<1	<1	<1	<2	<2	<0.5
	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	<0.000014	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1	<0.025
	MW8-ROX-071515	7/15/2015		34.07	NE	<50	879	<25	<25	<25	<25	<25	<25	<5	<5	<10	<5	<10	<25	<25	<0.000014	<5	<5	<5	<5	<10	<10	<2.5
	MW8-ROX-101915	10/19/2015		32.30	NE	<130	580	<5	<130	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.00003	<5	<5	<5	<5	<25	<5	<25
	MW8-ROX-011416	1/14/2016		31.79	NE	<50	300	<2	<50	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<0.00003	<2	<2	<2	<2	<10	<2	<10
	MW8-ROX-041916	4/19/2016		31.45	NE	<25	480	<1	<25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.00003	<1	<1	<1	<1	<5	<1	<5
	MW8-ROX-071416	7/14/2016	33.60 - 43.60	30.80	NE	<50	310	<2	<50	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<0.00003	<2	<2	<2	<2	<10	<2	<10
MW-09	MW9-ROX-100313	10/3/2013	46.45 - 56.45	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.00003	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	MW9-ROX-011316	1/13/2016		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	<0.000031	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	MW9-ROX-041216	4/12/2016		41.98	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	<0.00003	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	MW9-ROX-071316	7/13/2016	46.45 - 56.45	40.93	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	<0.000029	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005

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SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						VOCs																				
						Acetone	Benzene	Bromobenzene	2-Butanone	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	4-Chlorotoluene	Cymene (p-Isopropyltoluene)	1,2-Dibromo-3-chloropropane (DBCP)	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,1-Dichloroethane	Dichloromethane (Methylene chloride)	1,2-Dichloropropane	trans-1,3-Dichloropropene
			Screening Values (mg/L)			6.3 [1]	0.005 [1]	0.056 [3]	4.2 [1]	0.35 [3]	0.7 [3]	0.7 [3]	0.7 [1]	0.005 [1]	0.100 [1]		0.07 [1]				0.0002 [1]	0.6 [2]		0.075 [2]	1.4 [1]	0.005 [2]	0.005 [2]	0.001 [2]
Location	**Sample ID**	**Sample Date**	**Screened Interval (ft btoc)**	**Depth to Water (ft btoc)**	**Product Thickness (ft)**	**Analytical Results (mg/L)**																				
MW-10	MW10-ROX-100313	10/3/2013	44.43 - 54.43	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000029	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	MW10-ROX-011316	1/13/2016		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	<0.000032	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	MW10-ROX-041116	4/11/2016		41.88	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	<0.000031	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	MW10-ROX-071316	7/13/2016	44.43 - 54.43	41.00	NE	<0.025	0.0006 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	<0.000029	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
MW-11	MW11-ROX-100713	10/7/2013	41.66 - 51.66	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000029	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	MW11-ROX-011216	1/12/2016		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	<0.000029	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	MW11-ROX-041116	4/11/2016		39.49	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	<0.000031	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	MW11-ROX-071316	7/13/2016	41.66 - 51.66	38.59	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	<0.000029	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
MW-12	MW12-ROX-100713	10/7/2013	41.92 - 51.92	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.00003	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	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	<0.000029	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	MW12-ROX-011116	1/11/2016		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	<0.000031	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	MW12-ROX-040716	4/7/2016		39.82	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	<0.00003	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	MW12-ROX-071216	7/12/2016	41.92 - 51.92	38.89	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	<0.000029	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
MW-13	MW13-ROX-100913	10/9/2013	25.57 - 35.57	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.00003	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	MW13-ROX-010716	1/7/2016		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	<0.00003	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	MW13-ROX-040816	4/8/2016		26.81	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	<0.000029	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	MW13-ROX-071116	7/11/2016	25.57 - 35.57	26.01	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	<0.000029	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						VOCs																				
						Acetone	Benzene	Bromobenzene	2-Butanone	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	4-Chlorotoluene	Cymene (p-Isopropyltoluene)	1,2-Dibromo-3-chloropropane (DBCP)	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,1-Dichloroethane	Dichloromethane (Methylene chloride)	1,2-Dichloropropane	trans-1,3-Dichloropropene
			Screening Values (mg/L)			6.3 [1]	0.005 [1]	0.056 [3]	4.2 [1]	0.35 [3]	0.7 [3]	0.7 [3]	0.7 [1]	0.005 [1]	0.100 [1]		0.07 [1]				0.0002 [1]	0.6 [2]		0.075 [2]	1.4 [1]	0.005 [2]	0.005 [2]	0.001 [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-101013	10/10/2013	33.42 - 43.42	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000031	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	MW-14-ROX-010816	1/8/2016		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	<0.000028	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	MW14-ROX-041416	4/14/2016		31.32	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	<0.000029	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	MW14-ROX-071116	7/11/2016	33.42 - 43.42	30.59	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	<0.000029	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
MW-16	MW16-ROX-100813	10/8/2013	37.06 - 47.06	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.00003	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	MW16-ROX-011216	1/12/2016		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	<0.00003	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	MW16-ROX-040816	4/8/2016		41.17	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	<0.00003	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	MW16-ROX-071216	7/12/2016	37.06 - 47.06	39.93	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	<0.000029	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
MW-22	MW22-ROX-100913	10/9/2013	37.88 - 47.88	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000015	<0.001	<0.001	<0.001	0.0028	<0.002	<0.002	<0.0005
	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.005
	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	<0.000015	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.02	<0.02	<0.02	<0.02	<0.04	<0.04	<0.01
	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	<0.00003	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.1
	MW22-ROX-011516	1/15/2016		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	<0.000029	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.1
	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	<0.000029	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.1
	MW22-ROX-041316	4/13/2016		39.56	NE	<0.63	1.2	<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	<0.00003	<0.025	<0.025	<0.025	<0.025	<0.13	<0.025	<0.13
	MW22-ROX-041316-DUP	4/13/2016		39.56	NE	<0.63	1.2	<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	<0.000029	<0.025	<0.025	<0.025	<0.025	<0.13	<0.025	<0.13
	MW22-ROX-071516	7/15/2016	37.88 - 47.88	38.97	NE	<0.13	0.061	<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	<0.000031	<0.005	<0.005	<0.005	<0.005	<0.025	<0.005	<0.025
	MW22-ROX-071516-DUP	7/15/2016		38.97	NE	<0.13	0.062	<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	<0.00003	<0.005	<0.005	<0.005	<0.005	<0.025	<0.005	<0.025

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						VOCs																				
						Acetone	Benzene	Bromobenzene	2-Butanone	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	4-Chlorotoluene	Cymene (p-Isopropyltoluene)	1,2-Dibromo-3-chloropropane (DBCP)	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,1-Dichloroethane	Dichloromethane (Methylene chloride)	1,2-Dichloropropane	trans-1,3-Dichloropropene
			Screening Values (mg/L)			6.3 [1]	0.005 [1]	0.056 [3]	4.2 [1]	0.35 [3]	0.7 [3]	0.7 [3]	0.7 [1]	0.005 [1]	0.100 [1]		0.07 [1]				0.0002 [1]	0.6 [2]		0.075 [2]	1.4 [1]	0.005 [2]	0.005 [2]	0.001 [2]
Location	**Sample ID**	**Sample Date**	**Screened Interval (ft btoc)**	**Depth to Water (ft btoc)**	**Product Thickness (ft)**	**Analytical Results (mg/L)**																						
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	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.005	<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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000031	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	MW-23-ROX-010716	1/7/2016		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	<0.00003	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	MW-23-ROX-040616	4/6/2016		27.96	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	<0.000031	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	MW-23-ROX-070816	7/8/2016	29.02 - 39.02	27.54	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	<0.000029	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
MW-24	MW24-ROX-100913	10/9/2013	38.89 - 48.89	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.00003	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	MW24-ROX-011316	1/13/2016		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	<0.00003	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	MW24-ROX-040816	4/8/2016		40.79	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	<0.000029	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	MW24-ROX-071216	7/12/2016	38.89 - 48.89	39.67	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	<0.000031	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
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	<0.000014	<2	<2	<2	<2	<4	<4	<1
	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	<0.000014	<0.25	<0.25	<0.25	<0.25	<0.5	<0.5	<0.13
	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	<0.000014	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1	<0.025
	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	<0.000014	<0.2	<0.2	<0.2	<0.2	<0.4	<0.4	<0.1
	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	<0.000031	<0.1	<0.1	<0.1	<0.1	<0.5	<0.1	<0.5
	MW25-ROX-011416	1/14/2016		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	<0.000029	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.1
	MW25-ROX-041916	4/19/2016		35.67	NE	<0.025	0.99	<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	<0.00003	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	MW25-ROX-071816	7/18/2016	35.59 - 45.59	35.19	NE	<0.25	1.2	<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	<0.000028	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.05
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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000029	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	MW26-ROX-010716	1/7/2016		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	<0.00003	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	MW26-ROX-040616	4/6/2016		38.44	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	<0.000029	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	MW26-ROX-071216	7/12/2016	38.15 - 48.15	37.74	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	<0.000032	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000031	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	MW27-ROX-011316	1/13/2016		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	<0.000031	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	MW27-ROX-041116	4/11/2016		39.73	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	<0.00003	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	MW-27-ROX-071316	7/13/2016	39.79 - 49.79	38.94	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	<0.000029	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						VOCs																				
						Acetone	Benzene	Bromobenzene	2-Butanone	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	4-Chlorotoluene	Cymene (p-Isopropyltoluene)	1,2-Dibromo-3-chloropropane (DBCP)	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,1-Dichloroethane	Dichloromethane (Methylene chloride)	1,2-Dichloropropane	trans-1,3-Dichloropropene
					Screening Values (mg/L)	6.3 [1]	0.005 [1]	0.056 [3]	4.2 [1]	0.35 [3]	0.7 [3]	0.7 [3]	0.7 [1]	0.005 [1]	0.100 [1]		0.07 [1]				0.0002 [1]	0.6 [2]		0.075 [2]	1.4 [1]	0.005 [2]	0.005 [2]	0.001 [2]
Location	**Sample ID**	**Sample Date**	**Screened Interval (ft btoc)**	**Depth to Water (ft btoc)**	**Product Thickness (ft)**	**Analytical Results (mg/L)**																				
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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000029	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	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	<0.00003	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	MW28-ROX-011416	1/14/2016		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	<0.00003	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	MW28-ROX-041216	4/12/2016		39.20	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	<0.000029	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	MW28-ROX-071416	7/14/2016	33.61 - 43.61	38.49	NE	<0.025	0.0098	<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	<0.000031	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
P-54	P54-ROX-100813	10/8/2013	38.00 - 63.00	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000028	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	P54-ROX-011216	1/12/2016		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	<0.000029	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	P54-ROX-041216	4/12/2016		39.42	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	<0.00003	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	P54-ROX-071216	7/12/2016	38.00 - 63.00	38.44	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	<0.000031	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
P-55	P55-ROX-101013	10/10/2013	40.43 - 50.43			<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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
P-56	P56-ROX-101013	10/10/2013	40.82 - 65.82	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	0.001
	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	0.0018 J	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000031	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	P56-ROX-011116	1/11/2016		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	<0.000031	<0.005	<0.005	<0.005	<0.005	<0.005	<0.025	<0.005	<0.025
	P56-ROX-041416	4/14/2016		43.73	NE	<0.13	0.036	<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	<0.00003	<0.005	<0.005	<0.005	<0.005	<0.025	<0.005	<0.025
	P56-ROX-071216	7/12/2016	40.82 - 65.82	42.87	NE	<0.05	0.024	<0.002	<0.05	<0.002	0.0021	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.00003	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.01
P-57	P57-ROX-101413	10/14/2013	40.46 - 65.46	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	P57-ROX-020314	2/3/2014		46.57	NE	<10	261	<5	<5	<5	<5	<5	<5	<1	<1	<2	<1	<2	<5	<5	<0.000015	<1	<1	<1	<1	<2	<2	<0.5
	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014 UJ	<0.001 UJ	<0.001 UJ	<0.001 UJ	<0.001 UJ	<0.002 UJ	<0.002 UJ	<0.0005 UJ
	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	<0.000015 UJ	<0.001 UJ	<0.001 UJ	<0.001 UJ	<0.001 UJ	<0.002 UJ	<0.002 UJ	<0.0005 UJ
	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	<0.000014	<2	<2	<2	<2	<4	<4	<1
	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	<0.000014	<2	<2	<2	<2	<4	<4	<1
	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	<0.000015	<0.5	<0.5	<0.5	<0.5	<1	<1	<0.25
	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	<0.000013	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1	<0.025
	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	<0.000014	<1	<1	<1	<1	<2	<2	<0.5
	P57-ROX-101515	10/15/2015		45.56	NE	<25	140	<1	<25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.000029	<1	<1	<1	<1	<5	<1	<5
	P57-ROX-011216	1/12/2016		45.61	NE	<25	160	<1	<25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.000029	<1	<1	<1	<1	<5	<1	<5
	P57-ROX-041816	4/18/2016		44.80	NE	<6.3	73	<0.25	<6.3	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	0.000054 p	<0.25	<0.25	<0.25	<0.25	<1.3	<0.25	<1.3
	P57-ROX-071316	7/13/2016	44.19 - 54.19	44.20	NE	<13	70	<0.5	<13	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.000029	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<2.5

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						VOCs																			
						Acetone	Benzene	Bromobenzene	2-Butanone	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	4-Chlorotoluene	Cymene (p-Isopropyltoluene)	1,2-Dibromo-3-chloropropane (DBCP)	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,1-Dichloroethane	Dichloromethane (Methylene chloride)	1,2-Dichloropropane	trans-1,3-Dichloropropene
					Screening Values (mg/L)	6.3 [1]	0.005 [1]	0.056 [3]	4.2 [1]	0.35 [3]	0.7 [3]	0.7 [3]	0.7 [1]	0.005 [1]	0.100 [1]		0.07 [1]				0.0002 [1]	0.6 [2]		0.075 [2]	1.4 [1]	0.005 [2]	0.005 [2]	0.001 [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-101413	10/14/2013	40.21 - 65.21	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	P58-ROX-020314	2/3/2014		44.66	NE	<10	496	<5	<5	<5	<5	<5	<5	<1	<1	<2	<1	<2	<5	<5	<0.000015	<1	<1	<1	<1	<2	<2	<0.5
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	P58-ROX-071814	7/18/2014		43.80	NE	<20	406	<10	<10	<10	<10	<10	<10	<2	<2	<4	<2	<4	<10	<10	<0.000014	<2	<2	<2	<2	<4	<4	<1
	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	<0.000014	<0.5	<0.5	<0.5	<0.5	<1	<1	<0.25
	P58-ROX-012315	1/23/2015		45.32	NE	<10	304	<5	<5	<5	<5	<5	<5	<1	<1	<2	<1	<2	<5	<5	<0.000015	<1	<1	<1	<1	<2	<2	<0.5
	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	<0.000016	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.005
	P58-ROX-071415	7/14/2015		45.54	NE	<10	266	<5	<5	<5	<5	<5	<5	<1	<1	<2	<1	<2	<5	<5	<0.000014	<1	<1	<1	<1	<2	<2	<0.5
	P58-ROX-101615	10/16/2015		43.45	NE	<50	430	<2	<50	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<0.000029	<2	<2	<2	<2	<10	<2	<10
	P58-ROX-011316	1/13/2016		43.18	NE	<50	510	<2	<50	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<0.000029	<2	<2	<2	<2	<10	<2	<10
	P58-ROX-041816	4/18/2016		42.68	NE	<25	440	<1	<25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.000028	<1	<1	<1	<1	<5	<1	<5
	P58-ROX-071516	7/15/2016	40.21 - 65.21	42.05	NE	<50	250	<2	<50	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<0.00003	<2	<2	<2	<2	<10	<2	<10
P-59	P59-ROX-101013	10/10/2013	47.91 - 72.91	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000015	<0.02	<0.02	<0.02	<0.02	<0.04	<0.04	<0.01
	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	<0.000015	<0.001	<0.001	<0.001	0.0023	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000015	<0.1	<0.1	<0.1	<0.1	<0.2	<0.2	<0.05
	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	<0.000014	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.005
	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	<0.000014	<0.025	<0.025	<0.025	<0.025	<0.05	<0.05	<0.013
	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	<0.000029	<0.05	<0.05	<0.05	<0.05	<0.25	<0.05	<0.25
	P59-ROX-011216	1/12/2016		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	<0.000029	<0.025	<0.025	<0.025	<0.025	<0.13	<0.025	<0.13
	P59-ROX-041816	4/18/2016		44.28	NE	<0.5	4.9	<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	<0.000031	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.1
	P59-ROX-071316	7/13/2016	47.91 - 72.91	43.67	NE	<0.63	4.2	<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	<0.000029	<0.025	<0.025	<0.025	<0.025	<0.13	<0.025	<0.13
P-66	P66-ROX-101013	10/10/2013	34.72 - 59.72	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.00003	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	P-66-ROX-010816	1/8/2016		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	<0.000028	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	P66-ROX-041516	4/15/2016		34.33	NE	0.015 J	0.0044	<0.001	<0.025	0.0052	0.0088	0.0026	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	P66-ROX-071116	7/11/2016	34.72 - 59.72	33.58	NE	<0.025	0.0037	<0.001	<0.025	0.0071	0.012	0.0028	<0.001	<0.001	0.00054 J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						VOCs																				
						Acetone	Benzene	Bromobenzene	2-Butanone	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	4-Chlorotoluene	Cymene (p-Isopropyltoluene)	1,2-Dibromo-3-chloropropane (DBCP)	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,1-Dichloroethane	Dichloromethane (Methylene chloride)	1,2-Dichloropropane	trans-1,3-Dichloropropene
					Screening Values (mg/L)	6.3 [1]	0.005 [1]	0.056 [3]	4.2 [1]	0.35 [3]	0.7 [3]	0.7 [3]	0.7 [1]	0.005 [1]	0.100 [1]		0.07 [1]				0.0002 [1]	0.6 [2]		0.075 [2]	1.4 [1]	0.005 [2]	0.005 [2]	0.001 [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-101413	10/14/2013	44.43 - 69.43	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000029	<0.005	<0.005	<0.005	<0.005	<0.025	<0.005	<0.025
	P74-ROX-011116	1/11/2016		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	<0.00003	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	P74-ROX-041516	4/15/2016		40.40	NE	0.016 J	0.028	<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	<0.00003	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	P74-ROX-071216	7/12/2016	44.43 - 69.43	39.56	NE	<0.025	0.023	<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	<0.000029	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
P-93A	P93A-ROX-101113	10/11/2013	48.17 - 63.17	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.5	<0.5	<0.5	<0.5	<1	<1	<0.25
	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	<0.000014	<0.5	<0.5	<0.5	<0.5	<1	<1	<0.25
	P93A-ROX-071814	7/18/2014		45.70	NE	<10	170	<5	<5	<5	<5	<5	<5	<1	<1	<2	<1	<2	<5	<5	<0.000015	<1	<1	<1	<1	<2	<2	<0.5
	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	<0.000014	<1	<1	<1	<1	<2	<2	<0.5
	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	<0.000014	<0.5	<0.5	<0.5	<0.5	<1	<1	<0.25
	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	<0.000014	<0.5	<0.5	<0.5	<0.5	<1	<1	<0.25
	P93A-ROX-012715	1/27/2015		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	<0.000019 UJ	<0.001 UJ	<0.001 UJ	<0.001 UJ	<0.001 UJ	<0.005 UJ	<0.001 UJ	<0.001 UJ
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.1	<0.1	<0.1	<0.1	<0.2	<0.2	<0.05
	P93A-ROX-101515	10/15/2015		43.69	NE	<25	260	<1	<25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.00003	<1	<1	<1	<1	<5	<1	<5
	P93A-ROX-101515-DUP	10/15/2015	43.07 - 53.07	43.69	NE	<25	250	<1	<25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.000029	<1	<1	<1	<1	<5	<1	<5
	P-93A-ROX-011216	1/12/2016		43.73	NE	<50	430	<2	<50	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<0.00003	<2	<2	<2	<2	<10	<2	<10
	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	<0.000029	<2	<2	<2	<2	<10	<2	<10
	P93A-ROX-041916	4/19/2016		43.08	NE	<6.3	66	<0.25	<6.3	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.000028	<0.25	<0.25	<0.25	<0.25	<1.3	<0.25	<1.3
	P93A-ROX-041916-DUP	4/19/2016		43.08	NE	<6.3	70	<0.25	<6.3	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.00003	<0.25	<0.25	<0.25	<0.25	<1.3	<0.25	<1.3
	P93A-ROX-071316	7/13/2016	43.07 - 53.07	42.42	NE	<2.5	18	<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	<0.00003	<0.1	<0.1	<0.1	<0.1	<0.5	<0.1	<0.5
	P93A-ROX-071316-DUP	7/13/2016		42.42	NE	<2.5	20	<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	<0.00003	<0.1	<0.1	<0.1	<0.1	<0.5	<0.1	<0.5
P-93B	P93B-ROX-101613	10/16/2013	74.60 - 76.60	44.43	NE	<20	187	<10	<10	<10	<10	<10	<10	<2	<2	<4	<2	<4	<10	<10	<0.000015	<2	<2	<2	<2	<4	<4	<1
	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	<0.000015	<2	<2	<2	<2	<4	<4	<1
	P93B-ROX-012814	1/28/2014		46.58	NE	<10	242	<5	<5	<5	<5	<5	<5	<1	<1	<2	<1	<2	<5	<5	<0.000015	<1	<1	<1	<1	<2	<2	<0.5
	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	<0.000015	<1	<1	<1	<1	<2	<2	<0.5
	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	<0.000015	<0.5	<0.5	<0.5	<0.5	<1	<1	<0.25
	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	<0.000014	<0.5	<0.5	<0.5	<0.5	<1	<1	<0.25
	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	<0.000014 UJ	<0.001 UJ	<0.001 UJ	<0.001 UJ	<0.001 UJ	<0.002 UJ	<0.002 UJ	<0.0005 UJ
	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	<0.000014	<0.5	<0.5	<0.5	<0.5	<1	<1	<0.25
	P93B-ROX-012315	1/23/2015		47.24	NE	<10	564	<5	<5	<5	<5	<5	<5	<1	<1	<2	<1	<2	<5	<5	<0.000014	<1	<1	<1	<1	<2	<2	<0.5
	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	<0.000015	<1	<1	<1	<1	<2	<2	<0.5
	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	<0.000019	<0.5	<0.5	<0.5	<0.5	<2.5	<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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<1	<1	<1	<1	<2	<2	<0.5
	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	<0.000014	<5	<5	<5	<5	<5	<10	<10	<2.5
	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	<0.000014	<2	<2	<2	<2	<4	<4	<1
	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	<0.000032	<2.5	<2.5	<2.5	<2.5	<13	<2.5	<13
	P93B-ROX-011316	1/13/2016		44.96	NE	<25	280	<1	<25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.000029	<1	<1	<1	<1	<5	<1	<5
	P93B-ROX-041916	4/19/2016		44.54	NE	<25	240	<1	<25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.000029	<1	<1	<1	<1	<5	<1	<5
	P93B-ROX-071516	7/15/2016	74.60 - 76.60	43.65	NE	<25	100	<1	<25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.00003	<1	<1	<1	<1	<5	<1	<5

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						VOCs																				
						Acetone	Benzene	Bromobenzene	2-Butanone	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	4-Chlorotoluene	Cymene (p-Isopropyltoluene)	1,2-Dibromo-3-chloropropane (DBCP)	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,1-Dichloroethane	Dichloromethane (Methylene chloride)	1,2-Dichloropropane	trans-1,3-Dichloropropene
				Screening Values (mg/L)		6.3 [1]	0.005 [1]	0.056 [3]	4.2 [1]	0.35 [3]	0.7 [3]	0.7 [3]	0.7 [1]	0.005 [1]	0.100 [1]		0.07 [1]				0.0002 [1]	0.6 [2]		0.075 [2]	1.4 [1]	0.005 [2]	0.005 [2]	0.001 [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-101613	10/16/2013	94.26 - 96.26	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	P93C-ROX-011915	1/19/2015	92.47 - 97.47	48.22	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	<0.000015	<0.1	<0.1	<0.1	<0.1	<0.2	<0.2	<0.05
	P93C-ROX-021915	2/19/2015		48.22	NE	<25	75.4	<1	<5	<1	<1	<1	<2	<1	<1	<2	<1	<2	<1	<1	<0.000019	<1	<1	<1	<1	<5	<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	<0.000014	<0.1	<0.1	<0.1	<0.1	<0.2	<0.2	<0.05
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000029	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	P-93C-ROX-010816	1/8/2016		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	<0.000028	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	P93C-ROX-041816	4/18/2016		44.06	NE	<0.025	0.068	<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	<0.00003	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	P93C-ROX-071216	7/12/2016	92.47 - 97.47	43.37	NE	0.016 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	<0.000031	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
P-93D	P93D-ROX-101113	10/11/2013	125.75 - 127.75	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	0.0044	<0.0005
	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	0.0164	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	0.0079	<0.0005
	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	<0.000015	<0.25	<0.25	<0.25	<0.25	<0.5	<0.5	<0.13
	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	<0.000019	<2.5	<2.5	<2.5	<2.5	<13	<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	<0.000014	<0.1	<0.1	<0.1	<0.1	<0.2	<0.2	<0.05
	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	<0.000014	<0.5	<0.5	<0.5	<0.5	<1	<1	<0.25
	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	<0.00003	<0.1	<0.1	<0.1	<0.1	<0.5	<0.1	<0.5
	P93D-ROX-011316	1/13/2016		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	<0.000033	<0.1	<0.1	<0.1	<0.1	<0.5	<0.1	<0.5
	P93D-ROX-041916	4/19/2016		44.61	NE	<1.3	9.5	<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	<0.000029	<0.05	<0.05	<0.05	<0.05	<0.25	<0.05	<0.25
	P93D-ROX-071516	7/15/2016	125.75 - 127.75	43.83	NE	<0.025	0.086	<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	<0.000029	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
P-114	P114-ROX-101713	10/17/2013	32.67 - 52.67	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	0.0006 J J	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
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	<0.00003	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	P114R-ROX-010716	1/7/2016		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	<0.00003	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	P114R-ROX-040816	4/8/2016		25.65	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	<0.00003	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	P114R-ROX-070816	7/8/2016	23.01 - 33.01	24.92	NE	0.017 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	<0.000031	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005

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TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						VOCs																				
						Acetone	Benzene	Bromobenzene	2-Butanone	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	4-Chlorotoluene	Cymene (p-Isopropyltoluene)	1,2-Dibromo-3-chloropropane (DBCP)	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,1-Dichloroethane	Dichloromethane (Methylene chloride)	1,2-Dichloropropane	trans-1,3-Dichloropropene
				Screening Values (mg/L)		6.3 [1]	0.005 [1]	0.056 [3]	4.2 [1]	0.35 [3]	0.7 [3]	0.7 [3]	0.7 [1]	0.005 [1]	0.100 [1]		0.07 [1]				0.0002 [1]	0.6 [2]		0.075 [2]	1.4 [1]	0.005 [2]	0.005 [2]	0.001 [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	ROST3-MW-ROX-100913	10/9/2013	37.81 - 47.81	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.00003	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	ROST3MW-ROX-011416	1/14/2016		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	<0.00003	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	ROST3MW-ROX-041216	4/12/2016		39.69	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	<0.000029	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	ROST3MW-ROX-071416	7/14/2016	37.81 - 47.81	38.70	NE	<0.025	0.0017	<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	<0.000032	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
ROST-4-PZ(C)	ROST4PZC-ROX-100913	10/9/2013	34.95 - 44.95	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	ROST4PZ-ROX-071315	7/13/2015		42.59	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.00003	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005
	ROST4PZC-ROX-011516	1/15/2016		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	<0.000029	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.01
	ROST4PZC-ROX-041316	4/13/2016		39.61	NE	<0.05	0.05	<0.002	<0.05	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.000029	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.01
	ROST4PZC-ROX-071516	7/15/2016	34.95 - 44.95	38.93	NE	<0.05	0.044	<0.002	<0.05	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.000031	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.01
T-12	T12-ROX-101513	10/15/2013	46.72 - 72.72	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	<0.000015	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.0025
	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.001	<0.001	<0.001	0.0022	<0.002	<0.002	<0.0005
	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	<0.000014	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.005
	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	<0.000015	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.005
	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	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005
	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	<0.000014	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.005
	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	<0.000029	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.05
	T12-ROX-011216	1/12/2016		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	<0.00003	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.05
	T12-ROX-041516	4/15/2016		42.07	NE	<0.13	1.4	<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	<0.00003	<0.005	<0.005	<0.005	<0.005	<0.025	<0.005	<0.025
	T12-ROX-071216	7/12/2016	46.83 - 72.83	41.50	NE	<0.25	1.6	<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	<0.000029	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.05

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						VOCs																				
						Ethylbenzene	Ethyl methacrylate	Hexachlorobutadiene	2-Hexanone (Methyl N-Butyl Ketone)	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	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl acetate	m,p-Xylenes	o-Xylenes	Xylenes (total)
					Screening Values (mg/L)	0.7 [1]		0.007 [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-100313	10/3/2013	48.80 - 58.80	40.28	NE	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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		40.93	NE	<0.001	<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
	MW1-ROX-041216	4/12/2016		40.35	NE	<0.001	<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-071416	7/14/2016	48.80 - 58.80	39.43	NE	<0.001	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	0.0014	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	0.0016 J
MW-02	MW2-ROX-100813	10/8/2013	49.87 - 59.87	41.73	NE	0.942	<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	0.426	<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	0.478	<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	0.955	<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	0.386	<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	0.358	<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	0.547	<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	0.984	<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	0.42	<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		42.04	NE	0.22	<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
	MW2-ROX-041316	4/13/2016		41.59	NE	0.33	<0.002	<0.01	<0.05	0.075	<0.05	<0.002	0.029	0.099	<0.002	<0.002	0.018	<0.002	<0.002	<0.01	<0.002	0.077	0.1	<0.05	0.23	0.017	0.24
	MW2-ROX-071416	7/14/2016	49.87 - 59.87	40.79	NE	0.26	<0.002	<0.01	<0.05	0.079	<0.05	<0.002	0.048	0.095	<0.002	<0.002	0.016	<0.002	<0.002	<0.01	<0.002	0.079	0.1	<0.05	0.16	0.021	0.18
MW-03	MW3-ROX-100813	10/8/2013	34.67 - 44.67	27.38	NE	0.0025	<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	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	0.00039 J	<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	<0.001	<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	0.00039 J	<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	0.0011	<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		27.92	NE	<0.001	<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
	MW3-ROX-040616	4/6/2016		27.07	NE	0.0031	<0.001	<0.005	<0.025	0.014	<0.025	0.0097	<0.001	0.025	<0.001	<0.001	0.039	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.025	0.1	0.006	0.11
	MW3-ROX-070816	7/8/2016	34.67 - 44.67	26.51	NE	0.0012	<0.001	<0.005	<0.025	0.016	<0.025	0.0054	<0.001	0.034	<0.001	<0.001	0.014	<0.001	<0.001	<0.005	<0.001	<0.001	0.00062 J	<0.025	0.076	0.0042 J	0.08
MW-04	MW4-ROX-101613	10/16/2013	46.06 - 56.06	38.80	NE	<0.01	<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	0.00048 J	<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	<0.001	<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	<0.01	<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	<0.005	<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	<0.001	<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	45.06 - 55.06	42.58	NE	0.00051 J	<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		41.30	NE	0.00057 J	<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	<0.001	<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		39.10	NE	0.00066 J	<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
	MW4-ROX-041916	4/19/2016		38.50	NE	<0.001	<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	0.00092 J
	MW4-ROX-071416	7/14/2016	45.06 - 55.06	37.85	NE	<0.001	<0.001	<0.005	<0.025	0.00053 J	<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	0.0016 J

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						VOCs																				
						Ethylbenzene	Ethyl methacrylate	Hexachlorobutadiene	2-Hexanone (Methyl N-Butyl Ketone)	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	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl acetate	m,p-Xylenes	o-Xylenes	Xylenes (total)
			Screening Values (mg/L)			0.7 [1]		0.007 [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-100813	10/8/2013	33.97 - 43.97	26.97	NE	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	0.0005 J	<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	<0.001	<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	0.0012	<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		27.19	NE	<0.001	<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
	MW5-ROX-040616	4/6/2016		26.80	NE	<0.001	<0.001	<0.005	<0.025	0.0019	<0.025	0.007	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.025	0.0025 J	<0.005	0.003 J
	MW5-ROX-070816	7/8/2016	33.97 - 43.97	26.28	NE	<0.001	<0.001	<0.005	<0.025	0.001	<0.025	0.0084	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.025	0.0017 J	<0.005	0.0021 J
MW-06A	MW6A-ROX-100713	10/7/2013	34.83 - 44.83	28.87	NE	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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		29.36	NE	<0.001	<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
	MW6A-ROX-040716	4/7/2016		29.07	NE	<0.001	<0.001	<0.005	<0.025	<0.001	<0.025	0.0043	<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-071116	7/11/2016	34.83 - 44.83	28.45	NE	<0.001	<0.001	<0.005	<0.025	<0.001	<0.025	0.0036	<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-06B	MW6B-ROX-100713	10/7/2013	64.05 - 69.05	28.93	NE	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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		29.41	NE	<0.001	<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
	MW6B-ROX-040716	4/7/2016		29.11	NE	<0.001	<0.001	<0.005	<0.025	<0.001	<0.025	0.0029	<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-071116	7/11/2016	64.05 - 69.05	28.49	NE	<0.001	<0.001	<0.005	<0.025	<0.001	<0.025	0.0019	<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

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						VOCs																				
						Ethylbenzene	Ethyl methacrylate	Hexachlorobutadiene	2-Hexanone (Methyl N-Butyl Ketone)	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	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl acetate	m,p-Xylenes	o-Xylenes	Xylenes (total)
			Screening Values (mg/L)			0.7 [1]		0.007 [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-100713	10/7/2013	84.95 - 89.95	28.72	NE	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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		29.31	NE	<0.001	<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-040716	4/7/2016		28.91	NE	<0.001	<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-071116	7/11/2016	84.95 - 89.95	28.30	NE	<0.001	<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-06D	MW6D-ROX-100713	10/7/2013	104.72 - 109.72	28.58	NE	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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		29.59	NE	<0.001	<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	<0.001	<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-040716	4/7/2016		28.76	NE	<0.001	<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
	MW6D-ROX-040716-DUP	4/7/2016		28.76	NE	<0.001	<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-071116	7/11/2016	104.72 - 109.72	28.16	NE	<0.001	<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
	MW6D-ROX-071116-DUP	7/11/2016		28.16	NE	<0.001	<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

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TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						VOCs																				
						Ethylbenzene	Ethyl methacrylate	Hexachlorobutadiene	2-Hexanone (Methyl N-Butyl Ketone)	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	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl acetate	m,p-Xylenes	o-Xylenes	Xylenes (total)
			Screening Values (mg/L)			0.7 [1]		0.007 [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-07	MW7-ROX-101613	10/16/2013	42.92 - 52.92	40.64	NE	<2	<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	<2.5	<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	<5	<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	0.208 J	<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	0.206 J	<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	<5	<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	<5	<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	<1	<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	<1	<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	0.0822	<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	0.081	<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	<5	<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	<5	<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	<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	<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		41.02	NE	<5	<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	<5	<25	<130	<5	<130	<5	<5	<5	<5	<5	<5	<5	<5	<25	<5	<5	<5	<130	<25	<25	<25
	MW7-ROX-041916	4/19/2016		40.68	NE	<2	<2	<10	<50	<2	<50	<2	<2	<2	<2	<2	<2	<2	<2	<10	<2	<2	<2	<50	<10	<10	<10
	MW7-ROX-041916-DUP	4/19/2016		40.68	NE	<2	<2	<10	<50	<2	<50	<2	<2	<2	<2	<2	<2	<2	<2	<10	<2	<2	<2	<50	<10	<10	<10
	MW7-ROX-071416	7/14/2016	42.92 - 52.92	39.99	NE	<5	<5	<25	<130	<5	<130	<5	<5	<5	<5	<5	<5	<5	<5	<25	<5	<5	<5	<130	<25	<25	<50
	MW7-ROX-071416-DUP	7/14/2016		39.99	NE	<5	<5	<25	<130	<5	<130	<5	<5	<5	<5	<5	<5	<5	<5	<25	<5	<5	<5	<130	<25	<25	<50
MW-08	MW8-ROX-101613	10/16/2013	33.60 - 43.60	31.59	NE	<2	<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	<2	<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	<2.5	<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	<2.5	<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	<2	<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	<2	<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	0.266	<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	0.305 J	<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	0.359 J	<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	0.203	<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	<5	<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	<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		31.79	NE	<2	<2	<10	<50	<2	<50	<2	<2	<2	<2	<2	<2	<2	<2	<10	<2	<2	<2	<50	<10	<10	<10
	MW8-ROX-041916	4/19/2016		31.45	NE	<1	<1	<5	<25	<1	<25	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	<1	<1	<25	<5	<5	<5
	MW8-ROX-071416	7/14/2016	33.60 - 43.60	30.80	NE	<2	<2	<10	<50	<2	<50	<2	<2	<2	<2	<2	<2	<2	<2	<10	<2	<2	<2	<50	<10	<10	<20
MW-09	MW9-ROX-100313	10/3/2013	46.45 - 56.45	42.27	NE	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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		42.63	NE	<0.001	<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-041216	4/12/2016		41.98	NE	<0.001	<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-071316	7/13/2016	46.45 - 56.45	40.93	NE	<0.001	<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

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						VOCs																				
						Ethylbenzene	Ethyl methacrylate	Hexachlorobutadiene	2-Hexanone (Methyl N-Butyl Ketone)	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	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl acetate	m,p-Xylenes	o-Xylenes	Xylenes (total)
			Screening Values (mg/L)			0.7 [1]		0.007 [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-10	MW10-ROX-100313	10/3/2013	44.43 - 54.43	42.38	NE	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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		42.53	NE	<0.001	<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-041116	4/11/2016		41.88	NE	<0.001	<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-071316	7/13/2016	44.43 - 54.43	41.00	NE	<0.001	<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-11	MW11-ROX-100713	10/7/2013	41.66 - 51.66	39.95	NE	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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		40.33	NE	<0.001	<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-041116	4/11/2016		39.49	NE	<0.001	<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-071316	7/13/2016	41.66 - 51.66	38.59	NE	<0.001	<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-12	MW12-ROX-100713	10/7/2013	41.92 - 51.92	40.22	NE	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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		40.98	NE	<0.001	<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-040716	4/7/2016		39.82	NE	<0.001	<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-071216	7/12/2016	41.92 - 51.92	38.89	NE	<0.001	<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-13	MW13-ROX-100913	10/9/2013	25.57 - 35.57	26.94	NE	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	0.00097 J	<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	0.00033 J	<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	<0.001	<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	<0.001	<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		27.16	NE	0.0021	<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
	MW13-ROX-040816	4/8/2016		26.81	NE	<0.001	<0.001	<0.005	<0.025	<0.001	<0.025	0.0055	<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-071116	7/11/2016	25.57 - 35.57	26.01	NE	<0.001	<0.001	<0.005	<0.025	<0.001	<0.025	0.0064	<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

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						VOCs																				
						Ethylbenzene	Ethyl methacrylate	Hexachlorobutadiene	2-Hexanone (Methyl N-Butyl Ketone)	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	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl acetate	m,p-Xylenes	o-Xylenes	Xylenes (total)
			Screening Values (mg/L)			0.7 [1]		0.007 [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-101013	10/10/2013	33.42 - 43.42	30.80	NE	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	0.00036 J	<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	<0.001	<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	<0.001	<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	<0.001	<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		31.64	NE	<0.001	<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
	MW14-ROX-041416	4/14/2016		31.32	NE	<0.001	<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	0.001 J
	MW14-ROX-071116	7/11/2016	33.42 - 43.42	30.59	NE	<0.001	<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-16	MW16-ROX-100813	10/8/2013	37.06 - 47.06	41.62	NE	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	0.0004 J	<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	<0.001	<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		41.99	NE	<0.001	<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
	MW16-ROX-040816	4/8/2016		41.17	NE	<0.001	<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-071216	7/12/2016	37.06 - 47.06	39.93	NE	<0.001	<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-100913	10/9/2013	37.88 - 47.88	40.39	NE	3.79	<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	3.97	<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	3.17	<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	3.4	<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	3.32	<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	3.02	<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	1.93	<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	1.88	<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	2.84	<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	3.05	<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	3.21	<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	1.6	<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		40.42	NE	2	<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	1.9	<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
	MW22-ROX-041316	4/13/2016		39.56	NE	2.8	<0.025	<0.13	<0.63	0.097	<0.63	<0.025	0.33	0.17	<0.025	<0.025	1.6	<0.025	<0.025	<0.13	<0.025	0.98	0.25	<0.63	5.5	2.6	8.1
	MW22-ROX-041316-DUP	4/13/2016		39.56	NE	3	<0.025	<0.13	<0.63	0.1	<0.63	<0.025	0.32	0.17	<0.025	<0.025	1.7	<0.025	<0.025	<0.13	<0.025	1	0.26	<0.63	5.7	2.8	8.5
	MW22-ROX-071516	7/15/2016	37.88 - 47.88	38.97	NE	0.41	<0.005	<0.025	<0.13	0.024	<0.13	<0.005	0.075	0.045	<0.005	<0.005	0.051	<0.005	<0.005	<0.025	<0.005	0.22	0.064	<0.13	0.56	0.31	0.88
	MW22-ROX-071516-DUP	7/15/2016		38.97	NE	0.41	<0.005	<0.025	<0.13	0.025	<0.13	<0.005	0.078	0.042	<0.005	<0.005	0.051	<0.005	<0.005	<0.025	<0.005	0.21	0.063	<0.13	0.57	0.31	0.88

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TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						VOCs																				
						Ethylbenzene	Ethyl methacrylate	Hexachlorobutadiene	2-Hexanone (Methyl N-Butyl Ketone)	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	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl acetate	m,p-Xylenes	o-Xylenes	Xylenes (total)
			Screening Values (mg/L)			0.7 [1]		0.007 [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-23	MW23-ROX-012615	1/26/2015	29.02 - 39.02	30.90	NE	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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		28.78	NE	<0.001	<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-23-ROX-040616	4/6/2016		27.96	NE	<0.001	<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-23-ROX-070816	7/8/2016	29.02 - 39.02	27.54	NE	<0.001	<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-24	MW24-ROX-100913	10/9/2013	38.89 - 48.89	41.27	NE	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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		41.44	NE	<0.001	<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-040816	4/8/2016		40.79	NE	<0.001	<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-071216	7/12/2016	38.89 - 48.89	39.67	NE	<0.001	<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-25	MW25-ROX-102114	10/21/2014	35.59 - 45.59	36.44	NE	<2	<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	<0.25	<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	<0.05	<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	<0.2	<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	<0.1	<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		36.12	NE	<0.02	<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
	MW25-ROX-041916	4/19/2016		35.67	NE	<0.001	<0.001	<0.005	<0.025	<0.001	<0.025	0.049	<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	0.00085 J
	MW25-ROX-071816	7/18/2016	35.59 - 45.59	35.19	NE	<0.01	<0.01	<0.05	<0.25	<0.01	<0.25	0.025	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.25	<0.05	<0.05	<0.1
MW-26	MW26-ROX-102114	10/21/2014	38.15 - 48.15	39.43	NE	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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		39.55	NE	<0.001	<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-040616	4/6/2016		38.44	NE	<0.001	<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-071216	7/12/2016	38.15 - 48.15	37.74	NE	<0.001	<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-27	MW27-ROX-102114	10/21/2014	39.79 - 49.79	41.57	NE	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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		40.68	NE	<0.001	<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-041116	4/11/2016		39.73	NE	<0.001	<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-ROX-071316	7/13/2016	39.79 - 49.79	38.94	NE	<0.001	<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

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SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						VOCs																		
						Ethylbenzene	Ethyl methacrylate	Hexachlorobutadiene	2-Hexanone (Methyl N-Butyl Ketone)	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	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl acetate	m,p-Xylenes	o-Xylenes	Xylenes (total)
			Screening Values (mg/L)			0.7 [1]		0.007 [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-28	MW28-ROX-102114	10/21/2014	33.61 - 43.61	36.44	NE	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	0.00066 J	<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	<0.001	<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	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	MW28-ROX-011416	1/14/2016		39.98	NE	<0.001	<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	<0.001	<0.005	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	MW28-ROX-041216	4/12/2016		39.20	NE	<0.001	<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	<0.001	<0.005	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	MW28-ROX-071416	7/14/2016	33.61 - 43.61	38.49	NE	<0.001	<0.001	<0.005	<0.025	<0.001	<0.025	0.0011	<0.001	<0.001	<0.001	<0.001	0.0013	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	0.0017 J
P-54	P54-ROX-100813	10/8/2013	38.00 - 63.00	39.94	NE	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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		40.22	NE	<0.001	<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-041216	4/12/2016		39.42	NE	<0.001	<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-071216	7/12/2016	38.00 - 63.00	38.44	NE	<0.001	<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
P-55	P55-ROX-101013	10/10/2013	40.43 - 50.43			0.602	<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-101013	10/10/2013	40.82 - 65.82	44.48	NE	1.58	<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	0.305	<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	0.608	<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	1.71 J	<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	0.164	<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	0.104	<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	0.624	<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	0.0297	<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	0.067	<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		44.78	NE	0.092	<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
	P56-ROX-041416	4/14/2016		43.73	NE	0.093	<0.005	<0.025	<0.13	0.035	<0.13	<0.005	0.019	0.039	<0.005	<0.005	0.017	<0.005	<0.005	<0.025	<0.005	0.074	0.019	<0.13	0.2	0.0061 J	0.21
	P56-ROX-071216	7/12/2016	40.82 - 65.82	42.87	NE	0.034	<0.002	<0.01	<0.05	0.032	<0.05	<0.002	0.013	0.032	<0.002	<0.002	0.011	<0.002	<0.002	<0.01	<0.002	0.037	0.011	<0.05	0.1	0.0036 J	0.11
P-57	P57-ROX-101413	10/14/2013	40.46 - 65.46	44.38	NE	1.1	<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	0.697 J	<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	1.08	<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	1.12	<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	1.21	<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	1.77 J	<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	3.86	<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	0.773	<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	0.487	<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	0.44 J	<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	<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		45.61	NE	0.55 J	<1	<5	<25	<1	<25	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	<1	<1	<25	<5	<5	0.83 J
	P57-ROX-041816	4/18/2016		44.80	NE	0.2 J	<0.25	<1.3	<6.3	<0.25	<6.3	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<1.3	<0.25	<0.25	<0.25	<6.3	<1.3	<1.3	<1.3
	P57-ROX-071316	7/13/2016	44.19 - 54.19	44.20	NE	0.57	<0.5	<2.5	<13	<0.5	<13	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<13	<2.5	<2.5	<5

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						VOCs																				
						Ethylbenzene	Ethyl methacrylate	Hexachlorobutadiene	2-Hexanone (Methyl N-Butyl Ketone)	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	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl acetate	m,p-Xylenes	o-Xylenes	Xylenes (total)
			Screening Values (mg/L)			0.7 [1]		0.007 [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-101413	10/14/2013	40.21 - 65.21	42.19	NE	1.53	<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	0.767 J	<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	0.891 J	<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	<2	<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	0.793	<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	1.13	<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	0.81	<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	0.457 J	<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	<2	<10	<50	<2	<50	<2	<2	<2	<2	<2	<2	<2	<2	<10	<2	<2	<2	<50	<10	<10	<10
	P58-ROX-011316	1/13/2016		43.18	NE	<2	<2	<10	<50	<2	<50	<2	<2	<2	<2	<2	<2	<2	<2	<10	<2	<2	<2	<50	<10	<10	<10
	P58-ROX-041816	4/18/2016		42.68	NE	0.62 J	<1	<5	<25	<1	<25	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	<1	<1	<25	<5	<5	<5
	P58-ROX-071516	7/15/2016	40.21 - 65.21	42.05	NE	<2	<2	<10	<50	<2	<50	<2	<2	<2	<2	<2	<2	<2	<2	<10	<2	<2	<2	<50	<10	<10	<20
P-59	P59-ROX-101013	10/10/2013	47.91 - 72.91	45.50	NE	3.19	<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	1.86	<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	1.69	<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	1.92	<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	2.33	<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	2.2	<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	2.13	<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	0.664	<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	1.1	<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		46.10	NE	1.1	<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
	P59-ROX-041816	4/18/2016		44.28	NE	1.7	<0.02	<0.1	<0.5	0.04	<0.5	<0.02	0.14	0.084	<0.02	<0.02	0.85	<0.02	<0.02	<0.1	<0.02	0.56	0.16	<0.5	3.4	0.31	3.7
	P59-ROX-071316	7/13/2016	47.91 - 72.91	43.67	NE	1.4	<0.025	<0.13	<0.63	0.046	<0.63	<0.025	0.18	0.059	<0.025	<0.025	0.47	<0.025	<0.025	<0.13	<0.025	0.48	0.16	<0.63	2.1	0.17	2.2
P-66	P66-ROX-101013	10/10/2013	34.72 - 59.72	33.66	NE	0.0045	<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	0.0016	<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	0.0013	<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	0.0014	<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	0.0016	<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	0.0013	<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	0.0016	<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	0.0014	<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	0.003	<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	0.0027	<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	0.0024	<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	0.0022	<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	0.0042	<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		34.64	NE	<0.001	<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
	P66-ROX-041516	4/15/2016		34.33	NE	0.0048	<0.001	<0.005	<0.025	0.068	<0.025	<0.001	0.017	0.075	<0.001	<0.001	0.00086 J	<0.001	<0.001	<0.005	<0.001	0.0017	0.00056 J	<0.025	0.002 J	0.00077 J	0.0027 J
	P66-ROX-071116	7/11/2016	34.72 - 59.72	33.58	NE	0.0075	<0.001	<0.005	<0.025	0.083	<0.025	0.017	0.026	0.1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	0.006	0.00082 J	<0.025	0.0032 J	0.001 J	0.0042 J

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						VOCs																				
						Ethylbenzene	Ethyl methacrylate	Hexachlorobutadiene	2-Hexanone (Methyl N-Butyl Ketone)	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	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl acetate	m,p-Xylenes	o-Xylenes	Xylenes (total)
			Screening Values (mg/L)			0.7 [1]		0.007 [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-101413	10/14/2013	44.43 - 69.43	41.72	NE	0.0653	<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	0.115	<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	0.0043	<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	0.0374	<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	<0.001	<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	0.082	<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	0.0058	<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	<0.001	<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	0.056	<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		40.67	NE	<0.001	<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
	P74-ROX-041516	4/15/2016		40.40	NE	0.0025	<0.001	<0.005	<0.025	<0.001	<0.025	0.0018	0.0012	<0.001	<0.001	<0.001	0.003	<0.001	<0.001	<0.005	<0.001	0.0096	0.0062	<0.025	0.013	0.001 J	0.014
	P74-ROX-071216	7/12/2016	44.43 - 69.43	39.56	NE	0.0021	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	0.0018	<0.001	<0.001	<0.001	0.0013	<0.001	<0.001	<0.005	<0.001	0.016	0.0098	<0.025	0.0069	0.00089 J	0.0078 J
P-93A	P93A-ROX-101113	10/11/2013	48.17 - 63.17	44.18	NE	0.264	<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	<0.5	<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	<0.5	<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	<1	<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	<1	<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	0.229 J	<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	0.226 J	<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	0.0856 J	<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	0.0559	<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	0.0361 J	<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	<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	<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		43.73	NE	<2	<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	<2	<10	<50	<2	<50	<2	<2	<2	<2	<2	<2	<2	<2	<10	<2	<2	<2	<50	<10	<10	<10
	P93A-ROX-041916	4/19/2016		43.08	NE	<0.25	<0.25	<1.3	<6.3	<0.25	<6.3	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<1.3	<0.25	<0.25	<0.25	<6.3	<1.3	<1.3	<1.3
	P93A-ROX-041916-DUP	4/19/2016		43.08	NE	<0.25	<0.25	<1.3	<6.3	<0.25	<6.3	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<1.3	<0.25	<0.25	<0.25	<6.3	<1.3	<1.3	<1.3
	P93A-ROX-071316	7/13/2016	43.07 - 53.07	42.42	NE	<0.1	<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	<1
	P93A-ROX-071316-DUP	7/13/2016		42.42	NE	<0.1	<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	<1
P-93B	P93B-ROX-101613	10/16/2013	74.60 - 76.60	44.43	NE	<2	<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	<2	<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	<1	<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	<1	<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	<0.5	<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	<0.5	<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	0.0236 J	<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	<0.5	<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	<1	<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	<1	<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	<0.5	<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	0.0947	<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	0.249 J	<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	<5	<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	<2	<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	<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		44.96	NE	<1	<1	<5	<25	<1	<25	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	<1	<1	<25	<5	<5	<5
	P93B-ROX-041916	4/19/2016		44.54	NE	<1	<1	<5	<25	<1	<25	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	<1	<1	<25	<5	<5	<5
	P93B-ROX-071516	7/15/2016	74.60 - 76.60	43.65	NE	<1	<1	<5	<25	<1	<25	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	<1	<1	<25	<5	<5	<10

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						VOCs																				
						Ethylbenzene	Ethyl methacrylate	Hexachlorobutadiene	2-Hexanone (Methyl N-Butyl Ketone)	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	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl acetate	m,p-Xylenes	o-Xylenes	Xylenes (total)
			Screening Values (mg/L)			0.7 [1]		0.007 [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-101613	10/16/2013	94.26 - 96.26	44.31	NE	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	48.22	NE	<0.1	<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		48.22	NE	<1	<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	<0.1	<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	0.00047 J	<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	<0.001	<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		44.68	NE	<0.001	<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
	P93C-ROX-041816	4/18/2016		44.06	NE	0.00085 J	<0.001	<0.005	<0.025	<0.001	<0.025	0.00099 J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	0.0011	<0.001	<0.025	<0.005	<0.005	0.00067 J
	P93C-ROX-071216	7/12/2016	92.47 - 97.47	43.37	NE	<0.001	<0.001	<0.005	<0.025	<0.001	<0.025	0.0029	<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
P-93D	P93D-ROX-101113	10/11/2013	125.75 - 127.75	44.24	NE	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	<0.01	<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	0.0013	<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	<0.25	<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	<2.5	<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	<0.1	<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	<0.5	<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	<0.1	<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		45.10	NE	<0.1	<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
	P93D-ROX-041916	4/19/2016		44.61	NE	<0.05	<0.05	<0.25	<1.3	<0.05	<1.3	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.25	<0.05	<0.05	<0.05	<1.3	<0.25	<0.25	<0.25
	P93D-ROX-071516	7/15/2016	125.75 - 127.75	43.83	NE	<0.001	<0.001	<0.005	<0.025	<0.001	<0.025	0.0017	<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
P-114	P114-ROX-101713	10/17/2013	32.67 - 52.67	29.43	NE	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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	0.00045 J J	<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	<0.001	<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	<0.001	<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	<0.001	<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	<0.001	<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		25.62	NE	<0.001	<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
	P114R-ROX-040816	4/8/2016		25.65	NE	<0.001	<0.001	<0.005	<0.025	<0.001	<0.025	0.00084 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
	P114R-ROX-070816	7/8/2016	23.01 - 33.01	24.92	NE	<0.001	<0.001	<0.005	<0.025	<0.001	<0.025	0.00082 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	<0.01

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TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						VOCs																				
						Ethylbenzene	Ethyl methacrylate	Hexachlorobutadiene	2-Hexanone (Methyl N-Butyl Ketone)	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	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl acetate	m,p-Xylenes	o-Xylenes	Xylenes (total)
			Screening Values (mg/L)			0.7 [1]		0.007 [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	ROST3-MW-ROX-100913	10/9/2013	37.81 - 47.81	40.16	NE	0.0182	<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	0.008	<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	0.0055	<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	0.008	<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	0.0398	<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	0.0144	<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	0.0085	<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	0.02	<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	0.06	<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		40.30	NE	0.027	<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
	ROST3MW-ROX-041216	4/12/2016		39.69	NE	0.0011	<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	0.00064 J
	ROST3MW-ROX-071416	7/14/2016	37.81 - 47.81	38.70	NE	0.0042	<0.001	<0.005	<0.025	0.00055 J	<0.025	<0.001	0.0035	<0.001	<0.001	<0.001	0.0015	<0.001	<0.001	<0.005	<0.001	0.0029	<0.001	<0.025	0.0042 J	0.0017 J	0.0058 J
ROST-4-PZ(C)	ROST4PZC-ROX-100913	10/9/2013	34.95 - 44.95	39.91	NE	0.0064	<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	0.0039	<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	0.00059 J	<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	0.0594	<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	0.0688	<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	0.0035	<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	0.0806	<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		42.59	NE	0.159	<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	0.15	<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		40.54	NE	0.036	<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
	ROST4PZC-ROX-041316	4/13/2016		39.61	NE	0.067	<0.002	<0.01	<0.05	0.0073	<0.05	<0.002	0.12	0.01	<0.002	<0.002	0.039	<0.002	<0.002	<0.01	<0.002	0.063	0.013	<0.05	0.49	0.014	0.51
	ROST4PZC-ROX-071516	7/15/2016	34.95 - 44.95	38.93	NE	0.047	<0.002	<0.01	<0.05	0.0089	<0.05	<0.002	0.1	0.012	<0.002	<0.002	0.029	<0.002	<0.002	<0.01	<0.002	0.065	0.018	<0.05	0.27	0.0065 J	0.28
T-12	T12-ROX-101513	10/15/2013	46.72 - 72.72	43.73	NE	1.82	<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	0.518	<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	0.376	<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	0.614	<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	1.75	<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	46.83 - 72.83	45.27	NE	0.596	<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		46.73	NE	1.34	<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	0.197	<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	0.2	<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		44.13	NE	0.098	<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
	T12-ROX-041516	4/15/2016		42.07	NE	0.023	<0.005	<0.025	<0.13	0.015	<0.13	<0.005	0.064	0.021	<0.005	<0.005	0.053	<0.005	<0.005	<0.025	<0.005	0.053	0.0094	<0.13	0.21	0.0045 J	0.22
	T12-ROX-071216	7/12/2016	46.83 - 72.83	41.50	NE	0.15	<0.01	<0.05	<0.25	0.026	<0.25	<0.01	0.058	0.04	<0.01	<0.01	0.064	<0.01	<0.01	<0.05	<0.01	0.051	0.011	<0.25	0.16	0.0079 J	0.16

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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	Di-n-butyl phthalate
			Screening Values (mg/L)			0.42 [1]	0.21 [3]	0.015 [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]		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-100313	10/3/2013	48.80 - 58.80	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	<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	<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	<0.00029 U
	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	0.0016 JB
	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	<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	<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	0.00044 J
	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	<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	<0.01
	MW1-ROX-010816	1/8/2016		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	<0.01
	MW1-ROX-041216	4/12/2016		40.35	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	0.011	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	MW1-ROX-071416	7/14/2016	48.80 - 58.80	39.43	NE	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01 UJ	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MW-02	MW2-ROX-100813	10/8/2013	49.87 - 59.87	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	<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	<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	<0.00046 U
	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	<0.00045 U
	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	<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	<0.00034 U
	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	<0.00045 U
	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	<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	<0.01
	MW2-ROX-011416	1/14/2016		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	<0.01
	MW2-ROX-041316	4/13/2016		41.59	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	0.0044 J	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	MW2-ROX-071416	7/14/2016	49.87 - 59.87	40.79	NE	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01 UJ	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MW-03	MW3-ROX-100813	10/8/2013	34.67 - 44.67	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	<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	<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	<0.00056 U
	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	<0.00028 U
	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	<0.00023 U
	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	0.00028 J J
	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	0.00054 J
	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	<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	<0.01
	MW3-ROX-010716	1/7/2016		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	<0.01
	MW3-ROX-040616	4/6/2016		27.07	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	<0.01
	MW3-ROX-070816	7/8/2016	34.67 - 44.67	26.51	NE	<0.0002	<0.0002	<0.01 UJ	<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 UJ	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MW-04	MW4-ROX-101613	10/16/2013	46.06 - 56.06	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	<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	<0.0013 U
	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	<0.00076 U
	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	<0.00043 U
	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	<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	0.0011 J
	MW4-ROX-042115	4/21/2015	45.06 - 55.06	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	<0.0052
	MW4-ROX-071415	7/14/2015		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	<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	<0.01
	MW4-ROX-011316	1/13/2016		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	<0.01
	MW4-ROX-041916	4/19/2016		38.50	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	<0.01
	MW4-ROX-071416	7/14/2016	45.06 - 55.06	37.85	NE	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01 UJ	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<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	Di-n-butyl phthalate
				Screening Values (mg/L)		0.42 [1]	0.21 [3]	0.015 [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]		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-100813	10/8/2013	33.97 - 43.97	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	<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	<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	<0.00087 U
	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	<0.00037 U
	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	<0.00023 U
	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	<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	<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	<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	0.000071 J	0.000078 J	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	MW5-ROX-011416	1/14/2016		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	<0.01	<0.01
	MW5-ROX-040616	4/6/2016		26.80	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	<0.01
	MW5-ROX-070816	7/8/2016	33.97 - 43.97	26.28	NE	<0.0002	<0.0002	<0.01 UJ	<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 UJ	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MW-06A	MW6A-ROX-100713	10/7/2013	34.83 - 44.83	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	<0.0056
	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	<0.0054
	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	<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	<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	<0.00075 U
	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	<0.00077 U
	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	<0.00026 U
	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	<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	<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	<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	<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	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	MW6A-ROX-011116	1/11/2016		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	<0.01	<0.01
	MW6A-ROX-040716	4/7/2016		29.07	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	<0.01	<0.01	<0.01
	MW6A-ROX-071116	7/11/2016	34.83 - 44.83	28.45	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	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MW-06B	MW6B-ROX-100713	10/7/2013	64.05 - 69.05	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	<0.0054
	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	<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	<0.00043 U
	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	<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	<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	<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	0.00029 J
	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	<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	<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	<0.01
	MW6B-ROX-011116	1/11/2016		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	<0.01
	MW6B-ROX-040716	4/7/2016		29.11	NE	0.00005 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	<0.01
	MW6B-ROX-071116	7/11/2016	64.05 - 69.05	28.49	NE	<0.0002	<0.0002	<0.01	<0.0002	0.000054 J	0.000082 J	0.00014 J	0.000079 J	0.00013 J	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.00004 J	0.000069 J	<0.01	<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	Di-n-butyl phthalate
			Screening Values (mg/L)			0.42 [1]	0.21 [3]	0.015 [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]		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-100713	10/7/2013	84.95 - 89.95	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	0.00043 J
	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	<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	<0.0004 U
	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	<0.00032 U
	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	<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	<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	<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	<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	<0.01
	MW6C-ROX-010816	1/8/2016		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	<0.01
	MW6C-ROX-040716	4/7/2016		28.91	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	<0.01
	MW6C-ROX-071116	7/11/2016	84.95 - 89.95	28.30	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	<0.01
MW-06D	MW6D-ROX-100713	10/7/2013	104.72 - 109.72	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	<0.0054
	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	<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	<0.00039 U
	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	<0.00027 U
	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	<0.00029 U
	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	<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	<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	<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	0.00027 J J
	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	<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	<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	<0.01
	MW6D-ROX-010816	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	<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	<0.01
	MW6D-ROX-040716	4/7/2016		28.76	NE	0.000058 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	<0.01
	MW6D-ROX-040716-DUP	4/7/2016		28.76	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	<0.01
	MW6D-ROX-071116	7/11/2016	104.72 - 109.72	28.16	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	0.013	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	MW6D-ROX-071116-DUP	7/11/2016		28.16	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	<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	Di-n-butyl phthalate
			Screening Values (mg/L)			0.42 [1]	0.21 [3]	0.015 [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]		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-07	MW7-ROX-101613	10/16/2013	42.92 - 52.92	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	<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	<0.0007 U
	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	<0.00071 U
	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	<0.00027 U
	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	<0.00038 U
	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	<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	<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	0.00035 J
	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	0.00027 J
	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	<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	<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	0.00063 J
	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	0.00057 J
	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	<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	<0.01
	MW7-ROX-011416	1/14/2016		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	<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	<0.01
	MW7-ROX-041916	4/19/2016		40.68	NE	0.00024	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.031	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	0.0048 J	<0.01	<0.01
	MW7-ROX-041916-DUP	4/19/2016		40.68	NE	0.00021	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.021 J	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	0.0042 J	<0.01	<0.01
	MW7-ROX-071416	7/14/2016	42.92 - 52.92	39.99	NE	0.00031	0.000058 J	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01 UJ	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	MW7-ROX-071416-DUP	7/14/2016		39.99	NE	0.00023	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01 UJ	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MW-08	MW8-ROX-101613	10/16/2013	33.60 - 43.60	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	<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	<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	<0.0011 U
	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	<0.00092 U
	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	<0.00073 U
	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	<0.0006 U
	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	<0.00045 U
	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	<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	0.00027 J
	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	<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	<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	<0.01
	MW8-ROX-011416	1/14/2016		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	<0.01
	MW8-ROX-041916	4/19/2016		31.45	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	<0.0002	<0.0002	<0.01	<0.01	<0.01	0.012	<0.01	<0.01
	MW8-ROX-071416	7/14/2016	33.60 - 43.60	30.80	NE	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01 UJ	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MW-09	MW9-ROX-100313	10/3/2013	46.45 - 56.45	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	<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	<0.0053
	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	<0.00062 U
	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	<0.0006 U
	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	<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	0.00023 J
	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	<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	<0.00042 J
	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	<0.01
	MW9-ROX-011316	1/13/2016		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	<0.01
	MW9-ROX-041216	4/12/2016		41.98	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	<0.01
	MW9-ROX-071316	7/13/2016	46.45 - 56.45	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	<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	Di-n-butyl phthalate
			Screening Values (mg/L)			0.42 [1]	0.21 [3]	0.015 [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]		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-10	MW10-ROX-100313	10/3/2013	44.43 - 54.43	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	<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	<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	<0.00085 U
	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	<0.00065 U
	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	<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	<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	<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 J	<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	0.00064 J
	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	<0.01
	MW10-ROX-011316	1/13/2016		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	<0.01
	MW10-ROX-041116	4/11/2016		41.88	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	<0.01
	MW10-ROX-071316	7/13/2016	44.43 - 54.43	41.00	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	<0.01
MW-11	MW11-ROX-100713	10/7/2013	41.66 - 51.66	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	<0.0055
	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	<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	<0.0007 U
	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	<0.00042 U
	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	<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	<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	<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	<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	<0.01
	MW11-ROX-011216	1/12/2016		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	<0.01
	MW11-ROX-041116	4/11/2016		39.49	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	<0.01
	MW11-ROX-071316	7/13/2016	41.66 - 51.66	38.59	NE	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	0.011	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MW-12	MW12-ROX-100713	10/7/2013	41.92 - 51.92	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	<0.0055
	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	<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	<0.0006 U
	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	<0.00098 U
	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	<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	0.00023 J
	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	<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	<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	<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	<0.01
	MW12-ROX-011116	1/11/2016		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	<0.01
	MW12-ROX-040716	4/7/2016		39.82	NE	0.000069 J	<0.0002	<0.01	<0.0002	<0.0002	0.000054 J	0.000064 J	0.000045 J	<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	<0.01
	MW12-ROX-071216	7/12/2016	41.92 - 51.92	38.89	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	<0.01
MW-13	MW13-ROX-100913	10/9/2013	25.57 - 35.57	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	<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	<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	<0.00079 U
	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	<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	<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	<0.00034 U
	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	<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	<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	<0.01
	MW13-ROX-010716	1/7/2016		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	<0.01
	MW13-ROX-040816	4/8/2016		26.81	NE	0.00015 J	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01 UJ	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	MW13-ROX-071116	7/11/2016	25.57 - 35.57	26.01	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	<0.01

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	Di-n-butyl phthalate
			Screening Values (mg/L)			0.42 [1]	0.21 [3]	0.015 [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]		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-101013	10/10/2013	33.42 - 43.42	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	<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	0.00045 J
	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	<0.00082 U
	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	0.00031 J
	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	<0.00056 U
	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	<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	<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	0.00044 J
	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	<0.01
	MW-14-ROX-010816	1/8/2016		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	<0.01
	MW14-ROX-041416	4/14/2016		31.32	NE	0.000074 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	<0.01
	MW14-ROX-071116	7/11/2016	33.42 - 43.42	30.59	NE	0.000059 J	0.00002 J	<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	<0.01
MW-16	MW16-ROX-100813	10/8/2013	37.06 - 47.06	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	<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	<0.0052
	MW16-ROX-040914	4/9/2014		44.63	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	<0.00067 U
	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	<0.00021 U
	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	<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	<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	<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	0.00043 J
	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	<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	<0.01
	MW16-ROX-011216	1/12/2016		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	<0.01
	MW16-ROX-040816	4/8/2016		41.17	NE	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01 UJ	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	MW16-ROX-071216	7/12/2016	37.06 - 47.06	39.93	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	<0.01
MW-22	MW22-ROX-100913	10/9/2013	37.88 - 47.88	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	<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	<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	<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	<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	<0.0016 U
	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	<0.0018 U
	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	<0.00057 U
	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	<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	<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	<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	<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	<0.01
	MW22-ROX-011516	1/15/2016		40.42	NE	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.02 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	<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	<0.01
	MW22-ROX-041316	4/13/2016		39.56	NE	<0.0002	<0.0002	<0.01 UJ	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03 UJ	<0.01 UJ	<0.01 UJ	0.0023 J H J	<0.01 UJ	<0.01 UJ	<0.01 UJ	<0.0002	<0.0002	<0.01 UJ	<0.01 UJ	0.0041 J H J	0.035 H J	<0.01 UJ	<0.01 UJ
	MW22-ROX-041316-DUP	4/13/2016		39.56	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	0.0031 J	0.037	<0.01	<0.01
	MW22-ROX-071516	7/15/2016	37.88 - 47.88	38.97	NE	<0.0002	<0.0002	<0.01 UJ	<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	0.0055 J J	0.0071 J	<0.01	<0.01
	MW22-ROX-071516-DUP	7/15/2016		38.97	NE	<0.0002	<0.0002	<0.01 UJ	<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	<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	Di-n-butyl phthalate
			Screening Values (mg/L)			0.42 [1]	0.21 [3]	0.015 [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]		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-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	<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	<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	<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	<0.01
	MW-23-ROX-010716	1/7/2016		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	<0.01
	MW-23-ROX-040616	4/6/2016		27.96	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	<0.01
	MW-23-ROX-070816	7/8/2016	29.02 - 39.02	27.54	NE	<0.0002	<0.0002	<0.01 UJ	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0091 J	<0.01	<0.01	0.0024 J F1	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MW-24	MW24-ROX-100913	10/9/2013	38.89 - 48.89	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	<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	<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	<0.00092 U
	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	<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	<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	0.00023 J
	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	<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	<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	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	MW24-ROX-011316	1/13/2016		41.44	NE	<0.0002	<0.0002	<0.01	<0.0002	0.000078 J	0.000059 J	0.00006 J	0.000067 J J	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	<0.01
	MW24-ROX-040816	4/8/2016		40.79	NE	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01 UJ	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	MW24-ROX-071216	7/12/2016	38.89 - 48.89	39.67	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	<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	<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	0.00028 J
	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	<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	<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	<0.01
	MW25-ROX-011416	1/14/2016		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	<0.01
	MW25-ROX-041916	4/19/2016		35.67	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	<0.01
	MW25-ROX-071816	7/18/2016	35.59 - 45.59	35.19	NE	<0.0002 UJ	<0.0002 UJ	<0.01 UJ	<0.0002 UJ	<0.0002 UJ	<0.0002 UJ	<0.0002 UJ	<0.0002 UJ	<0.0002 UJ	<0.03 UJ	<0.01 UJ	<0.01 UJ	<0.01 UJ	<0.01 UJ	<0.01 UJ	<0.01 UJ	<0.0002 UJ	<0.0002 UJ	<0.01 UJ	<0.01 UJ	<0.01 UJ	<0.01 UJ	<0.01 UJ	<0.01 UJ
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	<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	<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	<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	<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	<0.01
	MW26-ROX-010716	1/7/2016		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	<0.01
	MW26-ROX-040616	4/6/2016		38.44	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	<0.01
	MW26-ROX-071216	7/12/2016	38.15 - 48.15	37.74	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	<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	<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 J	0.000078 J J	<0.011	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.0053	<0.00011	0.000051 J J	<0.0021	<0.011	<0.00029 U	<0.011	<0.0053	0.00026 J J
	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	<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	<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	<0.01
	MW27-ROX-011316	1/13/2016		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	<0.01
	MW27-ROX-041116	4/11/2016		39.73	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	<0.01
	MW-27-ROX-071316	7/13/2016	39.79 - 49.79	38.94	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	<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	Di-n-butyl phthalate
			Screening Values (mg/L)			0.42 [1]	0.21 [3]	0.015 [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]		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-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	<0.00026 J
	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	0.00033 J J
	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	<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	<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	<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	<0.01
	MW28-ROX-011416	1/14/2016		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	<0.01
	MW28-ROX-041216	4/12/2016		39.20	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	<0.01
	MW28-ROX-071416	7/14/2016	33.61 - 43.61	38.49	NE	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01 UJ	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
P-54	P54-ROX-100813	10/8/2013	38.00 - 63.00	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	<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	<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	<0.00062 U
	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	<0.00028 U
	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	<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	<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	<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	<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	<0.01
	P54-ROX-011216	1/12/2016		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	<0.01
	P54-ROX-041216	4/12/2016		39.42	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	<0.01
	P54-ROX-071216	7/12/2016	38.00 - 63.00	38.44	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	0.0024 J	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
P-55	P55-ROX-101013	10/10/2013	40.43 - 50.43			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	<0.0055
P-56	P56-ROX-101013	10/10/2013	40.82 - 65.82	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	<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	<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	0.00051 J
	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	<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	<0.00035 U
	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	<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	<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	<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	<0.01
	P56-ROX-011116	1/11/2016		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	<0.01
	P56-ROX-041416	4/14/2016		43.73	NE	0.00069	<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	0.00054 J	<0.01	<0.01	<0.01	<0.01	<0.01
	P56-ROX-071216	7/12/2016	40.82 - 65.82	42.87	NE	0.00026	<0.0002	<0.01	0.000067 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	0.0023 J	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
P-57	P57-ROX-101413	10/14/2013	40.46 - 65.46	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	0.00049 J
	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	<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	<0.00058 U
	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	0.00026 J
	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	0.00027 J
	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	<0.00082 U
	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	<0.00086 U
	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	0.00039 J
	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	0.00037 J
	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	0.00044 J
	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	<0.01
	P57-ROX-011216	1/12/2016		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	<0.01
	P57-ROX-041816	4/18/2016		44.80	NE	0.00028 H J	<0.0002 UJ	<0.01 UJ	<0.0002 UJ	0.000041 J H J	<0.0002 UJ	<0.0002 UJ	<0.0002 UJ	<0.0002 UJ	<0.03 UJ	<0.01 UJ	<0.01 UJ	<0.01 UJ	<0.01 UJ	<0.01 UJ	<0.01 UJ	<0.0002 UJ	<0.0002 UJ	<0.01 UJ	<0.01 UJ	<0.01 UJ	<0.01 UJ	<0.01 UJ	<0.01 UJ
	P57-ROX-071316	7/13/2016	44.19 - 54.19	44.20	NE	0.00041 J	<0.001	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.03	<0.01	<0.01	0.038	<0.01	<0.01	<0.01	<0.001	<0.001	<0.01	<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	Di-n-butyl phthalate
			Screening Values (mg/L)			0.42 [1]	0.21 [3]	0.015 [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]		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-101413	10/14/2013	40.21 - 65.21	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	0.00058 J
	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	<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	<0.0013 U
	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	<0.00032 U
	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	<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	0.00038 J
	P58-ROX-042015	4/20/2015		46.67	NE	0.00064	0.00017	<0.01	0.000077 J	0.000052	0.000063 J	0.00059	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	0.00028 J
	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	0.00081 J
	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	<0.01
	P58-ROX-011316	1/13/2016		43.18	NE	0.00069	0.00022	<0.01	0.000067 J	<0.0002	<0.0002	<0.0002	<0.0002 UJ	<0.0002 UJ	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	P58-ROX-041816	4/18/2016		42.68	NE	0.00081 H J	<0.0002 UJ	<0.01 UJ	<0.0002 UJ	<0.0002 UJ	<0.0002 UJ	<0.0002 UJ	<0.0002 UJ	<0.0002 UJ	0.013 J H * J	<0.01 UJ	<0.01 UJ	<0.01 UJ	<0.01 UJ	<0.01 UJ	<0.01 UJ	0.00015 J H J	<0.0002 UJ	0.0018 J H J	<0.01 UJ	<0.01 UJ	<0.01 UJ	<0.01 UJ	<0.01 UJ
	P58-ROX-071516	7/15/2016	40.21 - 65.21	42.05	NE	0.0003	0.00013 J	<0.01 UJ	<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	0.004 J
P-59	P59-ROX-101013	10/10/2013	47.91 - 72.91	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	<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	<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	<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	0.00045 J
	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	<0.00042 U
	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	<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	<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	<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	<0.01
	P59-ROX-011216	1/12/2016		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	<0.01
	P59-ROX-041816	4/18/2016		44.28	NE	<0.0002 UJ	0.00013 J J	<0.01 UJ	0.00048 J	<0.0002 UJ	<0.0002 UJ	<0.0002 UJ	<0.0002 UJ	<0.0002 UJ	0.012 J J	<0.01 UJ	<0.01 UJ	<0.01 UJ	<0.01 UJ	<0.01 UJ	<0.01 UJ	<0.0002 UJ	<0.0002 UJ	<0.01 UJ	<0.01 UJ	<0.01 UJ	0.01 J	<0.01 UJ	<0.01 UJ
	P59-ROX-071316	7/13/2016	47.91 - 72.91	43.67	NE	<0.001	<0.001	<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	<0.01	<0.01	<0.01	0.063	<0.01	<0.01
P-66	P66-ROX-101013	10/10/2013	34.72 - 59.72	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	<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	<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	<0.00088 U
	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	0.0003 J
	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	<0.00066 U
	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	<0.00053 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	<0.00022 U
	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	<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	<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	<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	<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	<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	<0.01
	P-66-ROX-010816	1/8/2016		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	<0.01
	P66-ROX-041516	4/15/2016		34.33	NE	0.00039	<0.0002	<0.01	<0.0002	<0.0002	0.00004 J	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	0.0014 J	<0.01	<0.01	<0.01	<0.01	<0.01
	P66-ROX-071116	7/11/2016	34.72 - 59.72	33.58	NE	0.0006 J	0.00028 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	<0.01	<0.01	0.0019 J	<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	Di-n-butyl phthalate
			Screening Values (mg/L)			0.42 [1]	0.21 [3]	0.015 [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]		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-101413	10/14/2013	44.43 - 69.43	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	0.00047 J
	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	0.00048 J
	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	<0.0014 U
	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	0.00039 J
	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	<0.0019 U
	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	<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	<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	<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	<0.01
	P74-ROX-011116	1/11/2016		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	<0.01
	P74-ROX-041516	4/15/2016		40.40	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	<0.01
	P74-ROX-071216	7/12/2016	44.43 - 69.43	39.56	NE	0.000042 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	<0.01
P-93A	P93A-ROX-101113	10/11/2013	48.17 - 63.17	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	<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	<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	<0.0012 U
	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	<0.00077 U
	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	<0.00041 U
	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	0.00024 J
	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	0.00046 J J
	P93A-ROX-012715	1/27/2015		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	<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	<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	0.00064 J
	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	<0.01
	P93A-ROX-101515-DUP	10/15/2015	43.07 - 53.07	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	<0.01
	P-93A-ROX-011216	1/12/2016		43.73	NE	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<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	<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	<0.01
	P93A-ROX-041916	4/19/2016		43.08	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	<0.01
	P93A-ROX-041916-DUP	4/19/2016		43.08	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	<0.01
	P93A-ROX-071316	7/13/2016	43.07 - 53.07	42.42	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	<0.01
	P93A-ROX-071316-DUP	7/13/2016		42.42	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	<0.01
P-93B	P93B-ROX-101613	10/16/2013	74.60 - 76.60	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	<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	<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	0.00045 J
	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	0.00048 J
	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	<0.0024 U
	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	<0.00098 U
	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	<0.00046 U
	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	0.00024 J
	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	0.00025 J
	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	0.00031 J
	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	<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	<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	<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	<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	<0.01
	P93B-ROX-011316	1/13/2016		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	<0.01
	P93B-ROX-041916	4/19/2016		44.54	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	<0.01
	P93B-ROX-071516	7/15/2016	74.60 - 76.60	43.65	NE	<0.0002	<0.0002	<0.01 UJ	<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	<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	Di-n-butyl phthalate
			Screening Values (mg/L)			0.42 [1]	0.21 [3]	0.015 [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]		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-101613	10/16/2013	94.26 - 96.26	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	<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	0.00051 J
	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	<0.00048 U
	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	<0.00035 U
	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	<0.0056
	P93C-ROX-011915	1/19/2015	92.47 - 97.47	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	<0.0054
	P93C-ROX-021915	2/19/2015		48.22	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	<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	<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	<0.01
	P-93C-ROX-010816	1/8/2016		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	<0.01
	P93C-ROX-041816	4/18/2016		44.06	NE	<0.0002 UJ	<0.0002 UJ	<0.01 UJ	0.000025 J J	<0.0002 UJ	<0.0002 UJ	<0.0002 UJ	<0.0002 UJ	<0.0002 UJ	<0.03 UJ	<0.01 UJ	<0.01 UJ	<0.01 UJ	<0.01 UJ	<0.01 UJ	<0.01 UJ	<0.0002 UJ	<0.0002 UJ	<0.01 UJ	<0.01 UJ	<0.01 UJ	<0.01 UJ	<0.01 UJ	<0.01 UJ
	P93C-ROX-071216	7/12/2016	92.47 - 97.47	43.37	NE	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	0.00004 J	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	0.000048 J	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
P-93D	P93D-ROX-101113	10/11/2013	125.75 - 127.75	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	<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	<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	0.00036 J
	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	<0.00025 U
	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	0.00031 J
	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	<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	<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	<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	<0.01
	P93D-ROX-011316	1/13/2016		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	<0.01
	P93D-ROX-041916	4/19/2016		44.61	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	<0.01
	P93D-ROX-071516	7/15/2016	125.75 - 127.75	43.83	NE	<0.0002	<0.0002	<0.01 UJ	<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	<0.01
P-114	P114-ROX-101713	10/17/2013	32.67 - 52.67	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	<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	<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	0.0026 JB
	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	<0.00028 U
	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	<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	0.00091 J
	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	0.00031 J
	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	<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	<0.01
	P114R-ROX-010716	1/7/2016		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	<0.01
	P114R-ROX-040816	4/8/2016		25.65	NE	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0088 J	<0.01 UJ	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	P114R-ROX-070816	7/8/2016	23.01 - 33.01	24.92	NE	<0.0002	<0.0002	<0.05 UJ	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.15	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.0002	<0.0002	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05

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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	Di-n-butyl phthalate
			Screening Values (mg/L)			0.42 [1]	0.21 [3]	0.015 [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]		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	ROST3-MW-ROX-100913	10/9/2013	37.81 - 47.81	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	<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	<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	<0.00076 U
	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	<0.0004 U
	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	<0.00026 U
	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	0.00045 J J
	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	<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	<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	<0.01
	ROST3MW-ROX-011416	1/14/2016		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	<0.01
	ROST3MW-ROX-041216	4/12/2016		39.69	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 UJ	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	ROST3MW-ROX-071416	7/14/2016	37.81 - 47.81	38.70	NE	0.000079 J	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01 UJ	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
ROST-4-PZ(C)	ROST4PZC-ROX-100913	10/9/2013	34.95 - 44.95	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	<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	<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	<0.00038 U
	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	<0.00031 U
	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	<0.00032 U
	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	0.0003 J J
	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	<0.0051
	ROST4PZ-ROX-071315	7/13/2015		42.59	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	<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	<0.01
	ROST4PZC-ROX-011516	1/15/2016		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	<0.01
	ROST4PZC-ROX-041316	4/13/2016		39.61	NE	0.00051	<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	0.0072 J	<0.01	<0.01
	ROST4PZC-ROX-071516	7/15/2016	34.95 - 44.95	38.93	NE	0.00025	0.000041 J	<0.01 UJ	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	0.0027 J	0.00084 J	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	0.0014 J J	0.013	<0.01	<0.01
T-12	T12-ROX-101513	10/15/2013	46.72 - 72.72	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	<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	0.00044 J
	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	<0.00034 U
	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	0.00038 J
	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	0.00061 J
	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	<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	0.00033 J
	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	<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	<0.01
	T12-ROX-011216	1/12/2016		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	<0.01
	T12-ROX-041516	4/15/2016		42.07	NE	0.00037	0.000062 J	<0.01	0.000074 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	0.0037 J	<0.01	<0.01
	T12-ROX-071216	7/12/2016	46.83 - 72.83	41.50	NE	0.00035	0.000053 J	<0.01	0.000083 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	<0.01

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						SVOCs																					
						Di-n-octyl phthalate	2,4-Dinitrophenol	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)		0.14 [2]	0.014 [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]	0.0000017 [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-100313	10/3/2013	48.80 - 58.80	40.28	NE	<0.0054	<0.022	<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	<0.021 UJ	<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	<0.0054	<0.023 UJ	<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	<0.0054	<0.022 UJ	<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	<0.021	<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	<0.021	<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	<0.0053	<0.021	<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	<0.021	<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	0.00056 J	<0.03	<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		40.93	NE	<0.01	<0.03	<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
	MW1-ROX-041216	4/12/2016		40.35	NE	<0.01	<0.03	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	0.00005 J	0.000068 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-071416	7/14/2016	48.80 - 58.80	39.43	NE	<0.00086 U	<0.03	<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-02	MW2-ROX-100813	10/8/2013	49.87 - 59.87	41.73	NE	<0.0054	<0.022	<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	<0.021	<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	<0.006	<0.024	<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	<0.0054	<0.022	<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	<0.02	<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	<0.0053	<0.021	<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	<0.0054	<0.022	<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	<0.022	<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	<0.03	<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		42.04	NE	<0.01	<0.03	<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
	MW2-ROX-041316	4/13/2016		41.59	NE	<0.01	0.0082 J	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	0.0093	0.0065	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW2-ROX-071416	7/14/2016	49.87 - 59.87	40.79	NE	<0.00089 U	<0.03	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	0.0068	0.014	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
MW-03	MW3-ROX-100813	10/8/2013	34.67 - 44.67	27.38	NE	<0.0054	<0.022	<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	<0.021 UJ	<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	<0.0056	<0.022	<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	<0.0054	<0.022	<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	<0.0056	<0.022	<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	<0.0056	<0.022	<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	<0.0053	<0.021	<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	<0.022	<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	<0.03	<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		27.92	NE	<0.01	<0.03	<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
	MW3-ROX-040616	4/6/2016		27.07	NE	<0.01	<0.03	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	0.00082	0.00068	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW3-ROX-070816	7/8/2016	34.67 - 44.67	26.51	NE	<0.0013 U	<0.03	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	0.00044	0.00029	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	0.0018 J H	<0.0002	<0.01	<0.0002	<0.01 UJ
MW-04	MW4-ROX-101613	10/16/2013	46.06 - 56.06	38.80	NE	<0.0054	<0.022 UJ	<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	<0.0054	<0.022 UJ	<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	<0.0056	<0.022	<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	<0.0052	<0.021	<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	<0.024	<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	<0.0053	<0.021	<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	45.06 - 55.06	42.58	NE	<0.0052	<0.021	<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		41.30	NE	<0.0056	<0.022	<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	<0.03	<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		39.10	NE	<0.01	<0.03	<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
	MW4-ROX-041916	4/19/2016		38.50	NE	<0.01	<0.03	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	0.00015 J	0.000089 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-071416	7/14/2016	45.06 - 55.06	37.85	NE	<0.00072 U	<0.03	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	0.00015 J	0.000069 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-octyl phthalate	2,4-Dinitrophenol	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)		0.14 [2]	0.014 [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]	0.0000017 [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-100813	10/8/2013	33.97 - 43.97	26.97	NE	<0.0055	<0.022	<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	<0.021	<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	<0.0056	<0.022	<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	<0.0053	<0.021	<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	<0.0054	<0.022	<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	<0.021	<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	<0.021	<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	<0.022	<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	<0.03	<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		27.19	NE	<0.01	<0.03	<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
	MW5-ROX-040616	4/6/2016		26.80	NE	<0.01	<0.03	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	0.00034	<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-070816	7/8/2016	33.97 - 43.97	26.28	NE	<0.001 U	<0.03	<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 UJ
MW-06A	MW6A-ROX-100713	10/7/2013	34.83 - 44.83	28.87	NE	<0.0056	<0.022	<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	<0.022	<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	<0.021	<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	<0.021	<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	<0.0056	<0.022	<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	<0.0054	<0.022	<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	<0.0054	<0.022 UJ	<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	<0.021	<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	<0.021	<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	<0.02	<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	<0.023	<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	<0.03	<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		29.36	NE	<0.01	<0.03	<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-040716	4/7/2016		29.07	NE	<0.01	<0.03	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	0.000036 J	0.000047 J	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	0.00005 J	<0.01	<0.0002	<0.01
	MW6A-ROX-071116	7/11/2016	34.83 - 44.83	28.45	NE	0.00086 J	<0.03	<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 UJ
MW-06B	MW6B-ROX-100713	10/7/2013	64.05 - 69.05	28.93	NE	<0.0054	<0.022	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	<0.022	<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	<0.0053	<0.021	<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	<0.022 UJ	<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	<0.021	<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	<0.022	<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	<0.0051	<0.02	<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	<0.021	<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	<0.021	<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	<0.03	<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		29.41	NE	<0.01	<0.03	<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
	MW6B-ROX-040716	4/7/2016		29.11	NE	<0.01	<0.03	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	0.000045 J	0.000088 J	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	0.000079 J	<0.01	<0.0002	<0.01
	MW6B-ROX-071116	7/11/2016	64.05 - 69.05	28.49	NE	0.00055 J	<0.03	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	0.00011 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	<0.0002	<0.01 UJ

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						SVOCs																					
						Di-n-octyl phthalate	2,4-Dinitrophenol	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)		0.14 [2]	0.014 [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]	0.0000017 [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-100713	10/7/2013	84.95 - 89.95	28.72	NE	<0.0055	<0.022	<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	<0.021	<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	<0.0059	<0.024	<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	<0.0056	<0.022 UJ	<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	<0.022	<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	<0.022	<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	<0.022	<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	<0.022	<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	<0.03	<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		29.31	NE	<0.01	<0.03	<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
	MW6C-ROX-040716	4/7/2016		28.91	NE	<0.01	<0.03	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	0.00003 J	0.000055 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-071116	7/11/2016	84.95 - 89.95	28.30	NE	0.00059 J	<0.03	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	0.000043 J	0.000047 J	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01 UJ
MW-06D	MW6D-ROX-100713	10/7/2013	104.72 - 109.72	28.58	NE	<0.0054	<0.022	<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	<0.021	<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	<0.0055	<0.022	<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	<0.0056	<0.022 UJ	<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	<0.0054	<0.022 UJ	<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	<0.022	<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	<0.022	<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	<0.022	<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	<0.0056	<0.022	<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	<0.021	<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	<0.022	<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	<0.03	<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		29.59	NE	<0.01	<0.03	<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	<0.03	<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-040716	4/7/2016		28.76	NE	<0.01	<0.03	<0.01	<0.01	<0.0002	0.00005 J	<0.01	<0.01	<0.0002	<0.01	0.000051 J	0.0001 J	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	0.0001 J	<0.01	<0.0002	<0.01
	MW6D-ROX-040716-DUP	4/7/2016		28.76	NE	<0.01	<0.03	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	0.000034 J	0.000064 J	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	0.000045 J	<0.01	<0.0002	<0.01
	MW6D-ROX-071116	7/11/2016	104.72 - 109.72	28.16	NE	0.00079 J	<0.03	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	0.000045 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 UJ
	MW6D-ROX-071116-DUP	7/11/2016		28.16	NE	0.00082 J	<0.03	<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 UJ

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						SVOCs																					
						Di-n-octyl phthalate	2,4-Dinitrophenol	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)	**0.14** [2]	**0.014** [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]	**0.0000017** [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-07	MW7-ROX-101613	10/16/2013	42.92 - 52.92	40.64	NE	<0.0055	<0.022	<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	<0.005	<0.02	<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	<0.0052	<0.021	<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	<0.0052	<0.021	<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	<0.0052	<0.021	<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	<0.022	<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	<0.023	<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	<0.0053	<0.021	<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	<0.0052	<0.021	<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	<0.02	<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	<0.02	<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	<0.0051	<0.02	<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	<0.0052	<0.021	<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	<0.03	<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	<0.03	<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		41.02	NE	<0.01	<0.03	<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	<0.03	<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
	MW7-ROX-041916	4/19/2016		40.68	NE	<0.01	<0.03	<0.01	<0.01	<0.0002	<0.0002	<0.01	0.0023 J	<0.0002	<0.01	0.0034	0.0051	<0.01	0.0034 J	<0.01	<0.01	<0.01	<0.01	<0.02	0.00021	0.25	<0.0002	<0.01
	MW7-ROX-041916-DUP	4/19/2016		40.68	NE	<0.01	<0.03	<0.01	<0.01	<0.0002	<0.0002	<0.01	0.0022 J	<0.0002	<0.01	0.004	0.0059	<0.01	0.0026 J	<0.01	<0.01	<0.01	<0.01	<0.02	0.00025	0.18	<0.0002	<0.01
	MW7-ROX-071416	7/14/2016	42.92 - 52.92	39.99	NE	<0.00075 U	<0.03	<0.01	<0.01	<0.0002	0.00026	<0.01	<0.01	<0.0002	<0.01	0.004 J	0.005 J	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	0.00041	0.16	<0.0002	<0.01
	MW7-ROX-071416-DUP	7/14/2016		39.99	NE	<0.01	<0.03	<0.01	<0.01	<0.0002	0.00018 J	<0.01	0.0014 J	<0.0002	<0.01	0.0028 J	0.0034 J	<0.01	0.0026 J	<0.01	<0.01	<0.01	<0.01	<0.02	0.00031	0.19	<0.0002	<0.01
MW-08	MW8-ROX-101613	10/16/2013	33.60 - 43.60	31.59	NE	<0.0054	<0.022	<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	<0.024	<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	<0.0051	<0.02	<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	<0.0054	<0.022	<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	<0.0056	<0.022	<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	<0.0051	<0.02	<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	<0.0052	<0.021	<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	<0.022	<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	<0.0052	<0.021	<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	<0.021	<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	<0.021	<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	<0.03	<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		31.79	NE	<0.01	<0.03	<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
	MW8-ROX-041916	4/19/2016		31.45	NE	<0.01	<0.03	<0.01	<0.01	<0.0002	0.00035	<0.01	0.0019 J	<0.0002	<0.01	0.014	0.0063	0.0028 J	0.0036 J	<0.01	<0.01	<0.01	<0.01	<0.02	0.00013 J	0.27	<0.0002	<0.01
	MW8-ROX-071416	7/14/2016	33.60 - 43.60	30.80	NE	<0.00071 U	<0.03	<0.01	<0.01	<0.0002	0.00024	<0.01	0.0014 J	<0.0002	<0.01	0.0082	0.0038	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.0002	0.13	<0.0002	<0.01
MW-09	MW9-ROX-100313	10/3/2013	46.45 - 56.45	42.27	NE	<0.005	<0.02	<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	<0.021 UJ	<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	<0.0056	<0.022	<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	<0.0054	<0.022 UJ	<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	<0.024	<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	<0.0052	<0.021	<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	<0.021	<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	<0.0055	<0.022	<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	<0.03	<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		42.63	NE	<0.01	<0.03	<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
	MW9-ROX-041216	4/12/2016		41.98	NE	<0.01	<0.03	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	<0.0002	0.000025 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-071316	7/13/2016	46.45 - 56.45	40.93	NE	<0.00066 U	<0.03	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	0.000027 J	0.000027 J	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01 UJ

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						SVOCs																				
						Di-n-octyl phthalate	2,4-Dinitrophenol	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)		0.14 [2]	0.014 [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]	0.0000017 [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-10	MW10-ROX-100313	10/3/2013	44.43 - 54.43	42.38	NE	<0.0056	<0.022	<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	<0.022 UJ	<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	<0.0053	<0.021	<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	<0.0054	<0.022 UJ	<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	<0.023	<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	<0.022	<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	<0.02	<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	<0.0054	<0.022	<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	<0.03	<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		42.53	NE	<0.01	<0.03	<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
	MW10-ROX-041116	4/11/2016		41.88	NE	<0.01	<0.03	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	<0.0002	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
	MW10-ROX-071316	7/13/2016	44.43 - 54.43	41.00	NE	<0.00056 U	<0.03	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	0.00003 J	0.000033 J	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01 UJ
MW-11	MW11-ROX-100713	10/7/2013	41.66 - 51.66	39.95	NE	<0.0055	<0.022	<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	<0.022	<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	<0.0056	<0.022	<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	<0.0057	<0.023 UJ	<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	<0.021	<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	<0.022	<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	<0.022	<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	<0.022	<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	<0.03	<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		40.33	NE	<0.01	<0.03	<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
	MW11-ROX-041116	4/11/2016		39.49	NE	<0.01	<0.03	<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
	MW11-ROX-071316	7/13/2016	41.66 - 51.66	38.59	NE	<0.00065 U	<0.03	<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 UJ
MW-12	MW12-ROX-100713	10/7/2013	41.92 - 51.92	40.22	NE	<0.0055	<0.021 UJ	<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	<0.021 UJ	<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	<0.0051	<0.02	<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	<0.0056	<0.022 UJ	<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	<0.021	<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	<0.0056	<0.022	<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	<0.021	<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	<0.022	<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	<0.03	<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	<0.03	<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		40.98	NE	<0.01	<0.03	<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
	MW12-ROX-040716	4/7/2016		39.82	NE	<0.01	<0.03	<0.01	<0.01	0.000074 J	0.000069 J	<0.01	<0.01	0.000064 J	<0.01	0.000046 J	0.000086 J	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	0.00014 J	<0.01	0.000039 J	<0.01
	MW12-ROX-071216	7/12/2016	41.92 - 51.92	38.89	NE	0.00055 J J	<0.03	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	<0.0002	0.000051 J J	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01 UJ
MW-13	MW13-ROX-100913	10/9/2013	25.57 - 35.57	26.94	NE	<0.0052	<0.021	<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	<0.022	<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	<0.006	<0.024	<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	<0.022	<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	<0.024	<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	<0.0053	<0.021	<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	<0.022	<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	<0.021	<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	<0.03	<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		27.16	NE	<0.01	<0.03	<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
	MW13-ROX-040816	4/8/2016		26.81	NE	<0.01	<0.03	<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
	MW13-ROX-071116	7/11/2016	25.57 - 35.57	26.01	NE	<0.01	<0.03	<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 UJ

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						SVOCs																					
						Di-n-octyl phthalate	2,4-Dinitrophenol	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)	0.14 [2]	0.014 [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]	0.0000017 [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-101013	10/10/2013	33.42 - 43.42	30.80	NE	<0.0057	<0.023	<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	<0.0054	<0.022	<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	<0.006	<0.024	<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	<0.0054	<0.022	<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	<0.0056	<0.022	<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	<0.021	<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	<0.021	<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	<0.0052	<0.021	<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	<0.03	<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		31.64	NE	<0.01	<0.03	<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
	MW14-ROX-041416	4/14/2016		31.32	NE	<0.01	<0.03	<0.01	<0.01	<0.0002	0.000084 J	<0.01	<0.01	<0.0002	<0.01	0.000084 J	0.00004 J	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW14-ROX-071116	7/11/2016	33.42 - 43.42	30.59	NE	0.00054 J J	<0.03	<0.01	<0.01	<0.0002	0.000029 J	<0.01	<0.01	<0.0002	<0.01	0.000057 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 UJ
MW-16	MW16-ROX-100813	10/8/2013	37.06 - 47.06	41.62	NE	<0.0052 UJ	<0.021 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	<0.021	<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	<0.0059	<0.024	<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	<0.0054	<0.022 UJ	<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	<0.024	<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	<0.021	<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	<0.021	<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	<0.0055	<0.022	<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	<0.022	<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	<0.03	<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		41.99	NE	<0.01	<0.03	<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
	MW16-ROX-040816	4/8/2016		41.17	NE	<0.01	<0.03	<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
	MW16-ROX-071216	7/12/2016	37.06 - 47.06	39.93	NE	0.00072 J J	<0.03	<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 UJ
MW-22	MW22-ROX-100913	10/9/2013	37.88 - 47.88	40.39	NE	<0.0054	<0.022	<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	<0.022	<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	<0.11	<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	<0.11	<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	<0.028	<0.11	<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	<0.028	<0.11	<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	<0.0054	<0.022	<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	<0.025	<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	<0.021	<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	<0.021	<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	<0.11	<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	<0.03	<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		40.42	NE	<0.01	<0.03	<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	<0.03	<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
	MW22-ROX-041316	4/13/2016		39.56	NE	<0.01 UJ	<0.03 UJ	<0.01 UJ	<0.01 UJ	<0.0002	<0.0002	<0.01 UJ	0.032 H J	<0.0002	<0.01 UJ	0.019	0.026	<0.01 UJ	0.018 J H J	<0.01 UJ	<0.01 UJ	<0.01 UJ	<0.01 UJ	<0.02 UJ	<0.0002	<0.01 UJ	<0.0002	<0.01 UJ
	MW22-ROX-041316-DUP	4/13/2016		39.56	NE	<0.01	<0.03	<0.01	<0.01	<0.0002	<0.0002	<0.01	0.02	<0.0002	<0.01	0.014	0.016	0.016	0.014 J	<0.01	<0.01	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW22-ROX-071516	7/15/2016	37.88 - 47.88	38.97	NE	<0.00072 U	<0.03	<0.01	<0.01	<0.0002	<0.0002	<0.01	0.0043 J	<0.0002	<0.01	0.0032 J	0.0048	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01 UJ
	MW22-ROX-071516-DUP	7/15/2016		38.97	NE	<0.00086 U	<0.03	<0.01	<0.01	<0.0002	<0.0002	<0.01	0.005 J	<0.0002	<0.01	0.0041 J	0.006	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01 UJ

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						SVOCs																					
						Di-n-octyl phthalate	2,4-Dinitrophenol	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)	0.14 [2]	0.014 [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]	0.0000017 [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-23	MW23-ROX-012615	1/26/2015	29.02 - 39.02	30.90	NE	<0.005	<0.025	<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	<0.02	<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	<0.022	<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	<0.03	<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		28.78	NE	<0.01	<0.03	<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
	MW-23-ROX-040616	4/6/2016		27.96	NE	<0.01	<0.03	<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-23-ROX-070816	7/8/2016	29.02 - 39.02	27.54	NE	<0.0015 U	<0.03	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	0.000033 J	0.000039 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
MW-24	MW24-ROX-100913	10/9/2013	38.89 - 48.89	41.27	NE	<0.0053	<0.021	<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	<0.021	<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	<0.0056	<0.022	<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	<0.021	<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	<0.022	<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	<0.0053	<0.021	<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	<0.021	<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	<0.021	<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	<0.03	<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		41.44	NE	<0.01	<0.03	<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
	MW24-ROX-040816	4/8/2016		40.79	NE	<0.01	<0.03	<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
	MW24-ROX-071216	7/12/2016	38.89 - 48.89	39.67	NE	0.00073 J J	<0.03	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	0.00003 J	0.000035 J J	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01 UJ
MW-25	MW25-ROX-102114	10/21/2014	35.59 - 45.59	36.44	NE	<0.0056	<0.022	<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	<0.0052	<0.021	<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	<0.02	<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	<0.021	<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	<0.03	<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		36.12	NE	<0.01	<0.03	<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
	MW25-ROX-041916	4/19/2016		35.67	NE	<0.01	<0.03	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	0.00031	0.00015 J	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.0002	0.031	<0.0002	<0.01
	MW25-ROX-071816	7/18/2016	35.59 - 45.59	35.19	NE	<0.0023 UJ	<0.03 UJ	<0.01 UJ	<0.01 UJ	<0.0002 UJ	<0.0002 UJ	<0.01 UJ	<0.01 UJ	<0.0002 UJ	<0.01 UJ	0.000067 J H J	0.000047 J H J	<0.01 UJ	<0.02 UJ	<0.01 UJ	<0.01 UJ	<0.01 UJ	<0.01 UJ	<0.02 UJ	<0.0002 UJ	0.02 H J	<0.0002 UJ	<0.01 UJ
MW-26	MW26-ROX-102114	10/21/2014	38.15 - 48.15	39.43	NE	<0.0053	<0.021	<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	<0.021	<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	<0.021	<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	<0.021	<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	0.00055 J	<0.03	<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		39.55	NE	<0.01	<0.03	<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
	MW26-ROX-040616	4/6/2016		38.44	NE	<0.01	<0.03	<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
	MW26-ROX-071216	7/12/2016	38.15 - 48.15	37.74	NE	0.00058 J J	<0.03	<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 UJ
MW-27	MW27-ROX-102114	10/21/2014	39.79 - 49.79	41.57	NE	<0.0053	<0.021	<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	<0.0053 UJ	<0.021	<0.011	<0.025	<0.00011	0.000023 J J	<0.0053		0.000047 J J	<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	<0.022	<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	<0.022	<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	<0.03	<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		40.68	NE	<0.01	<0.03	<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
	MW27-ROX-041116	4/11/2016		39.73	NE	<0.01	<0.03	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	0.000034 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
	MW-27-ROX-071316	7/13/2016	39.79 - 49.79	38.94	NE	<0.00054 U	<0.03	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	0.00002 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 UJ

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						SVOCs																						
						Di-n-octyl phthalate	2,4-Dinitrophenol	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)	0.14 [2]	0.014 [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]	0.0000017 [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-28	MW28-ROX-102114	10/21/2014	33.61 - 43.61	36.44	NE	<0.0053	<0.021	<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	<0.0055	<0.022	<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	<0.023	<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	<0.022	<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	<0.03	<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	<0.03	<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		39.98	NE	<0.01	<0.03	<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
	MW28-ROX-041216	4/12/2016		39.20	NE	<0.01	<0.03	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	0.000048 J	0.000055 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-071416	7/14/2016	33.61 - 43.61	38.49	NE	<0.00084 U	<0.03	<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-54	P54-ROX-100813	10/8/2013	38.00 - 63.00	39.94	NE	<0.0057	<0.023	<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	<0.022	<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	<0.006	<0.024	<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	<0.0054	<0.022	<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	<0.022	<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	<0.022	<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	<0.021	<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	<0.021	<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	<0.03	<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		40.22	NE	<0.01	<0.03	<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
	P54-ROX-041216	4/12/2016		39.42	NE	<0.01	<0.03	<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
	P54-ROX-071216	7/12/2016	38.00 - 63.00	38.44	NE	0.00083 J J	<0.03	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	0.000038 J	0.000049 J J	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01 UJ
P-55	P55-ROX-101013	10/10/2013	40.43 - 50.43			<0.0055	<0.022	<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-101013	10/10/2013	40.82 - 65.82	44.48	NE	<0.0055	<0.022	<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	<0.021	<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	<0.0059	<0.024	<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	<0.022	<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	<0.0054	<0.022	<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	<0.022	<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	<0.022	<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	<0.021	<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	<0.03	<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		44.78	NE	<0.01	<0.03	<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
	P56-ROX-041416	4/14/2016		43.73	NE	<0.01	<0.03	<0.01	<0.01	<0.0002	0.00014 J	<0.01	<0.01	<0.0002	<0.01	0.02	0.021	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	0.0011	<0.01	<0.0002	<0.01
	P56-ROX-071216	7/12/2016	40.82 - 65.82	42.87	NE	0.00093 J J	<0.03	<0.01	<0.01	<0.0002	0.00019 J	<0.01	<0.01	<0.0002	<0.01	0.011	0.011	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	0.00053	<0.01	<0.0002	<0.01 UJ
P-57	P57-ROX-101413	10/14/2013	40.46 - 65.46	44.38	NE	<0.0054	<0.022	<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	<0.021	<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	<0.0056	<0.022	<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	<0.0053	<0.021	<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	<0.0054	<0.022	<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	<0.0058	<0.023	<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	<0.0056	<0.022	<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	<0.0053	<0.021	<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	<0.0052	<0.021	<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	<0.0053	<0.021	<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	<0.03	<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		45.61	NE	<0.01	<0.03	<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
	P57-ROX-041816	4/18/2016		44.80	NE	<0.01 UJ	<0.03 UJ	<0.01 UJ	<0.01 UJ	<0.0002 UJ	0.00044 H J	<0.01 UJ	0.0012 J H J	<0.0002 UJ	<0.01 UJ	0.019 H J	0.027 H J	<0.01 UJ	0.0012 J H J	<0.01 UJ	<0.01 UJ	<0.01 UJ	<0.01 UJ	<0.02 UJ	0.00037 H J	0.42 H J	<0.0002 UJ	<0.01 UJ
	P57-ROX-071316	7/13/2016	44.19 - 54.19	44.20	NE	<0.00069 U	<0.03	<0.01	<0.01	<0.001	0.00053 J	<0.01	<0.01	<0.001	<0.01	0.026	0.036	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	0.00053 J	0.73	<0.001	<0.01 UJ

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						SVOCs																				
						Di-n-octyl phthalate	2,4-Dinitrophenol	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)			0.14 [2]	0.014 [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]	0.0000017 [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-101413	10/14/2013	40.21 - 65.21	42.19	NE	<0.0054	<0.022	<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	<0.021	<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	0.00072 J	<0.021 UJ	<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	<0.0055	<0.022 UJ	<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	<0.022	<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	<0.0053	<0.021	<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	<0.0052	<0.021	<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	<0.0055	<0.022	<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	<0.03	<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		43.18	NE	<0.01	<0.03	<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
	P58-ROX-041816	4/18/2016		42.68	NE	<0.01 UJ	<0.03 UJ	<0.01 UJ	<0.01 UJ	<0.0002 UJ	0.0012 H J	<0.01 UJ	0.002 J H J	<0.0002 UJ	<0.01 UJ	0.061 H J	0.077 H J	<0.01 UJ	0.0035 J H J	<0.01 UJ	<0.01 UJ	<0.01 UJ	<0.01 UJ	<0.02 UJ	0.001 H J	0.45 H J	0.00024 H J	<0.01 UJ
	P58-ROX-071516	7/15/2016	40.21 - 65.21	42.05	NE	<0.00098 U	<0.03	<0.01	<0.01	<0.0002	0.00063	<0.01	0.0013 J	<0.0002	<0.01	0.024	0.033	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	0.002 J	0.00032	0.21	<0.0002	<0.01 UJ
P-59	P59-ROX-101013	10/10/2013	47.91 - 72.91	45.50	NE	0.00091 J	<0.022	<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	<0.021	<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	<0.021	<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	<0.0057	<0.023	<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	<0.0054	<0.022	<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	<0.022	<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	<0.022	<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	<0.022	<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	<0.03	<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		46.10	NE	0.00049 J	<0.03	<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
	P59-ROX-041816	4/18/2016		44.28	NE	<0.01 UJ	<0.03 UJ	<0.01 UJ	<0.01 UJ	0.00022 J	0.00024 J	<0.01 UJ	0.011 J	0.000044 J J	<0.01 UJ	0.011 J	0.017 J	0.0021 J J	0.0033 J J	<0.01 UJ	<0.01 UJ	<0.01 UJ	<0.01 UJ	<0.02 UJ	0.000093 J J	0.044 J	0.00016 J J	<0.01 UJ
	P59-ROX-071316	7/13/2016	47.91 - 72.91	43.67	NE	<0.00079 U	<0.03	<0.01	<0.01	<0.001	<0.001	<0.01	<0.01	<0.001	<0.01	0.018	0.021	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.001	<0.01	<0.001	<0.01 UJ
P-66	P66-ROX-101013	10/10/2013	34.72 - 59.72	33.66	NE	<0.0056	<0.022	<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	<0.021	<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	<0.0058	<0.023	<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	<0.0056	<0.022	<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	<0.0055	<0.022	<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	<0.0053	<0.021	<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	<0.022	<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	<0.022	<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	<0.021	<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	<0.021	<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	<0.021	<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	<0.03	<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		34.64	NE	<0.01	<0.03	<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
	P66-ROX-041516	4/15/2016		34.33	NE	<0.01	<0.03	<0.01	<0.01	0.000042 J	0.00049	<0.01	<0.01	<0.0002	<0.01	0.027	0.0099	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	0.00035	<0.01	0.000054 J	<0.01
	P66-ROX-071116	7/11/2016	34.72 - 59.72	33.58	NE	<0.01	<0.03	<0.01	<0.01	<0.001	0.00091 J	<0.01	<0.01	<0.001	<0.01	0.062	0.013	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	0.00054 J	<0.01	<0.001	<0.01 UJ

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						SVOCs																					
						Di-n-octyl phthalate	2,4-Dinitrophenol	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)		0.14 [2]	0.014 [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]	0.0000017 [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-101413	10/14/2013	44.43 - 69.43	41.72	NE	<0.0054	<0.022	<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	<0.0051	<0.02	<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	<0.0059	<0.024	<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	<0.0057	<0.023	<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	<0.005	<0.02	<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	<0.021	<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	<0.021	<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	<0.022	<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	0.00089 J	<0.03	<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		40.67	NE	0.00063 J B	<0.03	<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
	P74-ROX-041516	4/15/2016		40.40	NE	<0.01	<0.03	<0.01	<0.01	0.000022 J	<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	0.00002 J	<0.01
	P74-ROX-071216	7/12/2016	44.43 - 69.43	39.56	NE	<0.01	<0.03	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	0.0011	0.0011	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01 UJ
P-93A	P93A-ROX-101113	10/11/2013	48.17 - 63.17	44.18	NE	<0.005	<0.02	<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	<0.022	<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	<0.0056	<0.022	<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	<0.0057	<0.023 UJ	<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	<0.0057	<0.023 UJ	<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	<0.0052	<0.021	<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	<0.0054 UJ	<0.022 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	<0.025	<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	<0.021	<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	<0.0052	<0.021	<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	<0.03	<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	<0.03	<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		43.73	NE	<0.01	<0.03	<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	<0.03	<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
	P93A-ROX-041916	4/19/2016		43.08	NE	<0.01	<0.03	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	0.00051	0.00016 J	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	0.000039 J	0.0061 J	<0.0002	<0.01
	P93A-ROX-041916-DUP	4/19/2016		43.08	NE	<0.01	<0.03	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	0.00062	0.00025	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.0002	0.0056 J	<0.0002	<0.01
	P93A-ROX-071316	7/13/2016	43.07 - 53.07	42.42	NE	<0.0012 U	<0.03	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	0.00022	0.0001 J	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.0002	0.0051 J	<0.0002	<0.01 UJ
	P93A-ROX-071316-DUP	7/13/2016		42.42	NE	<0.01	<0.03	<0.01	<0.01	<0.0002	0.00007 J	<0.01	<0.01	<0.0002	<0.01	0.00025	0.00012 J	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.0002	0.0078 J	<0.0002	<0.01 UJ
P-93B	P93B-ROX-101613	10/16/2013	74.60 - 76.60	44.43	NE	<0.005	<0.02	<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	<0.02	<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	<0.0055	<0.022	<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	<0.0051	<0.02	<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	<0.0051	<0.02	<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	<0.0053	<0.021	<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	<0.0052	<0.021	<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	<0.0056	<0.022	<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	<0.0053	<0.021	<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	<0.0053	<0.021	<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	<0.021	<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	<0.021	<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	<0.02	<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	<0.02	<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	<0.03	<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		44.96	NE	<0.01	<0.03	<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
	P93B-ROX-041916	4/19/2016		44.54	NE	<0.01	<0.03	<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	0.21	<0.0002	<0.01
	P93B-ROX-071516	7/15/2016	74.60 - 76.60	43.65	NE	<0.0011 U	<0.03	<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	0.41	<0.0002	<0.01 UJ

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						SVOCs																						
						Di-n-octyl phthalate	2,4-Dinitrophenol	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)	0.14 [2]	0.014 [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]	0.0000017 [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-101613	10/16/2013	94.26 - 96.26	44.31	NE	<0.0051	<0.02	<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	<0.0051	<0.02	<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	<0.0052	<0.021	<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	<0.0052	<0.021	<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	<0.022	<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	48.22	NE	<0.0054	<0.022	<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		48.22	NE				<200																			
	P93C-ROX-041615	4/16/2015		48.22	NE	<0.0054	<0.022	<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	<0.022	<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	<0.03	<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		44.68	NE	<0.01	<0.03	<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
	P93C-ROX-041816	4/18/2016		44.06	NE	<0.01 UJ	<0.03 UJ	<0.01 UJ	<0.01 UJ	0.000023 J J	<0.0002 UJ	<0.01 UJ	<0.01 UJ	<0.0002 UJ	<0.01 UJ	0.000089 J J	0.00013 J J	<0.01 UJ	<0.02 UJ	<0.01 UJ	<0.01 UJ	<0.01 UJ	<0.01 UJ	<0.02 UJ	<0.0002 UJ	<0.01 UJ	<0.0002 UJ	<0.01 UJ
	P93C-ROX-071216	7/12/2016	92.47 - 97.47	43.37	NE	0.00053 J J	<0.03	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	0.000044 J	<0.01	0.000055 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 UJ
P-93D	P93D-ROX-101113	10/11/2013	125.75 - 127.75	44.24	NE	<0.005	<0.02 UJ	<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	<0.021	<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	<0.0053	<0.021	<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	<0.0052	<0.021	<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	<0.0054	<0.022	<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	<0.021	<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	<0.021	<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	<0.02	<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	<0.03	<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		45.10	NE	<0.01	<0.03	<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
	P93D-ROX-041916	4/19/2016		44.61	NE	0.00057 J	<0.03	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	0.000032 J	0.000036 J	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.0002	0.047	<0.0002	<0.01
	P93D-ROX-071516	7/15/2016	125.75 - 127.75	43.83	NE	<0.01	<0.03	<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 UJ
P-114	P114-ROX-101713	10/17/2013	32.67 - 52.67	29.43	NE	<0.0054	<0.022	<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	<0.022	<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	<0.0051	<0.02 UJ	<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	<0.0051	<0.02 UJ	<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	<0.023	<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	<0.0056	<0.022	<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	<0.0053	<0.021	<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	<0.02	<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	<0.03	<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		25.62	NE	<0.01	<0.03	<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
	P114R-ROX-040816	4/8/2016		25.65	NE	<0.01	<0.03	<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-070816	7/8/2016	23.01 - 33.01	24.92	NE	<0.05	<0.15	<0.05	<0.05	<0.0002	<0.0002	<0.05	<0.05	<0.0002	<0.05	<0.0002	<0.0002	<0.05	<0.1	<0.05 UJ	<0.05	<0.05	<0.05	<0.1	<0.0002	<0.05	<0.0002	<0.05 UJ

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						SVOCs																				
						Di-n-octyl phthalate	2,4-Dinitrophenol	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)		0.14 [2]	0.014 [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]	0.0000017 [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	ROST3-MW-ROX-100913	10/9/2013	37.81 - 47.81	40.16	NE	<0.0054	<0.022 UJ	<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	<0.021 UJ	<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	<0.006	<0.024	<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	<0.0054	<0.022	<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	<0.0056	<0.022	<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	<0.0057	<0.023	<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	<0.021	<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	<0.021	<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	0.0028 J	<0.03	<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		40.30	NE	<0.01	<0.03	<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
	ROST3MW-ROX-041216	4/12/2016		39.69	NE	<0.01	<0.03	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	0.002	0.00013 J	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	0.000081 J	<0.01	<0.0002	<0.01
	ROST3MW-ROX-071416	7/14/2016	37.81 - 47.81	38.70	NE	<0.00097 U	<0.03	<0.01	<0.01	<0.0002	0.000043 J	<0.01	<0.01	<0.0002	<0.01	0.0013	0.00077	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	0.00011 J	<0.01	<0.0002	<0.01
ROST-4-PZ(C)	ROST4PZC-ROX-100913	10/9/2013	34.95 - 44.95	39.91	NE	<0.0053	<0.021	<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	<0.02 UJ	<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	<0.0056	<0.022	<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	<0.0053	<0.021	<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	<0.0056	<0.022	<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	<0.0057	<0.023	<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	<0.02	<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		42.59	NE	<0.0052	<0.021	<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	<0.03	<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		40.54	NE	<0.01	<0.03	<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
	ROST4PZC-ROX-041316	4/13/2016		39.61	NE	<0.01	<0.03	<0.01	<0.01	0.000026 J	0.00026	<0.01	<0.01	<0.0002	<0.01	0.02	0.016	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	0.00021	<0.01	0.000028 J	<0.01
	ROST4PZC-ROX-071516	7/15/2016	34.95 - 44.95	38.93	NE	<0.00081 U	<0.03	<0.01	<0.01	<0.0002	0.00019 J	<0.01	<0.01	<0.0002	<0.01	0.0035	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	0.00013 J	<0.01	<0.0002	<0.01 UJ
T-12	T12-ROX-101513	10/15/2013	46.72 - 72.72	43.73	NE	<0.0054	<0.022	<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	<0.0051	<0.02	<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	<0.0056	<0.022	<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	<0.0054	<0.022	<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	<0.0056	<0.022	<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	<0.021	<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	<0.0056	<0.022	<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	<0.022	<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	<0.03	<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		44.13	NE	<0.01	<0.03	<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
	T12-ROX-041516	4/15/2016		42.07	NE	<0.01	<0.03	<0.01	<0.01	0.000027 J	0.0003	<0.01	<0.01	<0.0002	<0.01	0.017	0.024	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	0.00049	0.098	0.000034 J	<0.01
	T12-ROX-071216	7/12/2016	46.83 - 72.83	41.50	NE	0.00076 J J	<0.03	<0.01	<0.01	<0.0002	0.00022	<0.01	<0.01	<0.0002	<0.01	0.0072	0.002	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.0002	0.038	0.000048 J	<0.01 UJ

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).

<#.## Indicates the analyte was not detected above the given reporting limit.

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:

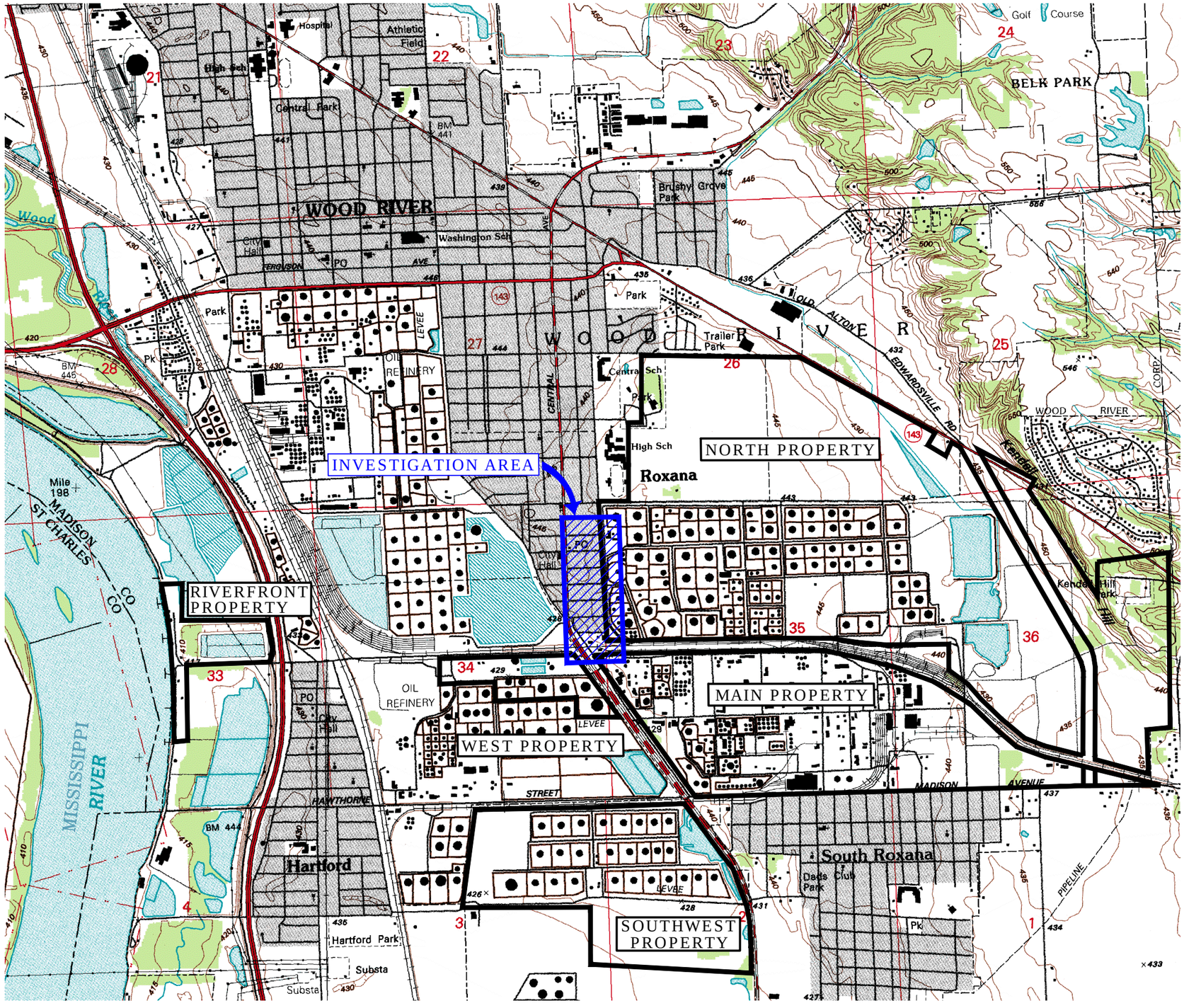
Plan View Model Output – The data input for the plan view model was not limited by depth and was modeled in two dimensions (2D). Regardless of sample depth, benzene concentrations were modeled on a flat horizontal plane.

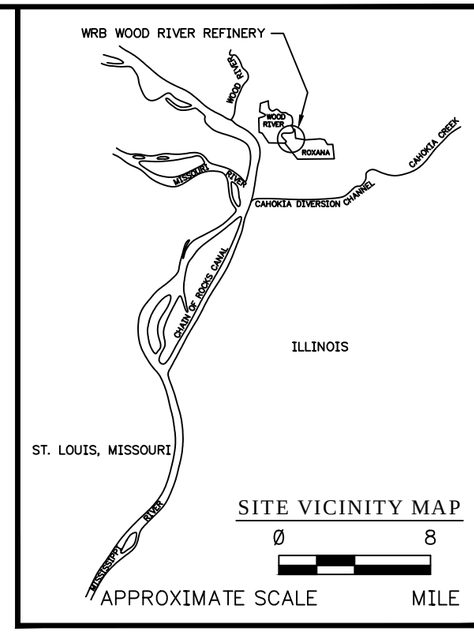
Inward Kriging / Boundary Cut-off – This method of Kriging limits the horizontal extent of data modeling to the extent of the data on the x/y plane in a convex hull.

More simplified, if each sampling 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.

Ø 2ØØØ

APPROXIMATE SCALE FEET

N

SHELL OIL PRODUCTS US INTERIM GROUNDWATER MONITORING PROGRAM ROXANA, ILLINOIS	PROJECT NO. 6Ø477387
AECOM	
DRN. BY: djd October 2Ø16 DSGN. BY: djd CHKD. BY: b3	3Q16 Investigation Area Location Map
	FIG. NO. 1

File: P:\PROJECTS\ENVIRONMENTAL\SHELL\60477387_ROXANA2016\6.0_DELIVERABLES\GROUNDWATER 3Q16\DRAFT REPORT\FIGURES\FIGURE 1 INVESTIGATION AREA LOCATION MAP.DWG Last edited: 10/03/16 @ 08:55 a.m. @ WCC-ST.LOUIS

File: P:\PROJECTS\ENVIRONMENTAL\SHELL\60477387_ROXANA2016\6.0_DELIVERABLES\GROUNDWATER\3Q16\DRAFT REPORT\FIGURES\FIGURE 2 GROUNDWATER MONITORING WELL SAMPLING LOCATIONS.DWG Last edited: OCT. 03, 16 @ 09:01 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
2ND SHEET
VILLAGE OF ROXANA
WOOD RIVER REFINERY
BP
WEST PROPERTY
MAIN PROPERTY
RAND AVENUE
1986 APPROXIMATE BENZENE RELEASE SITE

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

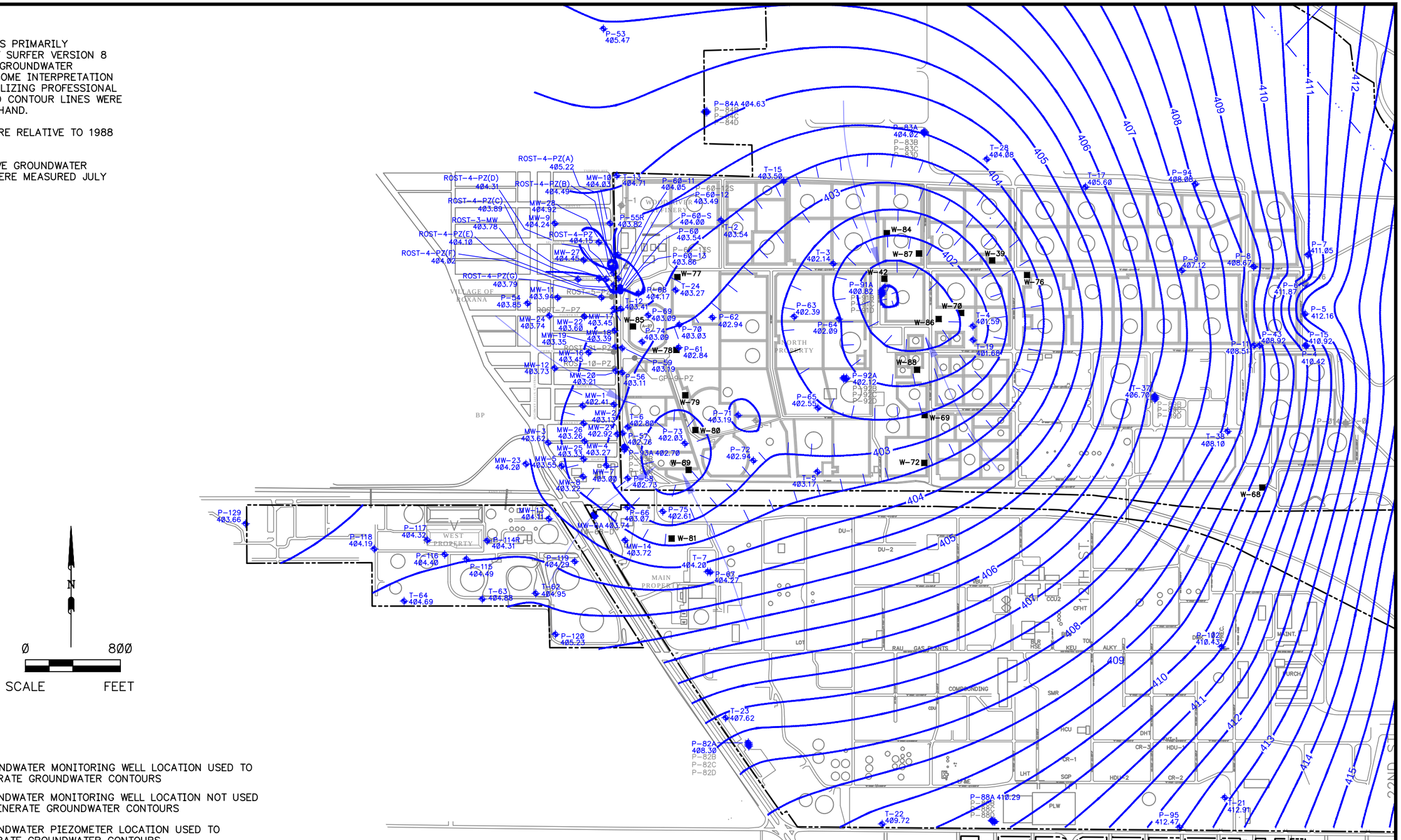
Ø 200
SCALE FEET
N

SHELL OIL PRODUCTS US INTERIM GROUNDWATER MONITORING PROGRAM ROXANA, ILLINOIS		PROJECT NO. 60477387
AECOM		
DRN. BY:djd October 2016 DSGN. BY:lr CHKD. BY:b3	3Q16 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 JULY 5–8, 2016.



File: P:\PROJECTS\ENVIRONMENTAL\SHELL\60477387_ROXANA2016\6.0_DELIVERABLES\GROUNDWATER\3Q16\DRAFT REPORT\FIGURES\FIGURE 3B ROXANNA 3Q16 CONTOUR MAP.DWG Last edited: OCT. 05, 16 @ 1:58 p.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 JULY 5–8, 2016.

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

PZ-1(101) PZ-1(85)
MW-9 404.24
MW-10 404.03
MW-28 404.92
MW-27 404.45
ROST-4-PZ(A) 405.22
P-55R 403.82
ROST-4-PZ 404.15
ROST-4-PZ(B) 404.49
P-60-11 404.05
ROST-4-PZ(C) 403.89
ROST-4-PZ(D) 404.31
P-60 403.54
ROST-3-MW 403.78
ROST-4-PZ(E) 404.10
P-60-S 404.00
P-60-12 403.49
P-60-12S
P-60-13 403.86
P-60-13S
ROST-4-PZ(F) 404.02
MW-11 403.94
P-54 403.85
ROST-4-PZ(G) 403.79
ROST-5-PZ
P-68 404.17
T-24 403.27
MW-17 403.45
T-12 403.41
MW-22 403.60
P-69 403.09
MW-24 403.74
ROST-7-PZ
MW-18 403.39
P-70 403.03
P-74 403.09
MW-19 403.35
P-61 402.84
P-59 403.19
ROST-21-PZ
MW-16 403.45
PZ-2(84) PZ-2(70.5)
ROST-10-PZ
MW-12 403.73
P-56 403.11
MW-20 403.21
MW-1 403.33
MW-2 403.13
T-6 402.80
MW-26 403.26
MW-21 402.92
P-57 402.76
MW-4 403.27
P-73 402.03
MW-3 403.62
P-93A 402.70
P-93B
P-93C
P-93D
MW-25 403.33
MW-7 403.00
MW-23 404.20
MW-5 403.55
MW-8 403.22
P-58 402.73
MW-13 404.11
403.74 MW-6A
MW-6B
MW-6C
MW-6D
P-66 403.07
P-75 402.61
MW-14 403.72
P-114R 404.31
W–77
W–85
W–78
W–79
W–89
W–81
A–27
T-1
404
403

SHELL OIL PRODUCTS US
INTERIM GROUNDWATER MONITORING PROGRAM
ROXANA, ILLINOIS

PROJECT NO. 60477387

AECOM

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

Groundwater Contours 3Q16– West Fenceline

FIG. NO. 3b

0 200 SCALE FEET

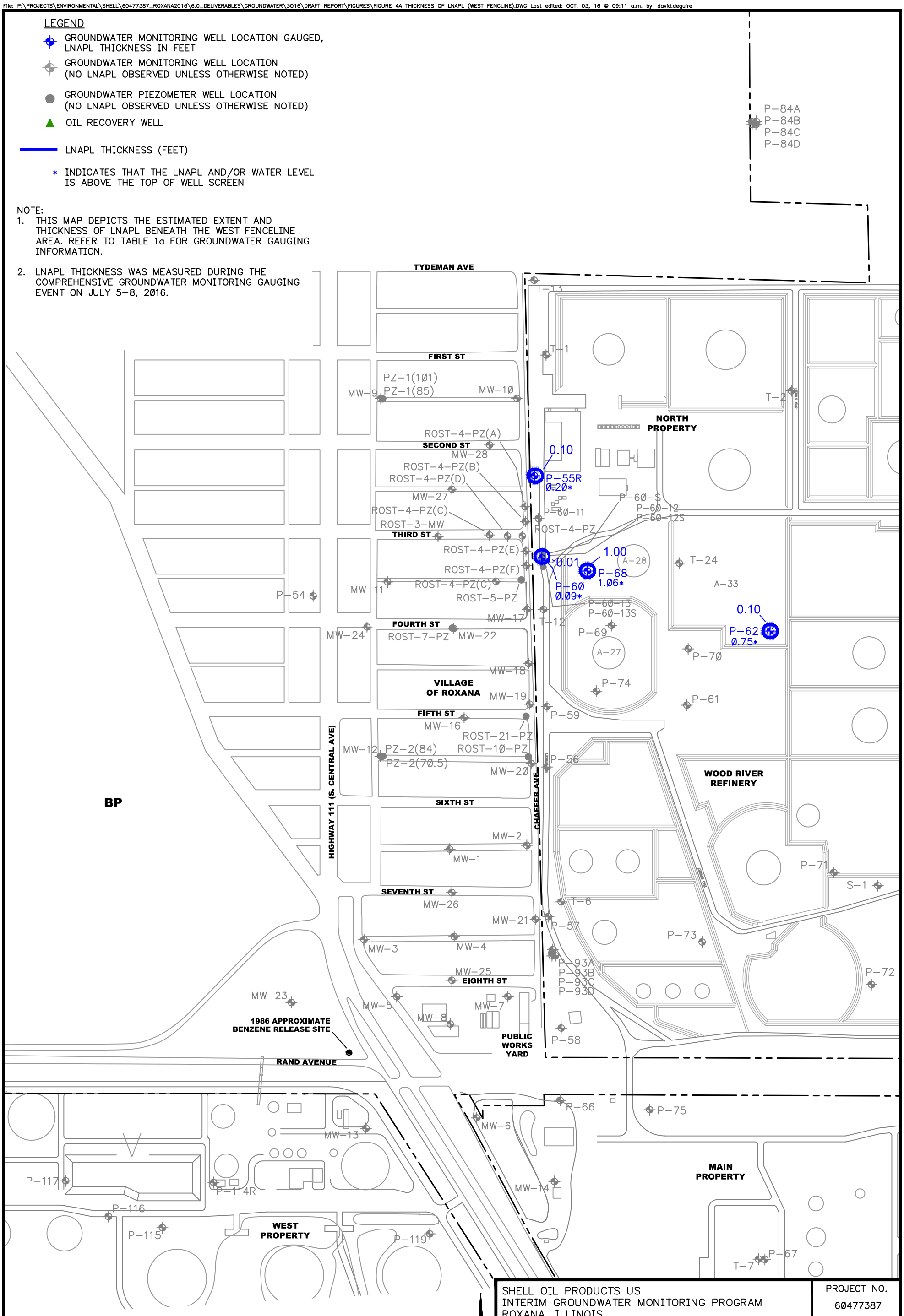
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File: P:\PROJECTS\ENVIRONMENTAL\SHELL\60477387_ROXANA2016\6.0_DELIVERABLES\GROUNDWATER\3Q16\DRAFT REPORT\FIGURES\FIGURE 4A THICKNESS OF LNAPL (WEST FENCLINE).DWG Last edited: OCT. 03, 16 @ 09:11 a.m. by: david.deguire

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

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 JULY 5–8, 2016.

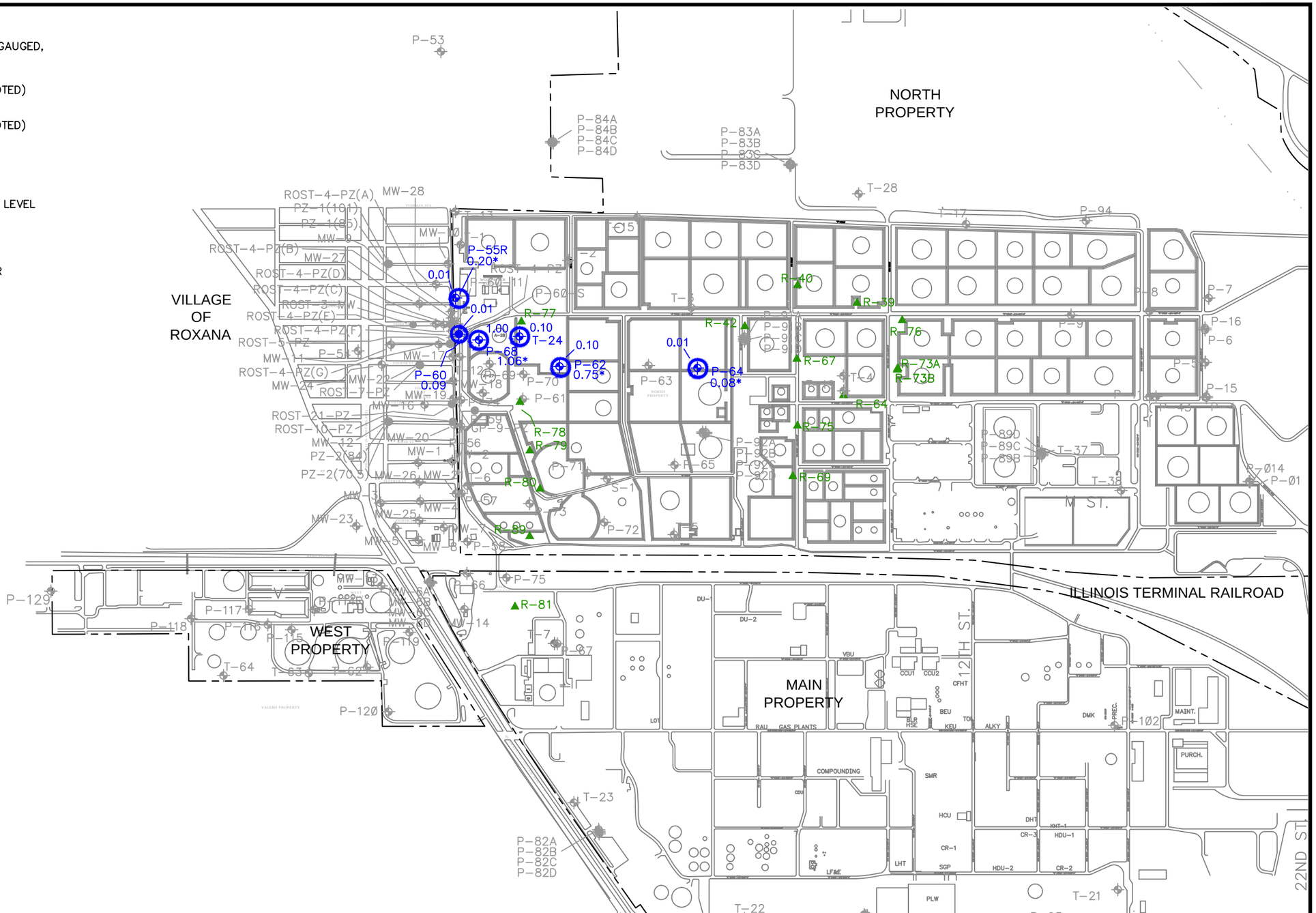


SHELL OIL PRODUCTS US INTERIM GROUNDWATER MONITORING PROGRAM ROXANA, ILLINOIS	PROJECT NO. 60477387
AECOM	
DRN. BY: djd October 2016 DSGN. BY: lr CHKD. BY: bbb	3Q16 Thickness of LNAPL – West Fenceline
	FIG. NO. 4a

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 JULY 5–8, 2016.



SHELL OIL PRODUCTS US INTERIM GROUNDWATER MONITORING PROGRAM ROXANA, ILLINOIS		PROJECT NO. 60477387
AECOM		
DRN. BY: djd October 2016 DSGN. BY: lr CHKD. BY: bbb	3Q16 Thickness of LNAPL	FIG. NO. 4b

File: P:\PROJECTS\ENVIRONMENTAL\SHELL\60477387 - ROXANA\2016\6.0 - DELIVERABLES\GROUNDWATER\3Q16\DRAFT REPORT\FIGURES\FIGURE 4B THICKNESS OF LNAPL (REFINERY).DWG Last edited: OCT. 03, 16 @ 09:13 a.m. by: david.deguire

File: P:\PROJECTS\ENVIRONMENTAL\SHELL\60477387_ROXANA2016\6.0_DELIVERABLES\GROUNDWATER\3Q16\DRAFT_REPORT\FIGURES\FIGURE_5_3Q16_GROUNDWATER_ANALYTICAL_RESULTS_SUMMARY.DWG Last edited: OCT. 03, 16 @ 09:18 a.m. by: david.deguire

LEGEND

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

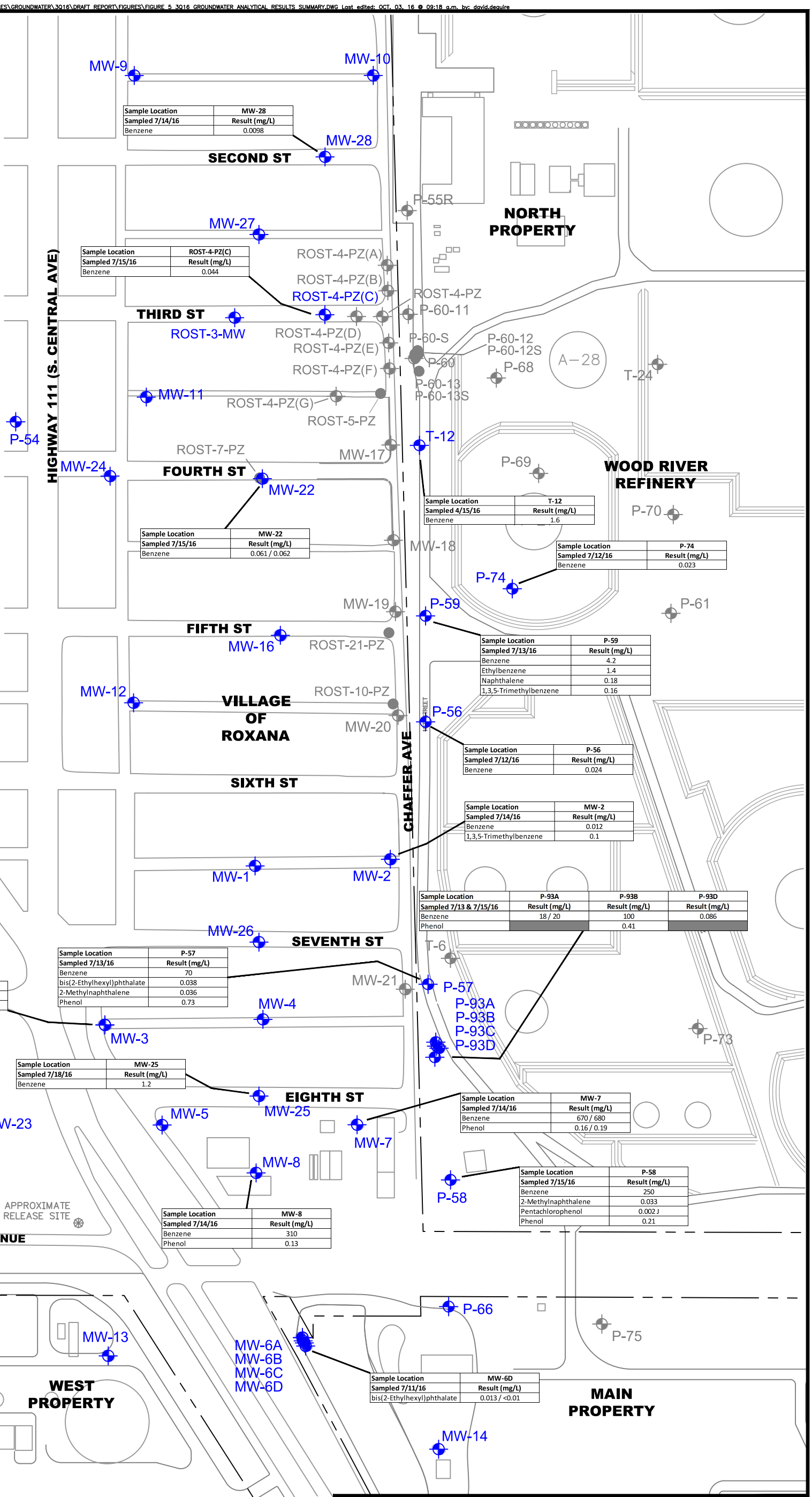
NOTES:

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
1,3,5-Trimethylbenzene	0.07
bis(2-Ethylhexyl)phthalate	0.006
2-Methylnaphthalene	0.028
Pentachlorophenol	0.001
Phenol	0.1

3. J = THE TARGET ANALYTE DETECTED BELOW THE REPORTING LIMIT AND THE RESULT IS ESTIMATED.

   H = SAMPLE WAS PREPPED OR ANALYZED BEYOND THE SPECIFIC HOLDING TIME.
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 3Q16 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 3Q16 DUE TO LACK OF WATER OR INSUFFICIENT AMOUNTS OF WATER TO ALLOW SAMPLING PER SOP. DURING 3Q16, THESE GROUNDWATER PIEZOMETERS WERE REMOVED FROM THE INTERIM GROUNDWATER MONITORING PROGRAM AND WERE ABANDONED.



Sample Location	MW-28
Sampled 7/14/16	Result (mg/L)
Benzene	0.0098

Sample Location	ROST-4-PZ(C)
Sampled 7/15/16	Result (mg/L)
Benzene	0.044

Sample Location	T-12
Sampled 4/15/16	Result (mg/L)
Benzene	1.6

Sample Location	MW-22
Sampled 7/15/16	Result (mg/L)
Benzene	0.061 / 0.062

Sample Location	P-74
Sampled 7/12/16	Result (mg/L)
Benzene	0.023

Sample Location	P-59
Sampled 7/13/16	Result (mg/L)
Benzene	4.2
Ethylbenzene	1.4
Naphthalene	0.18
1,3,5-Trimethylbenzene	0.16

Sample Location	P-56
Sampled 7/12/16	Result (mg/L)
Benzene	0.024

Sample Location	MW-2
Sampled 7/14/16	Result (mg/L)
Benzene	0.012
1,3,5-Trimethylbenzene	0.1

Sample Location	P-93A	P-93B	P-93D
Sampled 7/13 & 7/15/16	Result (mg/L)	Result (mg/L)	Result (mg/L)
Benzene	18 / 20	100	0.086
Phenol		0.41	

Sample Location	P-57
Sampled 7/13/16	Result (mg/L)
Benzene	70
bis(2-Ethylhexyl)phthalate	0.038
2-Methylnaphthalene	0.036
Phenol	0.73

Sample Location	MW-3
Sampled 7/8/16	Result (mg/L)
Pentachlorophenol	0.0018 J H

Sample Location	MW-25
Sampled 7/18/16	Result (mg/L)
Benzene	1.2

Sample Location	MW-7
Sampled 7/14/16	Result (mg/L)
Benzene	670 / 680
Phenol	0.16 / 0.19

Sample Location	P-58
Sampled 7/15/16	Result (mg/L)
Benzene	250
2-Methylnaphthalene	0.033
Pentachlorophenol	0.002 J
Phenol	0.21

Sample Location	MW-8
Sampled 7/14/16	Result (mg/L)
Benzene	310
Phenol	0.13

Sample Location	MW-6D
Sampled 7/11/16	Result (mg/L)
bis(2-Ethylhexyl)phthalate	0.013 / <0.01

SCALE 0 200 FEET

N

SHELL OIL PRODUCTS US
INTERIM GROUNDWATER MONITORING PROGRAM
ROXANA, ILLINOIS

PROJECT NO. 60477387

AECOM

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

3Q16 Groundwater Monitoring Well Analytical Exceedances

FIG. NO. 5

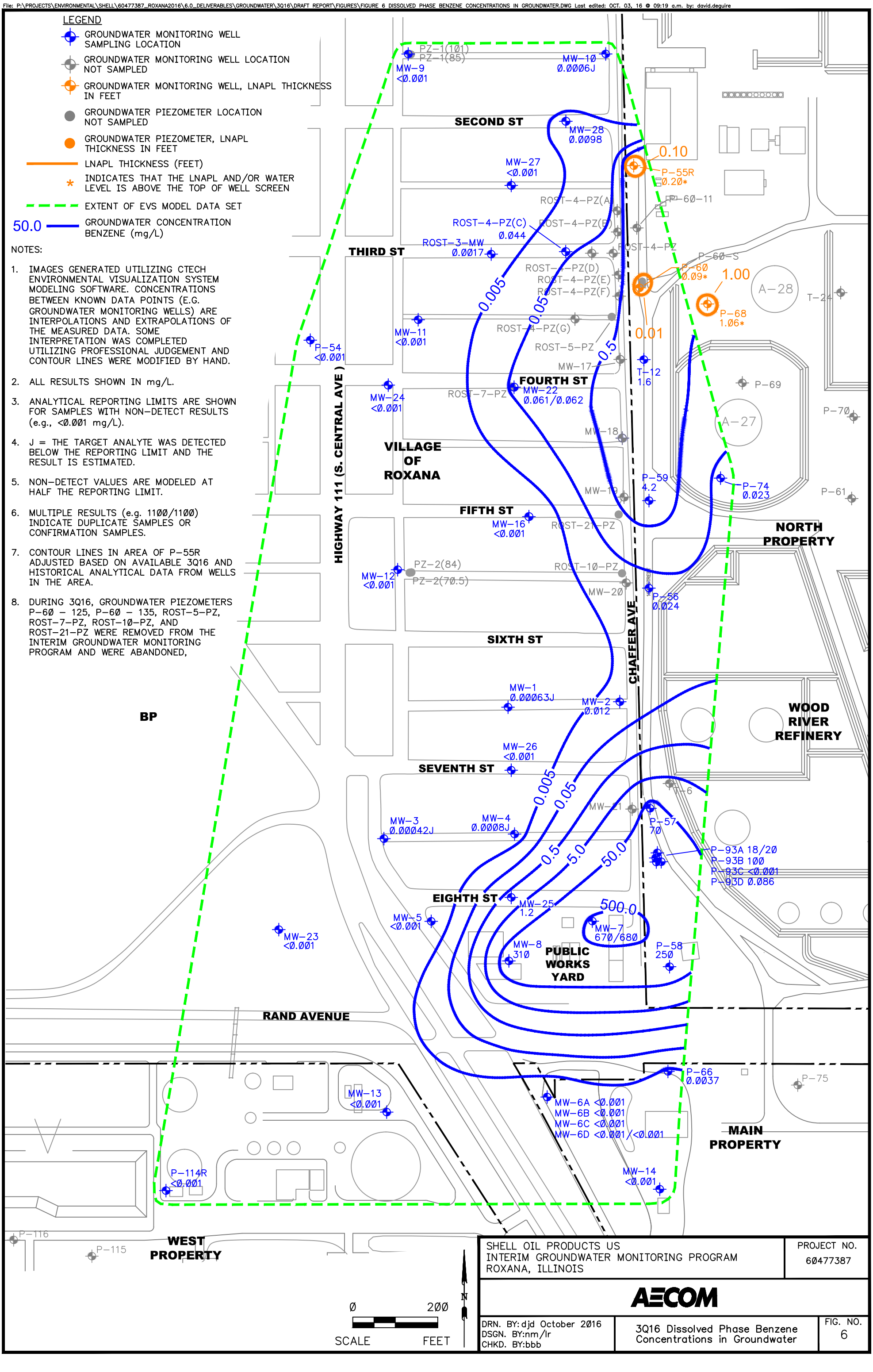
File: P:\PROJECTS\ENVIRONMENTAL\SHELL\60477387_ROXANA2016\6.0_DELIVERABLES\GROUNDWATER\3Q16\DRAFT REPORT\FIGURES\FIGURE 6 DISSOLVED PHASE BENZENE CONCENTRATIONS IN GROUNDWATER.DWG Last edited: OCT. 03, 16 @ 09:19 a.m. by: david.deguire

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. 11ØØ/11ØØ) INDICATE DUPLICATE SAMPLES OR CONFIRMATION SAMPLES.
7. CONTOUR LINES IN AREA OF P-55R ADJUSTED BASED ON AVAILABLE 3Q16 AND HISTORICAL ANALYTICAL DATA FROM WELLS IN THE AREA.
8. DURING 3Q16, GROUNDWATER PIEZOMETERS P-6Ø - 125, P-6Ø - 135, ROST-5-PZ, ROST-7-PZ, ROST-1Ø-PZ, AND ROST-21-PZ WERE REMOVED FROM THE INTERIM GROUNDWATER MONITORING PROGRAM AND WERE ABANDONED,



SHELL OIL PRODUCTS US
INTERIM GROUNDWATER MONITORING PROGRAM
ROXANA, ILLINOIS

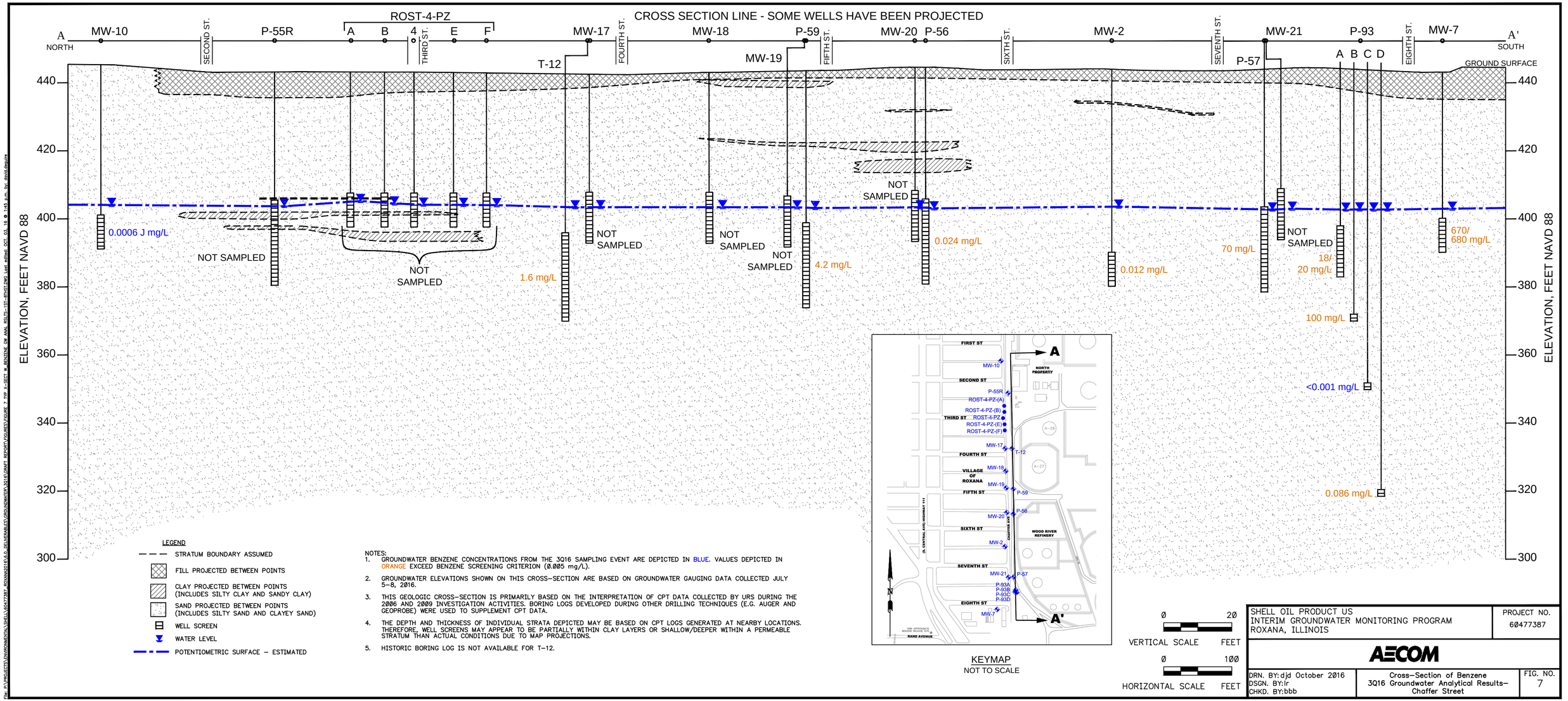
PROJECT NO. 6Ø477387

AECOM

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

3Q16 Dissolved Phase Benzene Concentrations in Groundwater

FIG. NO. 6



NOTES:
1. GROUNDWATER BENZENE CONCENTRATIONS FROM THE 3Q16 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 JULY 5-8, 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 October 2016 DSGN. BY: lr CHKD. BY: bbb	Cross-Section of Benzene 3Q16 Groundwater Analytical Results- Chaffer Street	FIG. NO. 7

File: P:\PROJECTS\ENVIRONMENTAL\SHELL\60477387_ROXANA2016\5.0_DELIVERABLES\GROUNDWATER\3Q16\DRAFT REPORT\FIGURES\FIGURE 7_TYP X-SECT W_BENZENE_OR ANAL RSLTS-1ST-8TH ST.DWG Last edited: OCT. 03, 16 @ 1:45 p.m. by: david.deruiter

CROSS SECTION LINE - SOME WELLS HAVE BEEN PROJECTED

WEST
B

EAST
B'

MW-6D
MW-6C
MW-6B
MW-6A
SVE-27
MW-7
P-93A
P-93B
P-93C
P-93D
T-6

(S. CENTARL AVE)
HIGHWAY 111

EIGHTH ST

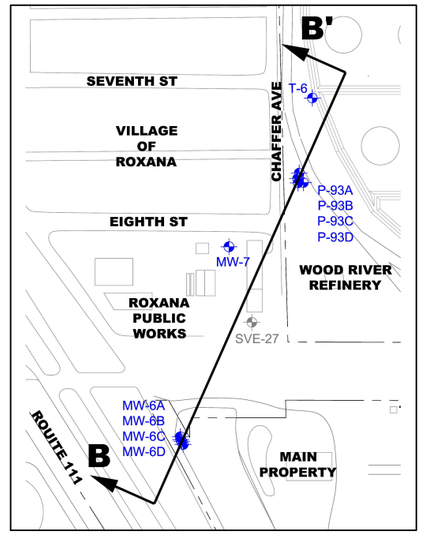
SEVENTH ST

GROUND SURFACE

ELEVATION, FEET NAVD 88

440
420
400
380
360
340
320
300

<0.001 mg/L
<0.001 mg/L
<0.001 mg/L
<0.001/
<0.001 mg/L
670/
680 mg/L
18/
20 mg/L
100 mg/L
<0.001 mg/L
NOT SAMPLED
0.086 mg/L



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 3Q16 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 JULY 5-8, 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 October 2Ø16 DSGN. BY: lr CHKD. BY: wmp	Cross-Section of Benzene 3Q16 Groundwater Analytical Results- Roxana Public Works Yard
	FIG. NO. 8

File: P:\PROJECTS\ENVIRONMENTAL\SHELL\60477387_ROXANA2016\6.0_DELIVERABLES\GROUNDWATER_3Q16\DRAFT REPORT\FIGURES\FIGURE 8 TYP X-SECT W_BENZENE GW ANAL RSLTS-HWY111-CHAFFER.DWG Last edited: OCT. 03, 16 @ 1:40 p.m. by: david.deguire

Appendix A.
Groundwater Sampling Data Sheets

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 3Q16 GW PROJECT NUMBER: 60477387 - 1.03.003 FIELD PERSONNEL: S. Fisher / D. Haxel

DATE: 7-14-16 WEATHER: 90° P. Cloudy

MONITORING WELL ID: MW-1 SAMPLE ID: MW1-ROX-071416

INITIAL DATA

Well Diameter): 2 in
Total Well Depth (btoc): 59.13 ft
Depth to Water (btoc): 39.43 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): 19.70 ft btoc

If Depth to Top of Screen is greater than Depth to Water, and Screen Length is less than or = 10', Place Pump at:
Depth to Top of Screen + ½ * (Screen Length) = 53.80 ft btoc

If Depth to Top of Screen is less than Depth to Water, and Screen Length is less than or = 10', Place Pump at:
Depth to Water + ½ * (Water Column Height) = NA ft btoc

~~If Screen Length is greater than 10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever Is Deeper = ft btoc~~

~~If Screen Length is greater than 10' AND Water Column Height is less than 10', Place Pump at: ½ * (Water Column Height) = ft btoc~~

If Screen Length and/or Water Column Height is less than 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: 0.0 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	1141	39.43	Clear	Egg-like	6.88	1.285	15	1.71	38.44	21.20
600	1142	39.46	↓	↓	6.84	1.301	25	1.18	36.06	20.98
1200	1144	↓			6.82	1.304	33	0.90	31.26	20.63
1800	1145	39.46			6.81	1.305	40	0.66	30.93	20.43
2400	1147	↓			6.81	1.308	46	0.50	29.12	20.37
3000	1148				6.80	1.309	48	0.37	26.50	20.37
3600	1150				6.80	1.309	51	0.30	23.21	20.34
4200	1151	39.47			6.80	1.309	52	0.26	21.23	20.33
4800	1153	↓	↓	↓	6.79	1.310	52	0.21	18.10	20.30

Samuel Fisher

Start Time: 1141
Stop Time: 1153

Elapsed Time (min): 12
Average Purge Rate (mL/min): 400

Water Quality Meter ID & SN: TROLL 9500 - R27884
Date Calibrated: 7-14-16

SAMPLING DATA

Sample Date: 7-14-16
Sample Time: 1155
Lab Analysis: VOC, SVOC
Sample Method: Monsoon Pump / Low Flow
Sample Flow Rate (mL/min): 400
QA/QCSamples: none
VOA Vials, No Headspace ☒ 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: 4800 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 3Q16 GW | PROJECT NUMBER: 60477387 - 1.03.003 | FIELD PERSONNEL: S. Fisher / D. Haxel

DATE: 7-14-16 | WEATHER: 95° Clear

MONITORING WELL ID: MW-2 | SAMPLE ID: MW2-ROX-071416

INITIAL DATA

Well Diameter): 2 in
Total Well Depth (btoc): 60.20 ft
Depth to Water (btoc): 40.77 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): 19.41 ft btoc

If Depth to Top of Screen is greater than Depth to Water, and Screen Length is less than or = 10', Place Pump at:
Depth to Top of Screen + ½ * (Screen Length) = 54.87 ft btoc

If Depth to Top of Screen is less than Depth to Water, and Screen Length is less than or = 10', Place Pump at:
Depth to Water + ½ * (Water Column Height) = N/A ft btoc

~~If Screen Length is greater than 10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever Is Deeper = ft btoc~~

~~If Screen Length is greater than 10' AND Water Column Height is less than 10', Place Pump at: ½ * (Water Column Height) = ft btoc~~

If Screen Length and/or Water Column Height is less than 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: 163.3 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	1351	40.71	clear	moderate	6.90	1.347	-92	0.77	25.33	23.01
600	1353	40.83	↓	↓	6.90	1.350	-97	0.43	23.92	22.54
1200	1354	↓	↓	↓	6.90	1.336	-100	0.21	24.80	21.72
1800	1356	↓	↓	↓	6.89	1.318	-102	0.10	24.76	21.40
2400	1357	↓	↓	↓	6.88	1.303	-104	0.08	24.57	21.24
3000	1359	40.83	↓	↓	6.88	1.293	-105	0.06	24.67	21.14

Samuel Fisher

Start Time: 1351 | Elapsed Time (min): 8 | Water Quality Meter ID & SN: TROLL 9500 -- R27884

Stop Time: 1359 | Average Purge Rate (mL/min): 400 | Date Calibrated: 7-14-16

SAMPLING DATA

Sample Date: 7-14-16 | Sample Time: 1405 | 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: 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: 3000 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 3Q16 GW PROJECT NUMBER: 60477387 - 1.03.003 FIELD PERSONNEL: K. WALKOWSKA / D. HAXEL

DATE: 7-8-2016 WEATHER: partly cloudy 85°

MONITORING WELL ID: MW-3 SAMPLE ID: MW3-ROX-070816

INITIAL DATA

Well Diameter): 2 in
Total Well Depth (btoc): 45.00 ft
Depth to Water (btoc): 26.51 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): ~~8.16~~ 18.49 ft btoc

If Depth to Top of Screen is greater than Depth to Water, and Screen Length is less than or = 10', Place Pump at:
Depth to Top of Screen + ½ * (Screen Length) = 39.67 ft btoc

If Depth to Top of Screen is less than Depth to Water, and Screen Length is less than or = 10', Place Pump at:
Depth to Water + ½ * (Water Column Height) = NA ft btoc

~~If Screen Length is greater than 10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever Is Deeper = ft btoc~~

~~If Screen Length is greater than 10' AND Water Column Height is less than 10', Place Pump at: ½ * (Water Column Height) = ft btoc~~

If Screen Length and/or Water Column Height is less than 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: 0.0 ppm
Wellbore PID/FID Reading: 0.0 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	1214	26.56	clear	mod HC like	7.18	1347	-183	0.29	21.91	21.18
800	1216	—	clear	" "	7.18	1335	-182	0.21	18.16	21.04
1600	1218	25.59	clear	mod HC like	7.18	1324	-182	0.11	14.108	20.88
2400	1220	↓	clear	slig HC like	7.18	1309	-182	0.08	13.86	20.85
3200	1222		clear	slig HC like	7.18	1305	-182	0.07	13.78	20.86
4000	1224		clear	slig HC like	7.18	1304	-182	0.06	15.60	20.74
4800	1226		" "	" "	7.18	1304	-182	0.05	16.82	20.71

8 July 2016

Start Time: 1214 Elapsed Time (min): 12 Water Quality Meter ID & SN: TROLL 9500 - R27884

Stop Time: 1226 Average Purge Rate (mL/min): 400 Date Calibrated: 8 July 2016

SAMPLING DATA

Sample Date: 8 July 2016 Sample Time: 1235 Lab Analysis: VOC, SVOC

Sample Method: Monsoon Pump / Low Flow Sample Flow Rate (mL/min): 480 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)

Total Purge Volume: 4800 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 3Q16 GW PROJECT NUMBER: 60477387 - 1.03.003 FIELD PERSONNEL: J. Peters C. Williams

DATE: 7-14-16 WEATHER: Sunny

MONITORING WELL ID: MW-4 SAMPLE ID: MW-4-ROX-071416

INITIAL DATA

Well Diameter): 2 in
Total Well Depth (btoc): 55.39 ft
Depth to Water (btoc): 37.85 ft
Depth to LNAPL/DNAPL (btoc): NE ft
Depth to Top of Screen (btoc): 45.06 ft
Screen Length: 10 ft

Water Column Height (do not include LNAPL or DNAPL): 17.54 ft btoc

If Depth to Top of Screen is greater than Depth to Water, and Screen Length is less than or = 10', Place Pump at:
Depth to Top of Screen + ½ * (Screen Length) = 50.06 ft btoc

If Depth to Top of Screen is less than Depth to Water, and Screen Length is less than or = 10', Place Pump at:
Depth to Water + ½ * (Water Column Height) = NA ft btoc

~~If Screen Length is greater than 10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever Is Deeper = ft btoc~~

~~If Screen Length is greater than 10' AND Water Column Height is less than 10', Place Pump at: ½ * (Water Column Height) = ft btoc~~

If Screen Length and/or Water Column Height is less than 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: 0.0 ppm
Wellbore PID/FID Reading: 64.4 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	1007	37.87	clear	HC like (slight)	6.98	1.401	-116	0.05	13.63	19.97
800	1009	37.87	"	"	6.91	1.399	-119	0.01	11.74	19.82
1600	1011	37.87	"	"	6.92	1.394	-120	-0.00	11.09	19.82
2400	1013	"	"	"	6.94	1.390	-122	-0.01	10.40	19.87
3200	1015	"	"	"	6.95	1.386	-122	-0.02	10.95	19.81
4000	1017	"	"	"	6.95	1.382	-123	-0.03	11.30	19.64
4800	1019	"	"	"	6.96	1.376	-123	-0.03	10.41	19.65
5600	1021				6.97	1.374	-124	-0.04	6.416	19.59

Start Time: 1007 Elapsed Time (min): 14 Water Quality Meter ID & SN: TROLL 9500 - R26717

Stop Time: 1021 Average Purge Rate (mL/min): 400 Date Calibrated: 7-14-16

SAMPLING DATA

Sample Date: 07/14/16 Sample Time: 1025 Lab Analysis: VOC, SVOC

Sample Method: Monsoon Pump / Low Flow Sample Flow Rate (mL/min): 400 QA/QCSamples: MS / MSD

VOA Vials, No Headspace ☑ Initials: 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: 5600 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 3Q16 GW | PROJECT NUMBER: 60477387 - 1.03.003 | FIELD PERSONNEL: K. WALKOWSKA / D HAXEL

DATE: 7-8-16 | WEATHER: partly cloudy 85°

MONITORING WELL ID: MW-5 | SAMPLE ID: MW5-ROX-070816

INITIAL DATA

Well Diameter): 2 in
Total Well Depth (btoc): 44.30 ft
Depth to Water (btoc): 26.28 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): ~~17.09~~ 18.02 ft btoc

If Depth to Top of Screen is greater than Depth to Water, and Screen Length is less than or = 10', Place Pump at:
Depth to Top of Screen + ½ * (Screen Length) = 38.97 ft btoc

If Depth to Top of Screen is less than Depth to Water, and Screen Length is less than or = 10', Place Pump at:
Depth to Water + ½ * (Water Column Height) = NA ft btoc

~~If Screen Length is greater than 10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever is Deeper = ft btoc~~

~~If Screen Length is greater than 10' AND Water Column Height is less than 10', Place Pump at: ½ * (Water Column Height) = ft btoc~~

If Screen Length and/or Water Column Height is less than 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: 0.0 ppm
Wellbore PID/FID Reading: 0.0 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	1323	26.30	clear	mod HC like	6.91	1453	-155	1.00	8.208	21.29
800	1323	↓	"	"	6.90	1448	-157	0.59	8.605	21.20
1600	1327	↓	"	"	6.92	1439	-158	0.37	10.83	20.95
2400	1329	26.30	"	"	6.91	1432	-157	0.23	14.06	20.81
3200	1331	26.30	"	"	6.90	1431	-156	0.17	16.86	20.84
4000	1333	↓	"	"	6.91	1428	-156	0.11	16.99	20.80
4800	1335	↓	"	"	6.90	1410	-156	0.12	19.69	20.54
5600	1337	↓	"	"	6.90	1402	-155	0.12	20.33	20.49
6400	~~1339~~ 1338	↓	"	"	6.91	1399	-155	0.10	27.92	20.42
7200	1341 1339	26.31	"	"	6.90	1395	-154	0.09	18.78	20.39
8000	~~1343~~ 1340	↓	"	"	6.90	1391	-154	0.09	22.05	20.28
8800	~~1345~~ 1341	↓	"	"	6.90	1391	-154	0.08	9.501	20.32
9600	~~1347~~ 1342		"	"	6.90	1388	-154	0.09	11.59	20.30
10400	~~1349~~ 1343	26.31	"	"	6.90	1387	-154	0.05	13.87	20.34
11200	1344				6.90	1384	-154	0.06	~~18.69~~ 8.690	20.29

Start Time: 1323 | Elapsed Time (min): 21 | Water Quality Meter ID & SN: TROLL 9500 -- R27884

Stop Time: 1347 | Average Purge Rate (mL/min): 400 | Date Calibrated: 7-8-16

SAMPLING DATA

Sample Date: 7-8-2016 | Sample Time: 1350 | Lab Analysis: VOC, SVOC

Sample Method: Monsoon Pump / Low Flow | Sample Flow Rate (mL/min): 400 | QA/QCSamples: none

VOA Vials, No Headspace ☐ Initials: KW

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: 11200 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 3Q16 GW PROJECT NUMBER: 60477387 - 1.03.003 FIELD PERSONNEL: SMF DH

DATE: 7-11-16 WEATHER: 95° Clear

MONITORING WELL ID: MW-6A SAMPLE ID: MW6A-ROX-071116

INITIAL DATA

Well Diameter): 2 in
Total Well Depth (btoc): 45.16 ft
Depth to Water (btoc): 28.45 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): 16.71 ft btoc

If Depth to Top of Screen is greater than Depth to Water, and Screen Length is less than or = 10', Place Pump at:
Depth to Top of Screen + ½ * (Screen Length) = 39.83 ft btoc

If Depth to Top of Screen is less than Depth to Water, and Screen Length is less than or = 10', Place Pump at:
Depth to Water + ½ * (Water Column Height) = NA ft btoc

~~If Screen Length is greater than 10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever Is Deeper = ft btoc~~

~~If Screen Length is greater than 10' AND Water Column Height is less than 10', Place Pump at: ½ * (Water Column Height) = ft btoc~~

If Screen Length and/or Water Column Height is less than 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: 0.0 ppm
Wellbore PID/FID Reading: 0.0 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	1320	28.45	none	none	6.88	1.200	-263	0.59	13.78	21.72
600	1321	28.46			6.88	1.192	-265	0.47	15.47	21.49
1200	1323	28.47			6.90	1.186	-266	0.35	18.61	21.30
1800	1324	28.47			6.88	1.177	-265	0.29	20.06	21.08
2400	1326	28.47			6.90	1.174	-266	0.23	22.13	20.93
3000	1327	28.47	↓	↓	6.90	1.172	-267	0.18	24.84	20.89

Samuel Fisher

Start Time: 1320
Stop Time: 1327

Elapsed Time (min): SMF ~~1330~~ 7
Average Purge Rate (mL/min): 400

Water Quality Meter ID & SN: TROLL 9500 - R27884
Date Calibrated: 7-11-16

SAMPLING DATA

Sample Date: 7-11-16
Sample Time: 1330
Lab Analysis: VOC, SVOC
Sample Method: Monsoon Pump / Low Flow
Sample Flow Rate (mL/min): 400
QA/QCSamples: none
VOA Vials, No Headspace ☒ 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: 3000 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 3Q16 GW | PROJECT NUMBER: 60477387 - 1.03.003 | FIELD PERSONNEL: SMF DH

DATE: 7-11-16 | WEATHER: 95° Clear

MONITORING WELL ID: MW-6B | SAMPLE ID: MW6B-ROX-071116

INITIAL DATA

Well Diameter): 2 in
Total Well Depth (btoc): 69.38 ft
Depth to Water (btoc): 28.49 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): 40.89 ft btoc

If Depth to Top of Screen is greater than Depth to Water, and Screen Length is less than or = 10', Place Pump at:
Depth to Top of Screen + ½ * (Screen Length) = 66.55 ft btoc

If Depth to Top of Screen is less than Depth to Water, and Screen Length is less than or = 10', Place Pump at:
Depth to Water + ½ * (Water Column Height) = NA ft btoc

~~If Screen Length is greater than 10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever Is Deeper = ft btoc~~

~~If Screen Length is greater than 10' AND Water Column Height is less than 10', Place Pump at: ½ * (Water Column Height) = ft btoc~~

If Screen Length and/or Water Column Height is less than 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: 0.0 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	1228	28.49	none	none	7.27	0.8204	-226	1.65	21.42	21.61
600	1230	28.50			7.16	0.8398	-234	1.07	16.94	21.22
1200	1231	28.50			7.13	0.8518	-236	0.80	16.25	20.98
1800	1233	28.50			7.11	0.8568	-237	0.55	12.60	20.77
2400	1234	28.50			7.11	0.8579	-237	0.39	11.10	20.57
3000	1236	28.50			7.10	0.8610	-237	0.28	9.685	20.51
3600	1237	28.50			7.09	0.8637	-237	0.22	7.514	20.52
4200	1239	28.50			7.08	0.8688	-238	0.19	5.497	20.48

Start Time: 1228 | Elapsed Time (min): 11 | Water Quality Meter ID & SN: TROLL 9500 -- R27884

Stop Time: 1239 | Average Purge Rate (mL/min): 400 | Date Calibrated: 7-11-16

SAMPLING DATA

Sample Date: 7-11-16 | Sample Time: 1245 | 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: 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: 4200 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 3Q16 GW PROJECT NUMBER: 60477387 - 1.03.003 FIELD PERSONNEL: SMF DH

DATE: 7-11-16 WEATHER: 90° Clear

MONITORING WELL ID: MW-6C SAMPLE ID: MW6C-ROX-071116

INITIAL DATA

Well Diameter): 2 in
Total Well Depth (btoc): 90.28 ft
Depth to Water (btoc): 28.30 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): ~~62.02~~ 61.98 ft btoc

If Depth to Top of Screen is greater than Depth to Water, and Screen Length is less than or = 10', Place Pump at:
Depth to Top of Screen + ½ * (Screen Length) = 87.45 ft btoc

If Depth to Top of Screen is less than Depth to Water, and Screen Length is less than or = 10', Place Pump at:
Depth to Water + ½ * (Water Column Height) = NA ft btoc

~~If Screen Length is greater than 10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever Is Deeper = ft btoc~~

~~If Screen Length is greater than 10' AND Water Column Height is less than 10', Place Pump at: ½ * (Water Column Height) = ft btoc~~

If Screen Length and/or Water Column Height is less than 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: 0.0 ppm
Wellbore PID/FID Reading: 0.0 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	1016	28.31	none	none	7.46	0.8621	-274	1.40	7.317	21.34
600	1018	28.32			7.42	0.8686	-277	0.88	6.839	20.81
1200	1019	28.32			7.39	0.8731	-277	0.50	4.796	20.35
1800	1021	28.32			7.39	0.8759	-278	0.29	4.560	20.14
2400	1023	28.32			7.39	0.8798	-278	0.16	4.942	20.08
3000	1024	28.32			7.38	0.8833	-278	0.12	6.586	20.03
3600	1026	28.32			7.38	0.8854	-278	0.09	9.336	19.99

Samuel Fisher

Start Time: 1016 Elapsed Time (min): 10 Water Quality Meter ID & SN: TROLL 9500 -- R27884

Stop Time: 1026 Average Purge Rate (mL/min): 400 Date Calibrated: 7-11-16

SAMPLING DATA

Sample Date: 7-11-16 Sample Time: 1030 Lab Analysis: VOC, SVOC

Sample Method: Monsoon Pump / Low Flow Sample Flow Rate (mL/min): 400 QA/QCSamples: none

VOA Vials, No Headspace ☒ 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 GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 3Q16 GW PROJECT NUMBER: 60477387 - 1.03.003 FIELD PERSONNEL: SMF DH

DATE: 7-11-16 WEATHER: 90° Clear

MONITORING WELL ID: MW-6D SAMPLE ID: MW6D-ROX-071116/MW6D-ROX-071116-DUP

INITIAL DATA

Well Diameter): 2 in
Total Well Depth (btoc): 110.05 ft
Depth to Water (btoc): 28.16 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): 81.89 ft btoc

If Depth to Top of Screen is greater than Depth to Water, and Screen Length is less than or = 10', Place Pump at:
Depth to Top of Screen + ½ * (Screen Length) = 107.22 ft btoc

If Depth to Top of Screen is less than Depth to Water, and Screen Length is less than or = 10', Place Pump at:
Depth to Water + ½ * (Water Column Height) = NA ft btoc

~~If Screen Length is greater than 10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever Is Deeper = _____ ft btoc~~

~~If Screen Length is greater than 10' AND Water Column Height is less than 10', Place Pump at: ½ * (Water Column Height) = _____ ft btoc~~

If Screen Length and/or Water Column Height is less than 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: 0.0 ppm
Wellbore PID/FID Reading: 0.0 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	0908	28.17	none	none	7.18	1.022	-248	1.25	31.44	20.44
600	0910	28.17			7.23	1.026	-250	0.83	28.54	20.28
1200	0911	28.17			7.24	1.028	-250	0.56	23.38	20.19
1800	0913	28.17			7.26	1.028	-250	0.37	21.57	20.00
~~2400~~	0915	28.17			7.26	1.028	-249	0.31	15.30	19.89
3000	0916	28.17			7.28	1.028	-251	0.23	13.10	19.87
3600	0917	28.17			7.28	1.030	-252	0.18	11.43	19.77
					7.30	1.029	-253	0.13	10.15	19.71

Samuel Fisher

Start Time: 0908 Elapsed Time (min): 9 Water Quality Meter ID & SN: TROLL 9500 -- R27884

Stop Time: 0917 Average Purge Rate (mL/min): 400 Date Calibrated: 7-11-16

SAMPLING DATA

Sample Date: 7-11-16 Sample Time: 0920 Lab Analysis: VOC, SVOC

Sample Method: Monsoon Pump / Low Flow Sample Flow Rate (mL/min): 400 QA/QCSamples: Duplicate

VOA Vials, No Headspace ☒ 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 GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 3Q16 GW | PROJECT NUMBER: 60477387 - 1.03.003 | FIELD PERSONNEL: J. Peters C. Williams

DATE: 7/14/16 | WEATHER: Sunny 91°

MONITORING WELL ID: MW-7 | SAMPLE ID: MW-7-ROX-071416

INITIAL DATA

Well Diameter): 2 in
Total Well Depth (btoc): 52.92 ft
Depth to Water (btoc): 38.99 ft
Depth to LNAPL/DNAPL (btoc): NE ft
Depth to Top of Screen (btoc): 42.92 ft
Screen Length: 10 ft

Water Column Height (do not include LNAPL or DNAPL): 12.93 ft btoc

If Depth to Top of Screen is greater than Depth to Water, and Screen Length is less than or = 10', Place Pump at:
Depth to Top of Screen + ½ * (Screen Length) = 47.92 ft btoc

If Depth to Top of Screen is less than Depth to Water, and Screen Length is less than or = 10', Place Pump at:
Depth to Water + ½ * (Water Column Height) = NA ft btoc

~~If Screen Length is greater than 10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever Is Deeper = _____ ft btoc~~

~~If Screen Length is greater than 10' AND Water Column Height is less than 10', Place Pump at: ½ * (Water Column Height) = _____ ft btoc~~

If Screen Length and/or Water Column Height is less than 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: 0.0 ppm
Wellbore PID/FID Reading: 807.1 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	~~Big strong~~ Odor HC odor	pH	Specific Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTUs)	Temp (°C)
0	1458	40.00	cloudy	~~cloudy~~	6.80	1.725	-83	0.15	52.70	20.27
~~1400~~ 800	1500	40.00			6.78	1.755	-86	0.07	45.58	20.00
1600	1502	40.00			6.78	1.799	-88	0.05	45.58	~~20~~ 19.98
2400	1504				6.78	1.726	-87	0.05	41.72	19.97
3200	1506				6.78	1.704	-85	0.05	35.83	19.97
4000	1508				6.78	1.694	-84	0.05	31.93	19.94
4800	1510				6.78	1.686	-84	0.04	29.48	19.95
5600	1512				6.78	1.679	-83	0.03	24.89	19.91
6400	1514				6.78	1.680	-83	0.04	24.16	19.88
7200	1516				6.78	1.677	-83	0.02	18.90	19.87
8000	1518				6.78	1.673	-83	0.02	14.80	19.86
8800	1520				6.78	1.672	-83	0.01	16.51	19.89
9600	1522				6.78	1.672	-83	0.00	15.30	19.90
10400	1524				6.77	1.677	-83	-0.00	12.76	19.96
11200	1526				6.77	1.670	-83	-0.01	12.16	19.98
12000	1528				6.77	1.664	-83	-0.01	11.63	19.98

Start Time: 1458 | Elapsed Time (min): 30 min. | Water Quality Meter ID & SN: TROLL 9500 -- R26717

Stop Time: 1528 | Average Purge Rate (mL/min): 400 | Date Calibrated: 7/14/16

SAMPLING DATA

Sample Date: 7-14-16 | Sample Time: 1535 | Lab Analysis: VOC, SVOC

Sample Method: Monsoon Pump / Low Flow | Sample Flow Rate (mL/min): 400 | QA/QCSamples: DUP

VOA Vials, No Headspace ☑ Initials: 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: 12000 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 3Q16 GW PROJECT NUMBER: 60477387 - 1.03.003 FIELD PERSONNEL: J. Peters C. Williams

DATE: 7/14/16 WEATHER: 97° Sunny

MONITORING WELL ID: MW-8 SAMPLE ID: MW-8-ROX-071416

INITIAL DATA

Well Diameter): 2 in
Total Well Depth (btoc): 43.60 ft
Depth to Water (btoc): 30.80 ft
Depth to LNAPL/DNAPL (btoc): NE ft
Depth to Top of Screen (btoc): 33.60 ft
Screen Length: 10 ft

Water Column Height (do not include LNAPL or DNAPL): 12.80 ft btoc

If Depth to Top of Screen is greater than Depth to Water, and Screen Length is less than or = 10', Place Pump at:
Depth to Top of Screen + ½ * (Screen Length) = 38.60 ft btoc

If Depth to Top of Screen is less than Depth to Water, and Screen Length is less than or = 10', Place Pump at:
Depth to Water + ½ * (Water Column Height) = NA ft btoc

~~If Screen Length is greater than 10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever Is Deeper = ft btoc~~

~~If Screen Length is greater than 10' AND Water Column Height is less than 10', Place Pump at: ½ * (Water Column Height) = ft btoc~~

If Screen Length and/or Water Column Height is less than 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: 0.0 ppm
Wellbore PID/FID Reading: 452.8 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	1307	30.81	clear	Moderate HC like odor	6.85	1.670	-71	0.02	39.25	21.40
800	1309	30.81			6.83	1.675	-76	-0.00	32.44	21.36
1600	1311	30.81			6.82	1.680	-79	-0.02	27.26	21.32
2400	1313				6.82	1.684	-82	-0.03	23.60	21.31
3200	1315				6.82	1.686	-84	-0.03	19.24	21.29
4000	1317				6.81	1.689	-86	-0.04	18.03	21.27
4800	1319				6.81	1.690	-87	-0.04	14.51	21.28
5600	1321				6.81	1.691	-88	-0.04	14.64	21.29
6400	1323				6.80	1.693	-89	-0.05	12.35	21.30
7200	1325				6.80	1.694	-90	-0.05	10.60	21.33
8000	1327				6.80	1.693	-91	-0.05	8.411	21.34

Start Time: 1307 Elapsed Time (min): 20 Water Quality Meter ID & SN: TROLL 9500 - RR6717

Stop Time: 1327 Average Purge Rate (mL/min): 400 Date Calibrated: 7-14-16

SAMPLING DATA

Sample Date: 7/14/16 Sample Time: 1330 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: 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: 8000 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 3Q16 GW PROJECT NUMBER: 60477387 - 1.03.003 FIELD PERSONNEL: S. Fisher / D. Hoxel

DATE: 7-13-16 WEATHER: 90° P. Cloudy

MONITORING WELL ID: MW-9 SAMPLE ID: MW9-ROX-071316

INITIAL DATA

Well Diameter): 2 in
Total Well Depth (btoc): 56.78 ft
Depth to Water (btoc): 40.93 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): 15.85 ft btoc

If Depth to Top of Screen is greater than Depth to Water, and Screen Length is less than or = 10', Place Pump at:
Depth to Top of Screen + ½ * (Screen Length) = 51.45 ft btoc

If Depth to Top of Screen is less than Depth to Water, and Screen Length is less than or = 10', Place Pump at:
Depth to Water + ½ * (Water Column Height) = NA ft btoc

~~If Screen Length is greater than 10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever Is Deeper = ft btoc~~

~~If Screen Length is greater than 10' AND Water Column Height is less than 10', Place Pump at: ½ * (Water Column Height) = ft btoc~~

If Screen Length and/or Water Column Height is less than 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: 0.0 ppm
Wellbore PID/FID Reading: 0.0 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	1350	40.96	clear	none	6.98	1.338	-93	1.19	12.89	22.31
600	1351	40.97			6.96	1.318	-95	0.69	11.54	21.54
1200	1353	↓			6.95	1.302	-96	0.43	12.66	20.97
1800	1354	↓			6.94	1.293	-96	0.28	14.64	20.56
2400	1356	40.97			6.93	1.286	-96	0.17	13.97	20.36
3000	1357	40.97			6.92	1.280	-95	0.12	15.73	20.24
3600	1359	40.97	↓	↓	6.92	1.277	-95	0.10	15.67	20.10

Samuel Fisher

Start Time: 1350 Elapsed Time (min): 9 Water Quality Meter ID & SN: TROLL 9500 -- R27884

Stop Time: 1359 Average Purge Rate (mL/min): 400 Date Calibrated: 7-13-16

SAMPLING DATA

Sample Date: 7-13-16 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: 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 GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 3Q16 GW PROJECT NUMBER: 60477387 - 1.03.003 FIELD PERSONNEL: S. Fisher / D. Haxel

DATE: 7-13-16 WEATHER: 85° P. Cloudy

MONITORING WELL ID: MW-10 SAMPLE ID: MW10-ROX-071316

INITIAL DATA

Well Diameter): 2 in
Total Well Depth (btoc): 54.76 ft
Depth to Water (btoc): 41.00 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): 13.76 ft btoc

If Depth to Top of Screen is greater than Depth to Water, and Screen Length is less than or = 10', Place Pump at:
Depth to Top of Screen + ½ * (Screen Length) = 49.43 ft btoc

If Depth to Top of Screen is less than Depth to Water, and Screen Length is less than or = 10', Place Pump at:
Depth to Water + ½ * (Water Column Height) = NA ft btoc

~~If Screen Length is greater than 10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever Is Deeper = ft btoc~~

~~If Screen Length is greater than 10' AND Water Column Height is less than 10', Place Pump at: ½ * (Water Column Height) = ft btoc~~

If Screen Length and/or Water Column Height is less than 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: 0.0 ppm
Wellbore PID/FID Reading: 0.0 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	1123	41.00	clear	slight	7.24	1.212	-152	0.61	9.005	23.54
600	1124	↓	↓	↓	7.19	1.207	-154	0.47	13.32	22.33
1200	1125	41.06			7.18	1.189	-157	0.29	26.37	21.31
1800	1127	↓			7.18	1.179	-158	0.22	41.97	20.86
2400	1128				7.17	1.172	-159	0.15	48.14	20.86
3000	1130				7.16	1.169	-159	0.13	52.30	20.79
3600	1131				7.16	1.168	-160	0.04	52.70	20.78
4200	1133				7.16	1.168	-160	0.02	50.89	20.69
4800	1134	41.07	↓	↓	7.15	1.168	-159	0.01	45.23	20.73

Samuel Fisher

Start Time: 1123 Elapsed Time (min): 11 Water Quality Meter ID & SN: TROLL 9500 -- R27884

Stop Time: 1134 Average Purge Rate (mL/min): 400 Date Calibrated: 7-13-16

SAMPLING DATA

Sample Date: 7-13-16 Sample Time: 1140 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: 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: 4800 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 3Q16 GW | PROJECT NUMBER: 60477387 - 1.03.003 | FIELD PERSONNEL: S. Fisher, D. Haxel

DATE: 7-13-16 | WEATHER: 80° P. Cloudy

MONITORING WELL ID: MW-11 | SAMPLE ID: MW11-ROX-071316

INITIAL DATA

Well Diameter): 2 in
Total Well Depth (btoc): 51.99 ft
Depth to Water (btoc): 38.59 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): 13.40 ft btoc

If Depth to Top of Screen is greater than Depth to Water, and Screen Length is less than or = 10', Place Pump at:
Depth to Top of Screen + ½ * (Screen Length) = 46.66 ft btoc

If Depth to Top of Screen is less than Depth to Water, and Screen Length is less than or = 10', Place Pump at:
Depth to Water + ½ * (Water Column Height) = NA ft btoc

~~If Screen Length is greater than 10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever Is Deeper = _____ ft btoc~~

~~If Screen Length is greater than 10' AND Water Column Height is less than 10', Place Pump at: ½ * (Water Column Height) = _____ ft btoc~~

If Screen Length and/or Water Column Height is less than 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: 0.0 ppm
Wellbore PID/FID Reading: 0.0 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	853	38.59	none	slight	6.64	1.231	-95	0.44	3,065	19.68
600	855	38.59			6.64	1.243	-94	0.59	1,830	19.40
1200	856	38.59			6.72	1.247	-101	0.40	1,744	19.27
1800	858	38.59			6.73	1.249	-102	0.25	1,675	19.18
2400	859	38.59			6.75	1.247	-103	0.18	2,500	19.09
3000	901	38.59			6.75	1.247	-103	0.11	2,168	19.06
					6.76	1.245	-103	0.09	3,026	19.02

Samuel Fisher

Start Time: 853 | Elapsed Time (min): 8 | Water Quality Meter ID & SN: TROLL 9500 - R27884

Stop Time: 901 | Average Purge Rate (mL/min): 400 | Date Calibrated: 7-13-16

SAMPLING DATA

Sample Date: 7-13-16 | Sample Time: 905 | 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: 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: 3000 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 3Q16 GW PROJECT NUMBER: 60477387 - 1.03.003 FIELD PERSONNEL: S. Fisher / Haxec

DATE: 12 July 2016 WEATHER: Sunny 85°

MONITORING WELL ID: MW-12 SAMPLE ID: MW12-ROX-071216

INITIAL DATA

Well Diameter): 2 in
Total Well Depth (btoc): 52.25 ft
Depth to Water (btoc): 38.89 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): 13.36 ft btoc

If Depth to Top of Screen is greater than Depth to Water, and Screen Length is less than or = 10', Place Pump at:
Depth to Top of Screen + ½ * (Screen Length) = 46.92 ft btoc

If Depth to Top of Screen is less than Depth to Water, and Screen Length is less than or = 10', Place Pump at:
Depth to Water + ½ * (Water Column Height) = NA ft btoc

~~If Screen Length is greater than 10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever Is Deeper = ft btoc~~

~~If Screen Length is greater than 10' AND Water Column Height is less than 10', Place Pump at: ½ * (Water Column Height) = ft btoc~~

If Screen Length and/or Water Column Height is less than 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: 0.0 ppm
Wellbore PID/FID Reading: 0.0 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	0958	38.90	clear	NONE	6.88	1.237	128	0.24	8.619	19.58
400	0959				6.86	1.239	133	0.24	7.592	19.62
1200	1001				6.85	1.241	136	0.20	6.923	19.64
3600 2800*	1004				6.84	1.240	139	0.15	6.740	19.63
4200 3000	1005				6.83	1.240	140	0.12	7.490	19.63

Samuel Fisher

Start Time: 0958 Elapsed Time (min): 7 Water Quality Meter ID & SN: TROLL 9500 - R27884

Stop Time: 1005 Average Purge Rate (mL/min): 400 Date Calibrated: 12 July 2016

SAMPLING DATA

Sample Date: 7-12-16 Sample Time: 1015 Lab Analysis: VOC, SVOC

Sample Method: Monsoon Pump / Low Flow Sample Flow Rate (mL/min): 400 QA/QCSamples: NONE

VOA Vials, No Headspace ☒ 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: ~~3000~~ 4200 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 3Q16 GW | PROJECT NUMBER: 60477387 - 1.03.003 | FIELD PERSONNEL: I. PARTIN C. WILLIAMS

DATE: 07-11-16 | WEATHER: SUNNY

MONITORING WELL ID: MW-13 | SAMPLE ID: MW13-ROX-071116-EB, MW13-ROX-071116

INITIAL DATA

Well Diameter): 2 in
Total Well Depth (btoc): 35.82 ft
Depth to Water (btoc): 26.01 ft
Depth to LNAPL/DNAPL (btoc): NE ft
Depth to Top of Screen (btoc): 25.57 ft
Screen Length: 10 ft

Water Column Height (do not include LNAPL or DNAPL): 9.81 ft btoc

If Depth to Top of Screen is greater than Depth to Water, and Screen Length is less than or = 10', Place Pump at:
Depth to Top of Screen + ½ * (Screen Length) = NA ft btoc

If Depth to Top of Screen is less than Depth to Water, and Screen Length is less than or = 10', Place Pump at:
Depth to Water + ½ * (Water Column Height) = 30.96 ft btoc

~~If Screen Length is greater than 10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever Is Deeper = _____ ft btoc~~

~~If Screen Length is greater than 10' AND Water Column Height is less than 10', Place Pump at: ½ * (Water Column Height) = _____ ft btoc~~

If Screen Length and/or Water Column Height is less than 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: 7.9 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	1014	26.01	CLEAR	Slight HC	6.77	1.359	-262	0.08	21.56	21.63
800	1016	26.01	CLR		6.78	1.364	-262	0.05	20.96	21.37
1600	1018	26.01	CLR		6.78	1.366	-264	0.01	13.52	20.85
2400	1020	26.01	CLR		6.79	1.367	-263	0.00	7.825	20.71
3200	1021	26.01	CLR		6.79	1.366	-264	-0.01	6.199	20.66

Start Time: 1014 | Elapsed Time (min): 7 | Water Quality Meter ID & SN: TROLL 9500 -- R26717

Stop Time: 1021 | Average Purge Rate (mL/min): 400 | Date Calibrated: 07-11-16

SAMPLING DATA

Sample Date: 07-11-16 | Sample Time: 1030 | Lab Analysis: VOC, SVOC

Sample Method: Monsoon Pump / Low Flow | Sample Flow Rate (mL/min): 400 | QA/QCSamples: EB

VOA Vials, No Headspace ☑ Initials: IP 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 3Q16 GW PROJECT NUMBER: 60477387 - 1.03.003 FIELD PERSONNEL: I. PARTIN, C. WILLIAMS

DATE: 07-11-16 WEATHER: SUNNY 88°

MONITORING WELL ID: MW-14 SAMPLE ID: MW14-ROX-071116

INITIAL DATA

Well Diameter: 2 in
Total Well Depth (btoc): 44.00 ft
Depth to Water (btoc): 30.59 ft
Depth to LNAPL/DNAPL (btoc): NE ft
Depth to Top of Screen (btoc): 33.42 ft
Screen Length: 10 ft

Water Column Height (do not include LNAPL or DNAPL): 13.41 ft btoc

If Depth to Top of Screen is greater than Depth to Water, and Screen Length is less than or = 10', Place Pump at:
Depth to Top of Screen + ½ * (Screen Length) = 38.42 ft btoc

If Depth to Top of Screen is less than Depth to Water, and Screen Length is less than or = 10', Place Pump at:
Depth to Water + ½ * (Water Column Height) = ~~36.42~~ ft btoc

~~If Screen Length is greater than 10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever Is Deeper = ft btoc~~

~~If Screen Length is greater than 10' AND Water Column Height is less than 10', Place Pump at: ½ * (Water Column Height) = ft btoc~~

If Screen Length and/or Water Column Height is less than 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: 0.1 ppm
Wellbore PID/FID Reading: 36.4 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	12:53	30.61	CLR	Slight HC	6.86	1.029	-111	0.39	12.75	24.12
800	12:55	30.61	CLR		6.84	1.037	-137	0.19	13.68	23.13
1600	12:57	30.61	CLR		6.84	1.045	-163	0.08	12.89	22.40
2400	12:59				6.84	1.047	-180	0.04	13.03	21.94
3200	13:01				6.85	1.046	-191	0.02	12.30	21.68
4000	13:03				6.85	1.045	-199	0.00	11.55	21.52
4800	13:05				6.85	1.044	-204	-0.01	11.52	21.48

Start Time: 1253 Elapsed Time (min): 10 IP 12 Water Quality Meter ID & SN: TROLL 9500 - R20417

Stop Time: 1305 IP Average Purge Rate (mL/min): 400 Date Calibrated: 07-11-16

SAMPLING DATA

Sample Date: 07-11-16 Sample Time: 1310 Lab Analysis: VOC, SVOC

Sample Method: Monsoon Pump / Low Flow Sample Flow Rate (mL/min): 400 QA/QCSamples: NA

VOA Vials, No Headspace ☑ Initials: IP 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 3Q16 GW PROJECT NUMBER: 60477387 - 1.03.003 FIELD PERSONNEL: S. Fisher / D. Hakel

DATE: 12 July 2016 WEATHER: Sunny 93° potential rain

MONITORING WELL ID: MW-16 SAMPLE ID: MW16-ROX-071216

INITIAL DATA

Well Diameter): 2 in
Total Well Depth (btoc): 47.31 ft
Depth to Water (btoc): 39.93 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): 7.38 ft btoc

If Depth to Top of Screen is greater than Depth to Water, and Screen Length is less than or = 10', Place Pump at:
Depth to Top of Screen + ½ * (Screen Length) = [illegible] ft btoc

If Depth to Top of Screen is less than Depth to Water, and Screen Length is less than or = 10', Place Pump at:
Depth to Water + ½ * (Water Column Height) = 43.62 ft btoc

~~If Screen Length is greater than 10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever is Deeper = ft btoc~~

~~If Screen Length is greater than 10' AND Water Column Height is less than 10', Place Pump at: ½ * (Water Column Height) = ft btoc~~

If Screen Length and/or Water Column Height is less than 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: 0.0 ppm
Wellbore PID/FID Reading: 0.0 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	1054	39.94	clear	NONE	6.79	1.492	61	0.49	40.54	20.59
800	1056	↓	↓	↓	6.64	1.459	23	0.35	30.51	20.18
1200	1057	↓	↓	↓	6.72	1.436	2	0.31	20.38	19.94
2000	1059	↓	↓	↓	6.72	1.414	-8	0.29	14.14	19.75
2400	1100	↓	↓	↓	6.71	1.400	-14	6.30	10.21	19.63
3200	1102	39.95	↓	↓	6.71	1.389	-19	0.32	7.478	19.54
3600	1103	↓	↓	↓	6.71	1.383	-22	0.36	5.847	19.44
4400	1105	↓	↓	↓	6.71	1.380	-25	0.37	4.892	19.40

[illegible] 12 July 2016

Start Time: 1054 Elapsed Time (min): 11 Water Quality Meter ID & SN: TROLL 9500 - R27884

Stop Time: 1105 Average Purge Rate (mL/min): 400 Date Calibrated: 12 July 2016

SAMPLING DATA

Sample Date: 12 July 2016 Sample Time: 1115 Lab Analysis: VOC, SVOC

Sample Method: Monsoon Pump / Low Flow Sample Flow Rate (mL/min): 400 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: 4400 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 3Q16 GW | PROJECT NUMBER: 60477387 - 1.03.003 | FIELD PERSONNEL: S. Fisher / D. Hoxer

DATE: 7-15-16 | WEATHER: 90° Sunny

MONITORING WELL ID: MW-22 | SAMPLE ID: MW22-ROX-071516-EB; MW22-ROX-071516; MW-22-ROX-071516-DUP

INITIAL DATA

Well Diameter): 2 in
Total Well Depth (btoc): 48.13 ft
Depth to Water (btoc): 38.97 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): 9.16 ft btoc

If Depth to Top of Screen is greater than Depth to Water, and Screen Length is less than or = 10', Place Pump at:
Depth to Top of Screen + ½ * (Screen Length) = NA ft btoc

If Depth to Top of Screen is less than Depth to Water, and Screen Length is less than or = 10', Place Pump at:
Depth to Water + ½ * (Water Column Height) = ~~42.46~~ 4355 ft btoc

~~If Screen Length is greater than 10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever Is Deeper = ft btoc~~

~~If Screen Length is greater than 10' AND Water Column Height is less than 10', Place Pump at: ½ * (Water Column Height) = ft btoc~~

If Screen Length and/or Water Column Height is less than 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: 0.0 ppm
Wellbore PID/FID Reading: 0.0 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	1041	38.97	clear	moderate	6.86	1.272	-79	0.48	10.18	22.75
600	1042	39.03			6.85	1.268	-82	0.33	11.61	22.45
1200	1044				6.84	1.266	-86	0.24	10.90	22.30
1800	1045				6.83	1.269	-89	0.17	10.35	22.23
2400	1047				6.82	1.275	-92	0.14	8.814	22.21
3000	1048	39.04			6.81	1.280	-95	0.09	9.212	22.19

Start Time: 1041 | Elapsed Time (min): 7 | Water Quality Meter ID & SN: TROLL 9500 -- R278844

Stop Time: 1048 | Average Purge Rate (mL/min): 400 | Date Calibrated: 7-15-16

SAMPLING DATA

Sample Date: 7-15-16 | Sample Time: 1055 | Lab Analysis: VOC, SVOC

Sample Method: Monsoon Pump / Low Flow | Sample Flow Rate (mL/min): 400 | QA/QCSamples: EB and Duplicate

VOA Vials, No Headspace ☒ Initials: SME

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 GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 3Q16 GW | PROJECT NUMBER: 60477387 - 1.03.003 | FIELD PERSONNEL: D.HAXEL, K.WALKOWSKA

DATE: 7-8-2016 | WEATHER: sunny/partly cloudy 80s

MONITORING WELL ID: MW-23 | SAMPLE ID: MW23-ROX-070816 / MS / MSD

INITIAL DATA

Well Diameter): 2 in
Total Well Depth (btoc): 39.27 ft
Depth to Water (btoc): 27.54 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): 11.73 ft btoc

If Depth to Top of Screen is greater than Depth to Water, and Screen Length is less than or = 10', Place Pump at:
Depth to Top of Screen + ½ * (Screen Length) = 34.02 ft btoc

If Depth to Top of Screen is less than Depth to Water, and Screen Length is less than or = 10', Place Pump at:
Depth to Water + ½ * (Water Column Height) = NA ft btoc

~~If Screen Length is greater than 10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever Is Deeper = ft btoc~~

~~If Screen Length is greater than 10' AND Water Column Height is less than 10', Place Pump at: ½ * (Water Column Height) = ft btoc~~

If Screen Length and/or Water Column Height is less than 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: 0.0 ppm
Wellbore PID/FID Reading: 0.0 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	1015	27.57	clear	~~none~~ HClike mod (KW)	6.81	1097	-94	0.75	108.9	22.05
600	1017	↓	clear	HClike-mod	6.83	1089	-99	0.52	108.5	21.12
1200	1019	↓	clear	slight HClike	6.85	1083	-103	0.32	102.9	20.76
1800	1021	27.55	clear	"	6.85	1082	-106	0.24	93.36	20.59
2400	1023	27.55	clear	"	6.84	1.082	-108	0.17	69.95	20.55
3000	1025	↓	clear	"	6.84	1082	-110	0.11	58.47	20.63
3600	1027	↓	clear	"	6.79	1083	-109	0.09	52.96	20.46
4200	1029	27.55	clear	"	6.81	1080	-111	0.06	47.23	20.34
4800	1031	27.55	clear	"	6.80	1086	-112	0.07	42.27	20.37
5400	1033	↓	clear	"	6.79	1074	-113	0.02	34.18	20.33
6000	1035	↓	clear	"	6.79	1074	-113	0.01	34.20	20.30
6600	1037	↓	clear	"	6.78	1077	-113	0.02	30.76	20.46

Start Time: 1015 | Elapsed Time (min): 22 | Water Quality Meter ID & SN: TROLL 9500 -- R27884

Stop Time: 1037 | Average Purge Rate (mL/min): 300 | Date Calibrated: 7-8-2016

SAMPLING DATA

Sample Date: 7-8-2016 | Sample Time: 1045 | Lab Analysis: VOC, SVOC

Sample Method: Monsoon Pump / Low Flow | Sample Flow Rate (mL/min): 300 | QA/QCSamples: MS / MSD

VOA Vials, No Headspace ☒ Initials: KW/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: 6600 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 3Q16 GW | PROJECT NUMBER: 60477387 - 1.03.003 | FIELD PERSONNEL: S. Fisher / D. Haxel

DATE: 12 July 2016 | WEATHER: P. Cloudy 91°

MONITORING WELL ID: MW-24 | SAMPLE ID: MW24-ROX-071216 / MW24-ROX-071216-EB

INITIAL DATA

Well Diameter): 2 in
Total Well Depth (btoc): 49.14 ft
Depth to Water (btoc): 39.67 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): 9.47 ft btoc

If Depth to Top of Screen is greater than Depth to Water, and Screen Length is less than or = 10', Place Pump at:
Depth to Top of Screen + ½ * (Screen Length) = ft btoc

If Depth to Top of Screen is less than Depth to Water, and Screen Length is less than or = 10', Place Pump at:
Depth to Water + ½ * (Water Column Height) = 44.41 ft btoc

~~If Screen Length is greater than 10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever Is Deeper = ft btoc~~

~~If Screen Length is greater than 10' AND Water Column Height is less than 10', Place Pump at: ½ * (Water Column Height) = ft btoc~~

If Screen Length and/or Water Column Height is less than 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

	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	1335	39.71	clear	none	7.06	1.184	98	0.85	13.01	20.95
800	~~1336~~ 1337	↓	↓	↓	7.02	1.172	98	0.63	10.03	20.41
1600	1339				7.00	1.169	97	0.56	7.173	20.14
2000 2400	1340				6.99	1.166	97	0.53	6.459	20.04
2400 3200	1341				6.98	1.164	97	0.53	5.732	19.99

Samuel Fisher

Start Time: 1335
Stop Time: 1341

Elapsed Time (min): 6
Average Purge Rate (mL/min): 400

Water Quality Meter ID & SN: TROLL 9500 -- R27884
Date Calibrated: 12 July 2016

SAMPLING DATA

Sample Date: 12 July 2016
Sample Method: Monsoon Pump / Low Flow
VOA Vials, No Headspace ☒ Initials: SMF

Sample Time: 1345
Sample Flow Rate (mL/min): 400

Lab Analysis: VOC, SVOC
QA/QCSamples: Equipment Blank: 1240

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: ~~2400~~ 3200 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 3Q16 GW | PROJECT NUMBER: 60477387 - 1.03.003 | FIELD PERSONNEL: C. Williams / D. H

DATE: 18 July 2016 | WEATHER: P. Cloudy 85°

MONITORING WELL ID: MW-25 | SAMPLE ID: MW25-ROX-071816

INITIAL DATA

Well Diameter): 2 in
Total Well Depth (btoc): 45.84 ft
Depth to Water (btoc): 35.17 ft
Depth to LNAPL/DNAPL (btoc): NE ft
Depth to Top of Screen (btoc): 35.59 ft
Screen Length: 10 ft

Water Column Height (do not include LNAPL or DNAPL): 10.67 ft btoc

If Depth to Top of Screen is greater than Depth to Water, and Screen Length is less than or = 10', Place Pump at:
Depth to Top of Screen + ½ * (Screen Length) = 40.59 ft btoc

If Depth to Top of Screen is less than Depth to Water, and Screen Length is less than or = 10', Place Pump at:
Depth to Water + ½ * (Water Column Height) = / ft btoc

~~If Screen Length is greater than 10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever is Deeper = ft btoc~~

~~If Screen Length is greater than 10' AND Water Column Height is less than 10', Place Pump at: ½ * (Water Column Height) = ft btoc~~

If Screen Length and/or Water Column Height is less than 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: 90.9 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	0922	35.18	clear	none	7.00	1.114	-124	0.71	8.403	22.21
400	0923	35.19	↓	↓	7.06	1.132	-130	0.43	9.984	22.51
1200	0925	↓	↓	↓	7.09	1.115	-133	0.09	9.751	21.78
1600	0926				7.11	1.094	-134	0.02	8.126	21.10
2000	0928				7.12	1.093	-134	-0.01	8.485	20.59
2400	0929				7.14	1.102	-135	-0.03	6.306	20.30

18 July 2016

Start Time: 0922 | Elapsed Time (min): 7 | Water Quality Meter ID & SN: TROLL 9500 -- R27884

Stop Time: 0929 | Average Purge Rate (mL/min): 400 | Date Calibrated: 18 July 2016

SAMPLING DATA

Sample Date: 18 July 2016 | Sample Time: 0935 | Lab Analysis: VOC, SVOC

Sample Method: Monsoon Pump / Low Flow | Sample Flow Rate (mL/min): 400 | 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: 2400 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 3Q16 GW PROJECT NUMBER: 60477387 - 1.03.003 FIELD PERSONNEL: S. Fisher / D. Haxel

DATE: 12 July 2016 WEATHER: Sunny 83°

MONITORING WELL ID: MW-26 SAMPLE ID: MW26-ROX-071216

INITIAL DATA

Well Diameter): 2 in
Total Well Depth (btoc): 48.40 ft
Depth to Water (btoc): 37.74 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): 10.66 ft btoc

If Depth to Top of Screen is greater than Depth to Water, and Screen Length is less than or = 10', Place Pump at:
Depth to Top of Screen + ½ * (Screen Length) = 43.15 ft btoc

If Depth to Top of Screen is less than Depth to Water, and Screen Length is less than or = 10', Place Pump at:
Depth to Water + ½ * (Water Column Height) = ~~_____~~ ft btoc

~~If Screen Length is greater than 10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever Is Deeper = _____ ft btoc~~

~~If Screen Length is greater than 10' AND Water Column Height is less than 10', Place Pump at: ½ * (Water Column Height) = _____ ft btoc~~

If Screen Length and/or Water Column Height is less than 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: SMP ~~0.4~~ 0.0 ppm
Wellbore PID/FID Reading: SMP ~~0.0~~ 0.4 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~~	0853	37.74	clear	none	6.81	1.147	202	0.70	43.30	20.61
~~800~~ 600	0855				6.82	1.144	202	0.53	46.47	20.59
~~1200~~ 1200	0856				6.83	1.147	201	0.40	38.05	20.64
~~2000~~ 1800	0858				6.83	1.150	201	0.35	33.83	20.73
~~2800~~ 2400	0900				6.83	1.151	200	0.31	33.01	20.85
~~3200~~ 3000	0901				6.83	1.153	200	0.28	31.29	20.95

Samuel Fisher

Start Time: 0853 Elapsed Time (min): 8 Water Quality Meter ID & SN: TROLL 9500 -- R27884

Stop Time: 0901 Average Purge Rate (mL/min): 400 Date Calibrated: 12 July 2016

SAMPLING DATA

Sample Date: 12 July 2016 Sample Time: 0910 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: 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: ~~3000~~ 3200 mL DH

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 3Q16 GW PROJECT NUMBER: 60477387 - 1.03.003 FIELD PERSONNEL: S. Fisher / D. Haxel

DATE: 7-13-16 WEATHER: 80° P. Cloudy

MONITORING WELL ID: MW-27 SAMPLE ID: MW27-ROX-071316

INITIAL DATA

Well Diameter): 2 in
Total Well Depth (btoc): 50.04 ft
Depth to Water (btoc): 38.44 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): 11.10 ft btoc

If Depth to Top of Screen is greater than Depth to Water, and Screen Length is less than or = 10', Place Pump at:
Depth to Top of Screen + ½ * (Screen Length) = ~~SMF~~ NA 44.79 ft btoc

If Depth to Top of Screen is less than Depth to Water, and Screen Length is less than or = 10', Place Pump at:
Depth to Water + ½ * (Water Column Height) = NA ft btoc

~~If Screen Length is greater than 10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever Is Deeper = ft btoc~~

~~If Screen Length is greater than 10' AND Water Column Height is less than 10', Place Pump at: ½ * (Water Column Height) = ft btoc~~

If Screen Length and/or Water Column Height is less than 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: 0.0 ppm
Wellbore PID/FID Reading: 0.0 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)
~~4000~~	945-955	39.10	~~slightly brown~~		~~7.14~~	~~SMF~~				
4600	1020	39.08	slightly brown	none	7.19	0.9664	-50	7.54	459.0	19.60
5200	1022				7.01	0.9589	-50	7.68	177.1	19.61
5800	1023				6.95	0.9320	-50	1.64	66.66	19.34
6400	1025				6.93	0.9283	-51	1.62	36.65	19.15
7000	1026	39.12	clear		6.91	0.9327	-52	1.57	21.55	18.99

Samuel Fisher

Start Time: 945
Stop Time: 1026

Elapsed Time (min): *41
Average Purge Rate (mL/min): 400

Water Quality Meter ID & SN: TROLL 9500 -- R27884
Date Calibrated: ~~SMF R27884~~ 7-13-16

SAMPLING DATA

Sample Date: 7-13-15
Sample Time: 1030
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: 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)

We purged straight into bucket from 945-955. Water was orange with sediment at first. After water cleared out we connected to troll and continued purging Total Purge Volume: 7000 mL

*Pause purging temporarily while M. Miller brings us charger for Rugged Reader
Restart purging at 1020

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 3Q16 GW PROJECT NUMBER: 60477387 - 1.03.003 FIELD PERSONNEL: S. Fisher / D. Haxel

DATE: 7-14-16 WEATHER: 90° Clear

MONITORING WELL ID: MW-28 SAMPLE ID: MW28-ROX-071416

INITIAL DATA

Well Diameter): 2 in
Total Well Depth (btoc): 43.86 ft
Depth to Water (btoc): 38.49 ft
Depth to LNAPL/DNAPL (btoc): NS ft
Depth to Top of Screen (btoc): 33.61 ft
Screen Length: 10 ft

Water Column Height (do not include LNAPL or DNAPL): 5.37 ft btoc

If Depth to Top of Screen is greater than Depth to Water, and Screen Length is less than or = 10', Place Pump at:
Depth to Top of Screen + ½ * (Screen Length) = NA ft btoc

If Depth to Top of Screen is less than Depth to Water, and Screen Length is less than or = 10', Place Pump at:
Depth to Water + ½ * (Water Column Height) = 41.18 ft btoc

~~If Screen Length is greater than 10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever Is Deeper = ft btoc~~

~~If Screen Length is greater than 10' AND Water Column Height is less than 10', Place Pump at: ½ * (Water Column Height) = ft btoc~~

If Screen Length and/or Water Column Height is less than 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: 0.0 ppm
Wellbore PID/FID Reading: 0.0 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	918	38.49	clear	none	6.54	1.850	~~0.75~~ 126	0.25	107.8	19.93
600	920	↓	↓	↓	6.59	1.858	209	0.15	97.66	19.85
1200	921	38.70			6.62	1.867	194	0.22	72.26	19.87
1800	923	38.71			6.63	1.866	180	0.14	64.72	19.80
2400	924	↓			6.64	1.870	168	0.06	51.62	19.71
3000	926	↓			6.64	1.875	156	0.04	38.39	19.65
3600	927	38.70			6.65	1.882	145	-0.01	24.88	19.57
4200	929	38.70	↓	↓	6.65	1.892	137	-0.04	19.22	19.61

Samuel Fisher

Start Time: 918 Elapsed Time (min): 11 Water Quality Meter ID & SN: TROLL 9500 -- R27884

Stop Time: 929 Average Purge Rate (mL/min): 400 Date Calibrated: 7-14-16

SAMPLING DATA

Sample Date: 7-14-16 Sample Time: 935 Lab Analysis: VOC, SVOC

Sample Method: Monsoon Pump / Low Flow Sample Flow Rate (mL/min): 400 QA/QCSamples: none

VOA Vials, No Headspace ☒ 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: 4200 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 3Q16 GW PROJECT NUMBER: 60477387 - 1.03.003 FIELD PERSONNEL: S. Fisher / D. Hassler

DATE: 12 July 2016 WEATHER: P. Cloudy 88°

MONITORING WELL ID: P-54 SAMPLE ID: P54-ROX-071216

INITIAL DATA

Well Diameter): 2 in
Total Well Depth (btoc): 63.00 ft
Depth to Water (btoc): 38.44 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): 24.56 ft btoc

~~If Depth to Top of Screen is greater than Depth to Water, and Screen Length is less than or = 10', Place Pump at: Depth to Top of Screen + ½ * (Screen Length) = _____ ft btoc~~

~~If Depth to Top of Screen is less than Depth to Water, and Screen Length is less than or = 10', Place Pump at: Depth to Water + ½ * (Water Column Height) = _____ ft btoc~~

If Screen Length is greater than 10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever Is Deeper = 43.44 ft btoc

If Screen Length is greater than 10' AND Water Column Height is less than 10', Place Pump at: ½ * (Water Column Height) = / ft btoc

If Screen Length and/or Water Column Height is less than 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

	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	1420	38.44	clear	None	7.21	1.083	120	5.65	8.604	18.51
800	1422	↓	↓	↓	7.11	1.078	119	5.54	8.769	19.50
1200	1423				7.07	1.079	118	5.59	10.54	19.16
2000	1425				7.05	1.078	117	5.66	10.21	18.91
2400	1426				7.03	1.080	116	5.69	11.23	18.86

12 July 2016

Start Time: 1420 Elapsed Time (min): 6 Water Quality Meter ID & SN: TROLL 9500 -- R27884

Stop Time: 1426 Average Purge Rate (mL/min): 400 Date Calibrated: 12 July 2016

SAMPLING DATA

Sample Date: 12 July 2016 Sample Time: 1435 Lab Analysis: VOC, SVOC

Sample Method: Monsoon Pump / Low Flow Sample Flow Rate (mL/min): 400 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: 2400 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 3Q16 GW PROJECT NUMBER: 60477387 - 1.03.003 FIELD PERSONNEL: S. Fisher / D. Haxel

DATE: 7-15-16 WEATHER: 900 P. Cloudy

MONITORING WELL ID: P-55R SAMPLE ID: no sample; product in well

INITIAL DATA

Well Diameter): 2 in
Total Well Depth (btoc): 50.68 ft
Depth to Water (btoc): 40.24 ft
Depth to LNAPL/DNAPL (btoc): 40.11 ft
Depth to Top of Screen (btoc): 40.43 ft
Screen Length: 10 ft

Water Column Height (do not include LNAPL or DNAPL): 10.44 ft btoc

If Depth to Top of Screen is greater than Depth to Water, and Screen Length is less than or = 10', Place Pump at:
Depth to Top of Screen + ½ * (Screen Length) = ft btoc

If Depth to Top of Screen is less than Depth to Water, and Screen Length is less than or = 10', Place Pump at:
Depth to Water + ½ * (Water Column Height) = ft btoc

~~If Screen Length is greater than 10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever Is Deeper = ft btoc~~

~~If Screen Length is greater than 10' AND Water Column Height is less than 10', Place Pump at: ½ * (Water Column Height) = ft btoc~~

If Screen Length and/or Water Column Height is less than 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: 109.1 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)

Samuel Fisher

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 encountered. No sample collected.

Total Purge Volume: mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 3Q16 GW PROJECT NUMBER: 60477387 - 1.03.003 FIELD PERSONNEL: C. WILLIAMS I. PARTIN

DATE: 7-12-16 WEATHER: PARTLY CLOUDY 79°

MONITORING WELL ID: P-56 SAMPLE ID: P56-ROX-071216

INITIAL DATA

Well Diameter): 2 in
Total Well Depth (btoc): 65.82 ft
Depth to Water (btoc): 42.87 ft
Depth to LNAPL/DNAPL (btoc): NE ft
Depth to Top of Screen (btoc): 40.82 ft
Screen Length: 25 ft

Water Column Height (do not include LNAPL or DNAPL): 22.95 ft btoc

~~If Depth to Top of Screen is greater than Depth to Water, and Screen Length is less than or = 10', Place Pump at: Depth to Top of Screen + ½ * (Screen Length) = ft btoc~~

~~If Depth to Top of Screen is less than Depth to Water, and Screen Length is less than or = 10', Place Pump at: Depth to Water + ½ * (Water Column Height) = ft btoc~~

If Screen Length is greater than 10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever Is Deeper = 47.87 ft btoc

If Screen Length is greater than 10' AND Water Column Height is less than 10', Place Pump at: ½ * (Water Column Height) = ft btoc

If Screen Length and/or Water Column Height is less than 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

	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	1110	42.90	CLR	STRONG HC	7.16	1.977	-287	0.11	15.57	24.64
800	1112	42.91	CLR	STRONG HC	7.15	1.962	-290	-0.02	14.00	23.34
1600	1114	42.91	CLR	STRONG HC	7.12	1.928	-290	-0.04	10.99	22.75
2400 SP	1117	42.91	CLR		7.10	1.907	-289	-0.05	9.773	22.69
3600 FP	1119	42.91	CLR	1	7.08	1.874	-287	-0.05	7.471	22.79

Start Time: 1110 Elapsed Time (min): 9 Water Quality Meter ID & SN: TROLL 9500 - R26717

Stop Time: 1119 Average Purge Rate (mL/min): 400 Date Calibrated: 7-12-16

SAMPLING DATA

Sample Date: 7-12-16 Sample Time: 1130 Lab Analysis: VOC, SVOC

Sample Method: Monsoon Pump / Low Flow Sample Flow Rate (mL/min): 400 QA/QCSamples: NA

VOA Vials, No Headspace ☑ Initials: IP 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 3Q16 GW | PROJECT NUMBER: 60477387 - 1.03.003 | FIELD PERSONNEL: T. PARTIN C. WILLIAMS

DATE: 7-13-16 | WEATHER: PARTLY CLOUDY 82°

MONITORING WELL ID: P-57 | SAMPLE ID: P57 - ROX - 071316

INITIAL DATA

Well Diameter): 2 in
Total Well Depth (btoc): 54.19 ft
Depth to Water (btoc): 44.02 ft
Depth to LNAPL/DNAPL (btoc): NE ft
Depth to Top of Screen (btoc): 44.19 ft
Screen Length: 10 ft

Water Column Height (do not include LNAPL or DNAPL): 10.17 ft btoc

If Depth to Top of Screen is greater than Depth to Water, and Screen Length is less than or = 10', Place Pump at:
Depth to Top of Screen + ½ * (Screen Length) = 49.09 IP ft btoc

If Depth to Top of Screen is less than Depth to Water, and Screen Length is less than or = 10', Place Pump at:
Depth to Water + ½ * (Water Column Height) = — ft btoc

~~If Screen Length is greater than 10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever Is Deeper = ft btoc~~

~~If Screen Length is greater than 10' AND Water Column Height is less than 10', Place Pump at: ½ * (Water Column Height) = ft btoc~~

If Screen Length and/or Water Column Height is less than 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: 216.9 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	1056	44.69	CLR	HC	6.94	1.548	-159	0.26	11.81	25.80
800	1058	44.81	CLR	HC	6.92	1.556	-154	0.05	5.089	25.11
1600	1100	44.88	CLR	HC	6.92	1.561	-157	-0.02	4.424	24.68
2400	1102	44.88	CLR	HC	6.92	1.563	-159	-0.05	3.797	24.53

Start Time: 1056 | Elapsed Time (min): 6 | Water Quality Meter ID & SN: TROLL 9500 - R26717

Stop Time: 1102 | Average Purge Rate (mL/min): 400 | Date Calibrated: 7-13-16

SAMPLING DATA

Sample Date: 07-13-16 | Sample Time: 1110 | Lab Analysis: VOC, SVOC

Sample Method: Monsoon Pump / Low Flow | Sample Flow Rate (mL/min): 400 | QA/QCSamples: NA

VOA Vials, No Headspace ☑ Initials: CW IP

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: 2400 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 3Q16 GW PROJECT NUMBER: 60477387 - 1.03.003 FIELD PERSONNEL: J. Peters C. Williams

DATE: 7/15/16 WEATHER: Sunny 85°

MONITORING WELL ID: P-58 SAMPLE ID: P58-ROX-071516

INITIAL DATA

Well Diameter): 2 in
Total Well Depth (btoc): 65.21 ft
Depth to Water (btoc): 42.05 ft
Depth to LNAPL/DNAPL (btoc): NE ft
Depth to Top of Screen (btoc): 40.21 ft
Screen Length: 25 ft

Water Column Height (do not include LNAPL or DNAPL): 23.16 ft btoc

~~If Depth to Top of Screen is greater than Depth to Water, and Screen Length is less than or = 10', Place Pump at: Depth to Top of Screen + ½ * (Screen Length) = _____ ft btoc~~

~~If Depth to Top of Screen is less than Depth to Water, and Screen Length is less than or = 10', Place Pump at: Depth to Water + ½ * (Water Column Height) = _____ 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

If Screen Length is greater than 10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever Is Deeper = 47.05 ft btoc

If Screen Length is greater than 10' AND Water Column Height is less than 10', Place Pump at: ½ * (Water Column Height) = — ft btoc

If Screen Length and/or Water Column Height is less than 4 ft, Place Pump at: Total Well Depth - 2 ft = — 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	1008	42.18	clear	Slight HC like	6.63	2.191	-120	0.03	4.893	24.43
800	1010	42.18			6.63	2.182	-121	0.02	4.781	24.51
1600	1011	42.18			6.62	2.176	-121	0.01	3.993	24.67
2400	1013				6.62	2.166	-122	0.00	4.300	24.82
3200	1015				6.62	2.164	-122	-0.00	5.494	24.86
4000	1016				6.62	2.165	-122	-0.01	24.80	24.97
4800	1018				6.62	2.163	-122	-0.01	23.88	25.06
5600	1019				6.63	2.165	-123	-0.02	11.19	25.05
6400	1021				6.63	2.162	-123	-0.03	11.36	25.03
7200	1022				6.63	2.160	-124	-0.03	10.60	24.94

Start Time: 1008 Elapsed Time (min): 14 min Water Quality Meter ID & SN: TROLL 9500 - R26717

Stop Time: 1022 Average Purge Rate (mL/min): 400 Date Calibrated: 7-15-16

SAMPLING DATA

Sample Date: 7/15/16 Sample Time: 1030 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

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: 7200 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 3Q16 GW PROJECT NUMBER: 60477387 - 1.03.003 FIELD PERSONNEL: I. PARTIN, C. WILLIAMS

DATE: 7-13-16 WEATHER: SUNNY 80°

MONITORING WELL ID: P-59 SAMPLE ID: P59-ROX-071316

INITIAL DATA

Well Diameter): 2 in
Total Well Depth (btoc): 72.91 ft
Depth to Water (btoc): 44.01 ft
Depth to LNAPL/DNAPL (btoc): NE ft
Depth to Top of Screen (btoc): 47.91 ft
Screen Length: 25 ft

Water Column Height (do not include LNAPL or DNAPL): 28.90 ft btoc

~~If Depth to Top of Screen is greater than Depth to Water, and Screen Length is less than or = 10', Place Pump at: Depth to Top of Screen + ½ * (Screen Length) = _____ ft btoc~~

~~If Depth to Top of Screen is less than Depth to Water, and Screen Length is less than or = 10', Place Pump at: Depth to Water + ½ * (Water Column Height) = _____ ft btoc~~

If Screen Length is greater than 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 is greater than 10' AND Water Column Height is less than 10', Place Pump at: ½ * (Water Column Height) = — ft btoc

If Screen Length and/or Water Column Height is less than 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: 368.3 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	09:40	44.01	CLR	HC	6.65	1.882	-148	0.23	12.37	29.06
800	09:42	44.01	CLR	HC	6.66	1.889	-151	0.05	11.69	29.08
R 1600	09:44	44.01	CLR	HC	6.67	1.888	-151	-0.01	11.10	29.12
2400	09:46	44.01	CLR	HC	6.67	1.878	-150	-0.04	10.43	29.15

Start Time: 0940 Elapsed Time (min): 6 Water Quality Meter ID & SN: TROLL 9500 -- R216717

Stop Time: 0946 Average Purge Rate (mL/min): 400 Date Calibrated: 7-13-16

SAMPLING DATA

Sample Date: 7-13-16 Sample Time: 0955 Lab Analysis: VOC, SVOC

Sample Method: Monsoon Pump / Low Flow Sample Flow Rate (mL/min): 400 QA/QC Samples: N/A

VOA Vials, No Headspace ☑ Initials: IP 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: 2400 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 3Q16 GW PROJECT NUMBER: 60477387 - 1.03.003 FIELD PERSONNEL: Chase, Walkowska

DATE: 7/5/16 WEATHER: Cloudy

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): NE ft
Depth to LNAPL/DNAPL (btoc): NE ft
Depth to Top of Screen (btoc): 13.84 ft
Screen Length: 10 ft

Water Column Height (do not include LNAPL or DNAPL): — ft btoc

If Depth to Top of Screen is greater than Depth to Water, and Screen Length is less than or = 10', Place Pump at:
Depth to Top of Screen + ½ * (Screen Length) = — ft btoc

If Depth to Top of Screen is less than Depth to Water, and Screen Length is less than or = 10', Place Pump at:
Depth to Water + ½ * (Water Column Height) = — ft btoc

~~If Screen Length is greater than 10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever Is Deeper = ft btoc~~

~~If Screen Length is greater than 10' AND Water Column Height is less than 10', Place Pump at: ½ * (Water Column Height) = ft btoc~~

If Screen Length and/or Water Column Height is less than 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: 36.2 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)

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: —

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)

Well Dry. No Sample collected

Total Purge Volume: 0 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 3Q16 GW PROJECT NUMBER: 60477387 - 1.03.003 FIELD PERSONNEL: Chase, Walkowska

DATE: 7/5/16 WEATHER: Cloudy

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): 17.15 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): ft btoc

If Depth to Top of Screen is greater than Depth to Water, and Screen Length is less than or = 10', Place Pump at:
Depth to Top of Screen + ½ * (Screen Length) = — ft btoc

If Depth to Top of Screen is less than Depth to Water, and Screen Length is less than or = 10', Place Pump at:
Depth to Water + ½ * (Water Column Height) = — ft btoc

~~If Screen Length is greater than 10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever Is Deeper = ft btoc~~

~~If Screen Length is greater than 10' AND Water Column Height is less than 10', Place Pump at: ½ * (Water Column Height) = ft btoc~~

If Screen Length and/or Water Column Height is less than 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: 0.2 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)

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:

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)

Not enough water to sample.

Total Purge Volume: 0 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 3Q16 GW PROJECT NUMBER: 60477387 - 1.03.003 FIELD PERSONNEL: I. PARTIN, C. WILLIAMS

DATE: 07-11-16 WEATHER: SUNNY 88°

MONITORING WELL ID: P-66 SAMPLE ID: P66-ROX-071116

INITIAL DATA

Well Diameter): 2 in
Total Well Depth (btoc): 59.72 ft
Depth to Water (btoc): 33.58 ft
Depth to LNAPL/DNAPL (btoc): NE ft
Depth to Top of Screen (btoc): 34.72 ft
Screen Length: 25 ft

Water Column Height (do not include LNAPL or DNAPL): 26.14 ft btoc

~~If Depth to Top of Screen is greater than Depth to Water, and Screen Length is less than or = 10', Place Pump at: Depth to Top of Screen + ½ * (Screen Length) = _____ ft btoc~~

~~If Depth to Top of Screen is less than Depth to Water, and Screen Length is less than or = 10', Place Pump at: Depth to Water + ½ * (Water Column Height) = _____ 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: 105.6 ppm

If Screen Length is greater than 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 is greater than 10' AND Water Column Height is less than 10', Place Pump at: ½ * (Water Column Height) = — ft btoc

If Screen Length and/or Water Column Height is less than 4 ft, Place Pump at: Total Well Depth - 2 ft = — 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	1356	33.60	CLR	~~SLT~~ HC	6.61	1.340	-256	0.35	7.059	26.33
800	1358	33.60	CLR	SLT HC	6.61	1.292	-258	0.11	5.380	25.19
1600	1400	33.60	CLR	SLT HC	6.60	1.292	-258	0.04	5.102	24.77
2400	1402	33.60	CLR	SLT HC	6.60	1.282	-259	0.02	6.205	24.43
3200	1404	33.60	CLR	SLT HC	6.59	1.283	-260	0.01	8.949	24.88

Start Time: 1356 Elapsed Time (min): 8 Water Quality Meter ID & SN: TROLL 9500 - R26717

Stop Time: 1409 Average Purge Rate (mL/min): 400 Date Calibrated: 07-11-16

SAMPLING DATA

Sample Date: 07-11-16 Sample Time: 1410 Lab Analysis: VOC, SVOC

Sample Method: Monsoon Pump / Low Flow Sample Flow Rate (mL/min): 400 QA/QCSamples: NA

VOA Vials, No Headspace ☑ Initials: IP 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 3Q16 GW PROJECT NUMBER: 60477387 - 1.03.003 FIELD PERSONNEL: S. Fisher / D. Haxel

DATE: 7-15-16 WEATHER: 90° P. Cloudy

MONITORING WELL ID: P-68 SAMPLE ID: no sample; product in well

INITIAL DATA

Well Diameter): 2 in
Total Well Depth (btoc): 70.26 ft
Depth to Water (btoc): 42.29 ft
Depth to LNAPL/DNAPL (btoc): 42.24 ft
Depth to Top of Screen (btoc): 45.26 ft
Screen Length: 25 ft

Water Column Height (do not include LNAPL or DNAPL): 27.97 ft btoc

~~If Depth to Top of Screen is greater than Depth to Water, and Screen Length is less than or = 10', Place Pump at: Depth to Top of Screen + ½ * (Screen Length) = _____ ft btoc~~

~~If Depth to Top of Screen is less than Depth to Water, and Screen Length is less than or = 10', Place Pump at: Depth to Water + ½ * (Water Column Height) = _____ ft btoc~~

If Screen Length is greater than 10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever Is Deeper = — ft btoc

If Screen Length is greater than 10' AND Water Column Height is less than 10', Place Pump at: ½ * (Water Column Height) = — ft btoc

If Screen Length and/or Water Column Height is less than 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: 161.7 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)
		Samuel Fisher								

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)

LNAL in well. No sample collected.

Total Purge Volume: mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 3Q16 GW PROJECT NUMBER: 60477387 - 1.03.003 FIELD PERSONNEL: I. PARTIN C. WILLIAMS

DATE: 7-12-16 WEATHER: SUNNY 78°

MONITORING WELL ID: P-74 SAMPLE ID: P74-ROX-071216

INITIAL DATA

Well Diameter): 4 in
Total Well Depth (btoc): 69.43 ft
Depth to Water (btoc): 39.56 ft
Depth to LNAPL/DNAPL (btoc): NI ft
Depth to Top of Screen (btoc): 44.43 ft
Screen Length: 25 ft

Water Column Height (do not include LNAPL or DNAPL): 29.87 ft btoc

~~If Depth to Top of Screen is greater than Depth to Water, and Screen Length is less than or = 10', Place Pump at: Depth to Top of Screen + ½ * (Screen Length) = ft btoc~~

~~If Depth to Top of Screen is less than Depth to Water, and Screen Length is less than or = 10', Place Pump at: Depth to Water + ½ * (Water Column Height) = ft btoc~~

If Screen Length is greater than 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 is greater than 10' AND Water Column Height is less than 10', Place Pump at: ½ * (Water Column Height) = — ft btoc

If Screen Length and/or Water Column Height is less than 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

	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	0939	39.89	CLR	SLT HC	6.76	0.1780	-261	0.50	11.43	21.63
800	0941	39.89	CLR		6.85	0.1737	-272	0.26	16.47	21.63
1600	0943	39.89	CLR		6.90	0.1719	-279	0.11	9.988	21.31
2400	0945	39.89	CLR		6.93	0.1712	-283	0.05	9.775	21.13
3200	0947	39.89	CLR		6.94	0.1710	-286	0.01	8.495	21.04

Start Time: 0939 Elapsed Time (min): 8 Water Quality Meter ID & SN: TROLL 9500 -- A26747

Stop Time: 0947 Average Purge Rate (mL/min): 400 Date Calibrated: 7-12-16

SAMPLING DATA

Sample Date: 07-12-16 Sample Time: ~~0955~~ 1000 JP Lab Analysis: VOC, SVOC

Sample Method: Monsoon Pump / Low Flow Sample Flow Rate (mL/min): 400 QA/QCSamples: MS, MSD

VOA Vials, No Headspace ☑ Initials: CW JP

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 3Q16 GW PROJECT NUMBER: 60477387 - 1.03.003 FIELD PERSONNEL: I. PARTIN, C. WILLIAMS

DATE: 7-13-16 WEATHER: PARTLY CLOUD 85°

MONITORING WELL ID: P-93A SAMPLE ID: P93A-ROX-071316 P93A-ROX-071316

INITIAL DATA

Well Diameter): 2 in
Total Well Depth (btoc): 53.07 ft
Depth to Water (btoc): 42.20 ft
Depth to LNAPL/DNAPL (btoc): NE ft
Depth to Top of Screen (btoc): 43.07 ft
Screen Length: 10 ft

Water Column Height (do not include LNAPL or DNAPL): ~~11.87~~ 10.87 ft btoc

If Depth to Top of Screen is greater than Depth to Water, and Screen Length is less than or = 10', Place Pump at:
Depth to Top of Screen + ½ * (Screen Length) = — ft btoc

If Depth to Top of Screen is less than Depth to Water, and Screen Length is less than or = 10', Place Pump at:
Depth to Water + ½ * (Water Column Height) = 48.07 ft btoc

~~If Screen Length is greater than 10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever is Deeper = ft btoc~~

~~If Screen Length is greater than 10' AND Water Column Height is less than 10', Place Pump at: ½ * (Water Column Height) = ft btoc~~

If Screen Length and/or Water Column Height is less than 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: 11.4 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	1404	42.42	CLR	HC	6.86	1.779	111	0.39	3.762	23.37
800	1406	42.42	CLR	HC	6.81	1.794	103	0.11	2.689	22.16
1600	1408	42.42	CLR	HC	6.78	1.795	102	0.02	1.654	21.76
2400	1410	42.42	CLR	HC	6.77	1.795	103	0.01	1.592	21.63

Start Time: 1404 Elapsed Time (min): 6 Water Quality Meter ID & SN: TROLL 9500 -- R20757

Stop Time: 1410 Average Purge Rate (mL/min): 400 Date Calibrated: 7-13-16

SAMPLING DATA

Sample Date: 7-13-16 Sample Time: 1420 Lab Analysis: VOC, SVOC

Sample Method: Monsoon Pump / Low Flow Sample Flow Rate (mL/min): 400 QA/QCSamples: DUP

VOA Vials, No Headspace ☑ Initials: IP 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: 2400 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 3Q16 GW PROJECT NUMBER: 60477387 - 1.03.003 FIELD PERSONNEL: J. Peters C. Williams

DATE: 7/15/16 WEATHER: 90° Sunny

MONITORING WELL ID: P-93B SAMPLE ID: P93B-BOX-071516

INITIAL DATA

Well Diameter): 2 in
Total Well Depth (btoc): 76.60 ft
Depth to Water (btoc): 43.65 ft
Depth to LNAPL/DNAPL (btoc): NE ft
Depth to Top of Screen (btoc): 74.60 ft
Screen Length: 2 ft

Water Column Height (do not include LNAPL or DNAPL): 32.95 ft btoc

~~If Depth to Top of Screen is greater than Depth to Water, and Screen Length is less than or = 10', Place Pump at: Depth to Top of Screen + ½ * (Screen Length) = _____ ft btoc~~

~~If Depth to Top of Screen is less than Depth to Water, and Screen Length is less than or = 10', Place Pump at: Depth to Water + ½ * (Water Column Height) = _____ ft btoc~~

~~If Screen Length is greater than 10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever Is Deeper = _____ ft btoc~~

~~If Screen Length is greater than 10' AND Water Column Height is less than 10', Place Pump at: ½ * (Water Column Height) = _____ ft btoc~~

If Screen Length and/or Water Column Height is less than 4 ft, Place Pump at: Total Well Depth - 2 ft = 75.60 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: 3.1 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	1409	43.65	clear	Moderate HC like odor	6.91	1.438	-116	0.60	8.563	19.83
800	1411				6.91	1.443	-116	0.58	229.0	19.90
1600	1413				6.91	1.440	-115	0.69	6.976	19.73
2400	1414				6.90	1.445	-115	0.65	18.93	19.69
3200	1416				6.90	1.443	-115	0.59	11.68	19.49
4000	1417				6.90	1.448	-115	0.53	5.380	19.54
4800	1419				6.89	1.443	-114	0.71	11.26	19.55
5600	1421				6.89	1.448	-114	0.53	3.644	19.50

Start Time: 1409 Elapsed Time (min): 12 Water Quality Meter ID & SN: TROLL 9500 - R26717

Stop Time: 1421 Average Purge Rate (mL/min): 400 Date Calibrated: 7-15-16

SAMPLING DATA

Sample Date: 7-15-16 Sample Time: 1430 Lab Analysis: VOC, SVOC

Sample Method: Bladder Pump / Low Flow Sample Flow Rate (mL/min): 400 QA/QCSamples: None

VOA Vials, No Headspace ☑ Initials: 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: 5600 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 3Q16 GW | PROJECT NUMBER: 60477387 - 1.03.003 | FIELD PERSONNEL: I. PARTIN C. WILLIAMS

DATE: 7-12-16 | WEATHER: CLOUDY 79°

MONITORING WELL ID: P-93C | SAMPLE ID: P93C-ROX-071216 , P93C-ROX-071216-EB

INITIAL DATA

Well Diameter): 2 in
Total Well Depth (btoc): 97.47 ft
Depth to Water (btoc): 43.37 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): 54.1 ft btoc

If Depth to Top of Screen is greater than Depth to Water, and Screen Length is less than or = 10', Place Pump at:
Depth to Top of Screen + ½ * (Screen Length) = 94.97 ft btoc

If Depth to Top of Screen is less than Depth to Water, and Screen Length is less than or = 10', Place Pump at:
Depth to Water + ½ * (Water Column Height) = ____ ft btoc

~~If Screen Length is greater than 10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever is Deeper = ____ ft btoc~~

~~If Screen Length is greater than 10' AND Water Column Height is less than 10', Place Pump at: ½ * (Water Column Height) = ____ ft btoc~~

If Screen Length and/or Water Column Height is less than 4 ft, Place Pump at: Total Well Depth - 2 ft = ~~95.47~~ 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: 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	14:02	43.38	CLOUDY	Slight HC	7.32	1.155	-240	1.11	181.8	21.43
800	14:04	43.38	CLOUDY		7.09	1.206	-238	0.35	150.1	20.70
IP ~~1600~~ 2000	14:07 IP	43.38	CLOUDY		7.04	1.224	-239	0.11	94.27	20.31
3200	14:10	43.38	CLOUDY		7.02	1.230	-240	0.05	63.71	20.20
4000	14:12	43.38	CLOUDY		7.01	1.233	-240	0.02	46.96	20.09
IP ~~4800~~ 5200	14:15	43.38	CLOUDY		7.01	1.235	-241	0.01	51.32	20.10

Start Time: 14:02 | Elapsed Time (min): 13 | Water Quality Meter ID & SN: TROLL 9500 - R26717

Stop Time: 14:15 | Average Purge Rate (mL/min): 400 | Date Calibrated: 7-12-16

SAMPLING DATA

Sample Date: 7-12-16 | Sample Time: 1420 | Lab Analysis: VOC, SVOC

Sample Method: Monsoon Pump / Low Flow | Sample Flow Rate (mL/min): 400 | QA/QCSamples: EB

VOA Vials, No Headspace ☑ Initials: IP 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 GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 3Q16 GW PROJECT NUMBER: 60477387 - 1.03.003 FIELD PERSONNEL: J. Peters C. Williams

DATE: 7-15-16 WEATHER: 88° Sunny

MONITORING WELL ID: P-93D SAMPLE ID: P-93D-ROX-071516

INITIAL DATA

Well Diameter: 2 in
Total Well Depth (btoc): 128.00 ft
Depth to Water (btoc): 43.83 ft
Depth to LNAPL/DNAPL (btoc): NE ft
Depth to Top of Screen (btoc): 125.75 ft
Screen Length: 2 ft

Water Column Height (do not include LNAPL or DNAPL): 84.17 ft btoc

~~If Depth to Top of Screen is greater than Depth to Water, and Screen Length is less than or = 10', Place Pump at: Depth to Top of Screen + ½ * (Screen Length) = _____ ft btoc~~

~~If Depth to Top of Screen is less than Depth to Water, and Screen Length is less than or = 10', Place Pump at: Depth to Water + ½ * (Water Column Height) = _____ ft btoc~~

~~If Screen Length is greater than 10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever Is Deeper = _____ ft btoc~~

~~If Screen Length is greater than 10' AND Water Column Height is less than 10', Place Pump at: ½ * (Water Column Height) = _____ ft btoc~~

If Screen Length and/or Water Column Height is less than 4 ft, Place Pump at: Total Well Depth - 2 ft = 127.00 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: 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	1313	43.83	clear	slight HC like	7.22	1.456	-144	0.00	3.046	18.96
800	1315				7.22	1.450	-144	0.01	2.685	19.09
1600	1317				7.21	1.455	-143	0.01	2.605	18.96
2400	1319				7.21	1.458	-143	0.01	2.530	19.01
3200	1321				7.21	1.455	-142	0.01	3.067	18.93

Start Time: 1313
Stop Time: 1321

Elapsed Time (min): 8 min
Average Purge Rate (mL/min): 400

Water Quality Meter ID & SN: TROLL 9500 -- RZ16717
Date Calibrated: 7-15-16

SAMPLING DATA

Sample Date: 7-15-16
Sample Time: 1330
Lab Analysis: VOC, SVOC
Sample Method: Bladder Pump / Low Flow
Sample Flow Rate (mL/min): 400
QA/QC Samples: None
VOA Vials, No Headspace ☒ Initials: 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 3Q16 GW PROJECT NUMBER: 60477387 - 1.03.003 FIELD PERSONNEL: J. Peters C. Williams

DATE: 7/8/2016 WEATHER: Sunny 92°

MONITORING WELL ID: P-114R SAMPLE ID: P114R-ROX-070816

INITIAL DATA

Well Diameter): 2 in
Total Well Depth (btoc): 33.31 ft
Depth to Water (btoc): 24.92 ft
Depth to LNAPL/DNAPL (btoc): NE ft
Depth to Top of Screen (btoc): 23.01 ft
Screen Length: 10 ft

Water Column Height (do not include LNAPL or DNAPL): 8.39 ft btoc

If Depth to Top of Screen is greater than Depth to Water, and Screen Length is less than or = 10', Place Pump at:
Depth to Top of Screen + ½ * (Screen Length) = — ft btoc

If Depth to Top of Screen is less than Depth to Water, and Screen Length is less than or = 10', Place Pump at:
Depth to Water + ½ * (Water Column Height) = 29.11 ft btoc

~~If Screen Length is greater than 10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever Is Deeper = ft btoc~~

~~If Screen Length is greater than 10' AND Water Column Height is less than 10', Place Pump at: ½ * (Water Column Height) = ft btoc~~

If Screen Length and/or Water Column Height is less than 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	1455	24.95	Clear	M-HC	6.79	1.132	-289	0.07	20.71	23.42
800	1457	24.95		Moderate HC	6.80	1.131	-290	0.05	17.21	23.24
1600	1459	24.95		"	6.80	1.128	-291	0.03	15.61	23.08
2400	1500	24.95		"	6.81	1.123	-292	0.02	12.79	22.95
3200	1502			"	6.81	1.121	-293	0.01	10.14	22.88
4000	1504			"	6.82	1.117	-294	0.00	10.76	22.83
4800	1505			"	6.82	1.115	-295	-0.00	8.809	22.88

Start Time: 1455 Elapsed Time (min): 10 Water Quality Meter ID & SN: TROLL 9500 -- R26717

Stop Time: 1505 Average Purge Rate (mL/min): 400 Date Calibrated: 07/08/16

SAMPLING DATA

Sample Date: 07/08/16 Sample Time: 1510 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

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 3Q16 GW PROJECT NUMBER: 60477387 - 1.03.003 FIELD PERSONNEL: S. Fisher / D. Hoxel

DATE: 7-14-16 WEATHER: 90° clear

MONITORING WELL ID: ROST-3-MW SAMPLE ID: ROST3MW-ROX-071416

INITIAL DATA

Well Diameter): 2 in
Total Well Depth (btoc): 48.06 ft
Depth to Water (btoc): 38.70 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): 9.36 ft btoc

If Depth to Top of Screen is greater than Depth to Water, and Screen Length is less than or = 10', Place Pump at:
Depth to Top of Screen + ½ * (Screen Length) = NA ft btoc

If Depth to Top of Screen is less than Depth to Water, and Screen Length is less than or = 10', Place Pump at:
Depth to Water + ½ * (Water Column Height) = 43.38 ft btoc

~~If Screen Length is greater than 10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever Is Deeper = ft btoc~~

~~If Screen Length is greater than 10' AND Water Column Height is less than 10', Place Pump at: ½ * (Water Column Height) = ft btoc~~

If Screen Length and/or Water Column Height is less than 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: 0.0 ppm
Wellbore PID/FID Reading: 101.7 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	1013	38.70	none	moderate	6.78	1.425	-102	0.66	13.57	19.84
600	1015				6.76	1.411	-103	0.54	11.54	19.41
1200	1017				6.76	1.406	-104	0.32	11.84	19.29
1800	1018				6.76	1.404	-104	0.23	10.95	19.14
2400	1019	38.82			6.75	1.403	-104	0.17	9.478	18.97
3000	1021	38.82			6.75	1.406	-103	0.13	8.675	19.03

Samuel Fisher

Start Time: 1013 Elapsed Time (min): ~~SMF 1025~~ 8 Water Quality Meter ID & SN: TROLL 9500 -- R27884

Stop Time: 1021 Average Purge Rate (mL/min): 400 Date Calibrated: 7-14-16

SAMPLING DATA

Sample Date: 7-14-16 Sample Time: 1025 Lab Analysis: VOC, SVOC

Sample Method: Monsoon Pump / Low Flow Sample Flow Rate (mL/min): 400 QA/QCSamples: none

VOA Vials, No Headspace ☒ 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: 3000 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 3Q16 GW PROJECT NUMBER: 60477387 - 1.03.003 FIELD PERSONNEL: S. Fisher / D. Haxel

DATE: 7-15-16 WEATHER: 85° Sunny

MONITORING WELL ID: ROST-4-PZ(C) SAMPLE ID: ROST4PZC-ROX-071516

INITIAL DATA

Well Diameter): 2 in
Total Well Depth (btoc): 45.20 ft
Depth to Water (btoc): 38.93 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): 6.27 ft btoc

If Depth to Top of Screen is greater than Depth to Water, and Screen Length is less than or = 10', Place Pump at:
Depth to Top of Screen + ½ * (Screen Length) = NA ft btoc

If Depth to Top of Screen is less than Depth to Water, and Screen Length is less than or = 10', Place Pump at:
Depth to Water + ½ * (Water Column Height) = 42.07 ft btoc

~~If Screen Length is greater than 10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever Is Deeper = ft btoc~~

~~If Screen Length is greater than 10' AND Water Column Height is less than 10', Place Pump at: ½ * (Water Column Height) = ft btoc~~

If Screen Length and/or Water Column Height is less than 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: 0.0 ppm
Wellbore PID/FID Reading: 0.0 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	919	38.93	foggy	moderate	7.00	1.530	-155	0.56	22.51	20.77
600	922	39.33			7.06	1.565	-170	0.26	13.01	20.35
1200	924	39.32			7.09	1.558	-172	0.18	10.46	20.16
1800	923	↓			7.10	1.557	-173	0.11	7.307	20.15
2400	925	39.32	✓	✓	7.12	1.563	-174	0.10	5.536	20.30

Samuel Fisher

Start Time: 919 Elapsed Time (min): 6 Water Quality Meter ID & SN: TROLL 9500 -- R27884

Stop Time: 925 Average Purge Rate (mL/min): 400 Date Calibrated: 7-15-16

SAMPLING DATA

Sample Date: 7-15-16 Sample Time: 930 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: 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: 2400 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 3Q16 GW PROJECT NUMBER: 60477387 - 1.03.003 FIELD PERSONNEL: S. Fisher / D. Haxel

DATE: 7-14-16 SMF WEATHER: 95° Sunny

MONITORING WELL ID: ~~ROST-7-PZ (PERCHED)~~ ROST-5-PZ SAMPLE ID: well dry, no sample

INITIAL DATA

Well Diameter): 1 in 23.20
Total Well Depth (btoc): ~~88.00~~ ft
Depth to Water (btoc): NE ft
Depth to LNAPL/DNAPL (btoc): NE ft
Depth to Top of Screen (btoc): 20.00 ft
Screen Length: 10 ft
DTB = 22.96

Water Column Height (do not include LNAPL or DNAPL): — ft btoc

If Depth to Top of Screen is greater than Depth to Water, and Screen Length is less than or = 10', Place Pump at:
Depth to Top of Screen + ½ * (Screen Length) = — ft btoc

If Depth to Top of Screen is less than Depth to Water, and Screen Length is less than or = 10', Place Pump at:
Depth to Water + ½ * (Water Column Height) = — ft btoc

~~If Screen Length is greater than 10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever Is Deeper = ft btoc~~

~~If Screen Length is greater than 10' AND Water Column Height is less than 10', Place Pump at: ½ * (Water Column Height) = ft btoc~~

If Screen Length and/or Water Column Height is less than 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: 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)

Samuel Fisher

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/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)

Well Dry. No sample collected.

Total Purge Volume: mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 3Q16 GW PROJECT NUMBER: 60477387 - 1.03.003 FIELD PERSONNEL: S. Fisher/D. Haxel

DATE: 7-14-16 WEATHER: 95° Sunny

MONITORING WELL ID: ~~ROST-5-PZ (PERCHED)~~ SMF ROST-7-PZ SAMPLE ID: Not enough water to sample

INITIAL DATA

Well Diameter): 1 in
Total Well Depth (btoc): ~~23.20~~ 30.00 ft
Depth to Water (btoc): 21.88 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): 8.12 ft btoc

If Depth to Top of Screen is greater than Depth to Water, and Screen Length is less than or = 10', Place Pump at:
Depth to Top of Screen + ½ * (Screen Length) = ft btoc

If Depth to Top of Screen is less than Depth to Water, and Screen Length is less than or = 10', Place Pump at:
Depth to Water + ½ * (Water Column Height) = ft btoc

~~If Screen Length is greater than 10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever Is Deeper = ft btoc~~

~~If Screen Length is greater than 10' AND Water Column Height is less than 10', Place Pump at: ½ * (Water Column Height) = ft btoc~~

If Screen Length and/or Water Column Height is less than 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: 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)

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 3Q16 GW PROJECT NUMBER: 60477387 - 1.03.003 FIELD PERSONNEL: S. Fisher/D. Haxel

DATE: 7-14-16 WEATHER: 95° Clear

MONITORING WELL ID: ROST-10-PZ (PERCHED) SAMPLE ID: Not enough water to sample

INITIAL DATA

Well Diameter): 1 in
Total Well Depth (btoc): 20.00 ft
Depth to Water (btoc): 19.85 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): 0.15 ft btoc

If Depth to Top of Screen is greater than Depth to Water, and Screen Length is less than or = 10', Place Pump at:
Depth to Top of Screen + ½ * (Screen Length) = ft btoc

If Depth to Top of Screen is less than Depth to Water, and Screen Length is less than or = 10', Place Pump at:
Depth to Water + ½ * (Water Column Height) = ft btoc

~~If Screen Length is greater than 10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever Is Deeper = ft btoc~~

~~If Screen Length is greater than 10' AND Water Column Height is less than 10', Place Pump at: ½ * (Water Column Height) = ft btoc~~

If Screen Length and/or Water Column Height is less than 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: N/A

	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)

Samuel Fisher

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:

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)

Total Purge Volume: mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 3Q16 GW PROJECT NUMBER: 60477387 - 1.03.003 FIELD PERSONNEL: S. Fisher / D. Haxel

DATE: 7-14-16 WEATHER: 95° Sunny

MONITORING WELL ID: ROST-21-PZ (PERCHED) SAMPLE ID: Not enough water to sample

INITIAL DATA

Well Diameter): 1 in
Total Well Depth (btoc): 20.00 ft
Depth to Water (btoc): 19.48 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): 0.52 ft btoc

If Depth to Top of Screen is greater than Depth to Water, and Screen Length is less than or = 10', Place Pump at:
Depth to Top of Screen + ½ * (Screen Length) = — ft btoc

If Depth to Top of Screen is less than Depth to Water, and Screen Length is less than or = 10', Place Pump at:
Depth to Water + ½ * (Water Column Height) = — ft btoc

~~If Screen Length is greater than 10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever Is Deeper = ft btoc~~

~~If Screen Length is greater than 10' AND Water Column Height is less than 10', Place Pump at: ½ * (Water Column Height) = ft btoc~~

If Screen Length and/or Water Column Height is less than 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: 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)

Samuel Fisher

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:

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)

Total Purge Volume: mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 3Q16 GW | PROJECT NUMBER: 60477387 - 1.03.003 | FIELD PERSONNEL: T. PARTIN, C. WILLIAMS

DATE: 07-12-16 | WEATHER: PARTLY CLOUDY

MONITORING WELL ID: T-12 | SAMPLE ID: T12-ROX-071216

INITIAL DATA

Well Diameter): 6 in
Total Well Depth (btoc): 72.83 ft
Depth to Water (btoc): 41.50 ft
Depth to LNAPL/DNAPL (btoc): NF ft
Depth to Top of Screen (btoc): 46.83 ft
Screen Length: 26 ft

Water Column Height (do not include LNAPL or DNAPL): 31.33 ft btoc

~~If Depth to Top of Screen is greater than Depth to Water, and Screen Length is less than or = 10', Place Pump at: Depth to Top of Screen + ½ * (Screen Length) = _____ ft btoc~~

~~If Depth to Top of Screen is less than Depth to Water, and Screen Length is less than or = 10', Place Pump at: Depth to Water + ½ * (Water Column Height) = _____ ft btoc~~

If Screen Length is greater than 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 is greater than 10' AND Water Column Height is less than 10', Place Pump at: ½ * (Water Column Height) = — ft btoc

If Screen Length and/or Water Column Height is less than 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: 2.1 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	15:12	41.56	CLR	SLT HC	6.92	1.196	-272	0.50	5.316	27.13
800	15:14	41.56	CLR	SLT HC	6.91	1.206	-275	0.18	4.326	26.66
1600	15:16	41.58	CLR	SLT HC	6.90	1.205	-277	0.08	4.315	26.55
2400	15:18	41.58	CLR	SLT HC	6.90	1.206	-278	0.09	3.963	26.10
3200	15:20	41.58	CLR	SLT HC	6.90	1.206	-280	0.00	7.741	26.05

Start Time: 15:12 | Elapsed Time (min): 8 | Water Quality Meter ID & SN: TROLL 9500 -- A26717

Stop Time: 15:20 | Average Purge Rate (mL/min): 400 | Date Calibrated: 7-12-16

SAMPLING DATA

Sample Date: 7-12-16 | Sample Time: 1530 | Lab Analysis: VOC, SVOC

Sample Method: Monsoon Pump / Low Flow | Sample Flow Rate (mL/min): 400 | QA/QCSamples: NA

VOA Vials, No Headspace ☑ Initials: IP CW

COMMENTS:

Total Purge Volume: 3200 mL

Appendix B.
Data Review Forms and Laboratory Analytical Reports

Roxana Groundwater Quarterly – 3rd Quarter 2016 Data Review

Laboratory SDG: 400-124211-1

Data Reviewer: Melissa Mansker

Peer Reviewer: Elizabeth Kunkel

Date Reviewed: 8/4/2016

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

Sample Identification	Sample Identification
TB-ROX-070816W-8260	TB-ROX-070816W-8011
P114R-ROX-070816	

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 SVOCs in sample P114R-ROX-070816 were re-extracted 14 days outside of the extraction holding time criteria. Di-n-octyl phthalate was detected in the method blanks. Several SVOC LCS/LCSD recoveries and SVOC LCS/LCSD RPDs were outside evaluation criteria. The SVOC and PAH surrogate recoveries for terphenyl-d_{14} were outside criteria in sample P114R-ROX-070816. The continuing calibration verification for dibenz(a,h)anthracene exceeded evaluation criteria, biased low. These issues are addressed further in the appropriate sections below.

Additionally, the initial calibration verification for bromomethane, and the continuing calibration verification for n-nitrosodimethylamine, bis(2-ethylhexyl) phthalate, butyl benzyl phthalate, 2,4,6-tribromophenol, n-nitrosodi-n-propylamine, azobenzene, hexachlorocyclopendatiene, and di-n-octyl phthalate exceeded evaluation criteria. 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 two coolers was received by the laboratory at a temperature of 1.2°C, which is outside the 4ºC ± 2ºC criteria. Samples were received in good condition; therefore, no qualification of data was required. Additionally, although not indicated in the cooler receipt form, trip blank TB-ROX-070816W-8260 was unintentionally not listed on the COC; trip blank TB-ROX-070816W-8260 was correctly logged in using sample containers. No qualification of data was required.

3.0 Holding Times

Were samples extracted/analyzed within applicable limits?

No, SVOCs in sample P114R-ROX-070816 were re-extracted 14 days outside of the extraction holding time criteria (7 days) due to only spiking in the low level surrogates in the initial extraction. Holding time exceedances were greater than two times (2X) extraction criteria; therefore SVOCs in sample P114R-ROX-070816 were reported from

Run#1, which did not exceed holding time criteria. Please see sections below for qualifications on results reported from Run #1 for SVOC sample P114R-ROX-070816. No qualification of data due to holding time was required.

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 400-314243/1-A	SVOCs	Di-n-octyl phthalate	1.05 µg/L
MB 400-316146/1-A	SVOCs	Di-n-octyl phthalate	1.22 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 400-314243/2-A/3-A	SVOCs	Aniline	**8/3**	**79**	10-145/30
LCS/LCSD 400-314243/2-A/3-A	SVOCs	4-Chloroaniline	38/**27**	**34**	32-128/30
LCS/LCSD 400-314243/2-A/3-A	SVOCs	3-Nitroaniline	59/**49**	17	51-128/30
LCS/LCSD 400-314243/2-A/3-A	SVOCs	Pyridine	**0/0**	**NC**	10-127/30
LCS/LCSD 400-316146/2-A/3-A	SVOCs	Bis(2-ethylhexyl) phthalate	**157/159**	1	62-140/30
LCS/LCSD 400-316146/2-A/3-A	SVOCs	Butyl benzyl phthalate	**155/160**	3	51-150/30
LCS/LCSD 400-316146/2-A/3-A	SVOCs	Di-n-octyl phthalate	**149/149**	0	55-140/30
LCS/LCSD 400-316146/2-A/3-A	SVOCs	2-Nitroaniline	**136/145**	6	52-135/30
LCS/LCSD 400-316146/2-A/3-A	SVOCs	n-Nitrosodimethylamine	**142/146**	2	21-134/30
LCS/LCSD 400-316146/4-A/5-A	SVOCs	Benzenethiol	47/65	**32**	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. Additionally,

LCS/LCSD 400-316146/2-A/3-A/4-A/5-A was associated with Run#2 of sample P114R-ROX-070816; SVOCs in sample P114R-ROX-070816 were reported from Run#1.

Sample ID	Parameter	Analyte	Qualification
P114R-ROX-070816 Run#1	SVOCs	Aniline	**UJ**
P114R-ROX-070816 Run#1	SVOCs	4-Chloroaniline	**UJ**
P114R-ROX-070816 Run#1	SVOCs	3-Nitroaniline	**UJ**
P114R-ROX-070816 Run#1	SVOCs	Pyridine	**UJ**

6.0 Surrogate Recoveries

Were surrogate recoveries within evaluation criteria?

No

Sample ID	Parameter	Surrogate	Recovery (%)	Criteria (%)
P114R-ROX-070816	PAHs	Terphenyl-d_{14}	**16**	33-138
P114R-ROX-070816 Run #2	SVOCs	Terphenyl-d_{14}	**50**	53-125

Qualifications due to surrogate recoveries were not required due to only one of three base fraction surrogate recoveries being outside evaluation criteria in sample P114R-ROX-070816. 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, with the exception of SVOCs in sample P114R-ROX-070816 due to possible matrix interference. SVOCs in sample P114R-ROX-070816 were non-detect at a dilution factor of 5X; non-PAH 8270 SVOCs are historically non-detect for 2016 calendar year. No qualification of data was required.

12.0 Additional Qualifications

Were additional qualifications applied?

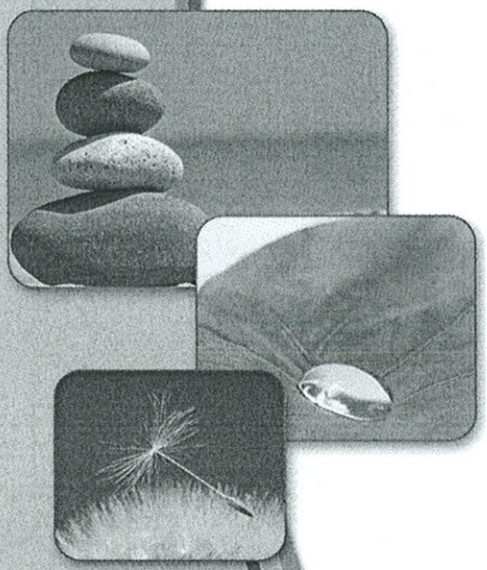
Yes, the continuing calibration verification for dibenz(a,h)anthracene was below acceptance criteria and is qualified as summarized in the following table.

Sample ID	Parameter	Analyte	New Reporting Limit (RL)	Qualification
P114R-ROX-070816	SVOCs	Dibenz(a,h)anthracene	-	**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: 400-124211-1
TestAmerica SDG: 60477387 - 1.03.003/1.03.0033
Client Project/Site: ROXANA QUARTERLY GW - 3Q16

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:
8/3/2016 5:26:17 PM

Carolyn Hooper, Project Manager I
(850)471-6226
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LINKS

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Reviewed 8/4/2016 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: 400-124211-1

Laboratory: TestAmerica Pensacola

Narrative

Job Narrative
400-124211-1

Receipt
The samples were received on 7/9/2016 9:13 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 1.2° C and 2.4° C.

GC/MS VOA
Method 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-314166 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 314166 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 samples were received preserved with hydrochloric acid: P114R-ROX-070816 (400-124211-2) and TB-ROX-070816W-8260 (400-124211-3). The requested target analyte list include 2-chloroethyl vinyl ether, Acrolein and Acrylonitrile, which are acid-labile compounds that degrade in an acidic medium.

The initial calibration verification (ICV) analyzed in batch 400-313890 was outside method criteria for the following analyte: bromomethane. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

GC/MS Semi VOA
Method 8270D: The continuing calibration verification (CCV) associated with batch 400-316485 recovered above the upper control limit for N-Nitrosodimethylamine, Bis(2-ethylhexyl) phthalate, Butyl benzyl phthalate, 2,4,6-Tribromophenol, N-Nitrosodi-n-propylamine, Azobenzene, Hexachlorocyclopentadiene and Di-n-octyl phthalate. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following sample is impacted: P114R-ROX-070816 (400-124211-2).

Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base 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: P114R-ROX-070816 (400-124211-2). These results have been reported and qualified.

The following sample was re-prepared outside of preparation holding time. Original extraction was completed using low level spike only. P114R-ROX-070816 (400-124211-2). Both sets of data have been reported.

The method blank for preparation batch 400-316146 and analytical batch 400-316322 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 %RPD of the laboratory control sample (LCS) and laboratory control standard duplicate (LCSD) for preparation batch 400-316146 recovered outside control limits for the following analytes: Benzenethiol.

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 400-316146 and analytical batch 400-316322 recovered outside control limits for the following analytes: 2,4,6-Trichlorophenol, Bis(2-ethylhexyl) phthalate, Butyl benzyl phthalate, Di-n-octyl phthalate, N-Nitrosodimethylamine and 2-Nitroaniline. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8270D LL: The continuing calibration verification (CCV) associated with batch 400-314468 recovered outside acceptance criteria, low biased, for Dibenz(a,h)anthracene. 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.

Job ID: 400-124211-1 (Continued)

Laboratory: TestAmerica Pensacola (Continued)

Sample Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 3Q16

TestAmerica Job ID: 400-124211-1
SDG: 60477387 - 1.03.003/1.03.0033

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-124211-1	TB-ROX-070816W-8011	Water	07/08/16 00:00	07/09/16 09:13
400-124211-2	P114R-ROX-070816	Water	07/08/16 15:10	07/09/16 09:13
400-124211-3	TB-ROX-O70816W-8260	Water	07/08/16 00:00	07/09/16 09:13

Detection Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 3Q16

TestAmerica Job ID: 400-124211-1
SDG: 60477387 - 1.03.003/1.03.0033

Client Sample ID: TB-ROX-070816W-8011 — Lab Sample ID: 400-124211-1

No Detections.

Client Sample ID: P114R-ROX-070816 — Lab Sample ID: 400-124211-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	17	J	25	10	ug/L	1		8260B	Total/NA
Methyl tert-butyl ether	0.82	J	1.0	0.74	ug/L	1		8260B	Total/NA

Client Sample ID: TB-ROX-070816W-8260 — Lab Sample ID: 400-124211-3

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: TB-ROX-070816W-8011
Date Collected: 07/08/16 00:00
Date Received: 07/09/16 09:13

Lab Sample ID: 400-124211-1
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		07/16/16 11:05	07/17/16 05:55	1
1,2-Dibromoethane	ND		0.021	0.0053	ug/L		07/16/16 11:05	07/17/16 05:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*85*		*51 - 149*	*07/16/16 11:05*	*07/17/16 05:55*	*1*

Client Sample ID: P114R-ROX-070816
Date Collected: 07/08/16 15:10
Date Received: 07/09/16 09:13

Lab Sample ID: 400-124211-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**17**	**J**	25	10	ug/L			07/14/16 00:05	1
Acrolein	ND		20	10	ug/L			07/14/16 00:05	1
Acrylonitrile	ND		10	2.8	ug/L			07/14/16 00:05	1
Benzene	ND		1.0	0.38	ug/L			07/14/16 00:05	1
Bromobenzene	ND		1.0	0.54	ug/L			07/14/16 00:05	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/14/16 00:05	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/14/16 00:05	1
Bromoform	ND		5.0	0.71	ug/L			07/14/16 00:05	1
Bromomethane	ND		1.0	0.98	ug/L			07/14/16 00:05	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/14/16 00:05	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/14/16 00:05	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			07/14/16 00:05	1
Chlorobenzene	ND		1.0	0.50	ug/L			07/14/16 00:05	1
Dibromochloromethane	ND		1.0	0.50	ug/L			07/14/16 00:05	1
Chloroethane	ND		1.0	0.76	ug/L			07/14/16 00:05	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/14/16 00:05	1
Chloroform	ND		1.0	0.60	ug/L			07/14/16 00:05	1
1-Chlorohexane	ND		1.0	0.70	ug/L			07/14/16 00:05	1
Chloromethane	ND		1.0	0.83	ug/L			07/14/16 00:05	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/14/16 00:05	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/14/16 00:05	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/14/16 00:05	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/14/16 00:05	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/14/16 00:05	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/14/16 00:05	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/14/16 00:05	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			07/14/16 00:05	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/14/16 00:05	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/16 00:05	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/14/16 00:05	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/16 00:05	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			07/14/16 00:05	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/14/16 00:05	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/14/16 00:05	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/14/16 00:05	1
2-Hexanone	ND		25	3.1	ug/L			07/14/16 00:05	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/14/16 00:05	1
Methylene bromide	ND		5.0	0.59	ug/L			07/14/16 00:05	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/14/16 00:05	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/14/16 00:05	1
Methyl tert-butyl ether	**0.82**	**J**	1.0	0.74	ug/L			07/14/16 00:05	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			07/14/16 00:05	1
Naphthalene	ND		1.0	1.0	ug/L			07/14/16 00:05	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/14/16 00:05	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/14/16 00:05	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/14/16 00:05	1
o-Xylene	ND		5.0	0.60	ug/L			07/14/16 00:05	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/14/16 00:05	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/14/16 00:05	1

Client Sample ID: P114R-ROX-070816
Date Collected: 07/08/16 15:10
Date Received: 07/09/16 09:13

Lab Sample ID: 400-124211-2
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			07/14/16 00:05	1
Styrene	ND		1.0	1.0	ug/L			07/14/16 00:05	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/14/16 00:05	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			07/14/16 00:05	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/14/16 00:05	1
Tetrachloroethene	ND		1.0	0.58	ug/L			07/14/16 00:05	1
Toluene	ND		1.0	0.70	ug/L			07/14/16 00:05	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/14/16 00:05	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/14/16 00:05	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			07/14/16 00:05	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/14/16 00:05	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			07/14/16 00:05	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			07/14/16 00:05	1
Trichloroethene	ND		1.0	0.50	ug/L			07/14/16 00:05	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			07/14/16 00:05	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/14/16 00:05	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/14/16 00:05	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/14/16 00:05	1
Vinyl acetate	ND		25	2.0	ug/L			07/14/16 00:05	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/14/16 00:05	1
Xylenes, Total	ND		10	1.6	ug/L			07/14/16 00:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*78 - 118*		*07/14/16 00:05*	*1*
Dibromofluoromethane	*102*		*81 - 121*		*07/14/16 00:05*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*07/14/16 00:05*	*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		07/14/16 09:24	07/15/16 20:16	1
Acenaphthylene	ND		0.20	0.020	ug/L		07/14/16 09:24	07/15/16 20:16	1
Anthracene	ND		0.20	0.020	ug/L		07/14/16 09:24	07/15/16 20:16	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/14/16 09:24	07/15/16 20:16	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		07/14/16 09:24	07/15/16 20:16	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		07/14/16 09:24	07/15/16 20:16	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		07/14/16 09:24	07/15/16 20:16	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/14/16 09:24	07/15/16 20:16	1
Chrysene	ND		0.20	0.040	ug/L		07/14/16 09:24	07/15/16 20:16	1
Dibenz(a,h)anthracene	ND	UJ	0.20	0.040	ug/L		07/14/16 09:24	07/15/16 20:16	1
Fluoranthene	ND		0.20	0.020	ug/L		07/14/16 09:24	07/15/16 20:16	1
Fluorene	ND		0.20	0.021	ug/L		07/14/16 09:24	07/15/16 20:16	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		07/14/16 09:24	07/15/16 20:16	1
Phenanthrene	ND		0.20	0.020	ug/L		07/14/16 09:24	07/15/16 20:16	1
Pyrene	ND		0.20	0.020	ug/L		07/14/16 09:24	07/15/16 20:16	1
1-Methylnaphthalene	ND		0.20	0.020	ug/L		07/14/16 09:24	07/15/16 20:16	1
2-Methylnaphthalene	ND		0.20	0.020	ug/L		07/14/16 09:24	07/15/16 20:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*16*	*X*	*33 - 138*	*07/14/16 09:24*	*07/15/16 20:16*	*1*
2-Fluorobiphenyl	*27*		*15 - 122*	*07/14/16 09:24*	*07/15/16 20:16*	*1*

Client Sample ID: P114R-ROX-070816

Date Collected: 07/08/16 15:10
Date Received: 07/09/16 09:13

Lab Sample ID: 400-124211-2

Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	35		19 - 130	07/14/16 09:24	07/15/16 20:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND	H	50	19	ug/L		07/29/16 10:55	07/30/16 12:30	5
Aniline	ND	* UJ	50	19	ug/L		07/14/16 09:24	07/30/16 13:01	5
Benzenethiol	ND	H	50	8.5	ug/L		07/29/16 10:55	07/30/16 12:30	5
Benzenethiol	ND		50	8.5	ug/L		07/14/16 09:24	07/30/16 13:01	5
Benzoic acid	ND	H	150	37	ug/L		07/29/16 10:55	07/30/16 12:30	5
Benzoic acid	ND		150	37	ug/L		07/14/16 09:24	07/30/16 13:01	5
Benzyl alcohol	ND	H	50	10	ug/L		07/29/16 10:55	07/30/16 12:30	5
Benzyl alcohol	ND		50	10	ug/L		07/14/16 09:24	07/30/16 13:01	5
Bis(2-chloroethoxy)methane	ND	H	50	3.5	ug/L		07/29/16 10:55	07/30/16 12:30	5
Bis(2-chloroethoxy)methane	ND		50	3.5	ug/L		07/14/16 09:24	07/30/16 13:01	5
Bis(2-chloroethyl)ether	ND	H	50	3.7	ug/L		07/29/16 10:55	07/30/16 12:30	5
Bis(2-chloroethyl)ether	ND		50	3.7	ug/L		07/14/16 09:24	07/30/16 13:01	5
bis (2-chloroisopropyl) ether	ND	H	50	4.1	ug/L		07/29/16 10:55	07/30/16 12:30	5
bis (2-chloroisopropyl) ether	ND		50	4.1	ug/L		07/14/16 09:24	07/30/16 13:01	5
Bis(2-ethylhexyl) phthalate	ND	H *	50	11	ug/L		07/29/16 10:55	07/30/16 12:30	5
Bis(2-ethylhexyl) phthalate	ND		50	11	ug/L		07/14/16 09:24	07/30/16 13:01	5
4-Bromophenyl phenyl ether	ND	H	50	1.6	ug/L		07/29/16 10:55	07/30/16 12:30	5
4-Bromophenyl phenyl ether	ND		50	1.6	ug/L		07/14/16 09:24	07/30/16 13:01	5
Butyl benzyl phthalate	ND	H *	50	3.5	ug/L		07/29/16 10:55	07/30/16 12:30	5
Butyl benzyl phthalate	ND		50	3.5	ug/L		07/14/16 09:24	07/30/16 13:01	5
4-Chloroaniline	ND	H	50	17	ug/L		07/29/16 10:55	07/30/16 12:30	5
4-Chloroaniline	ND	* UJ	50	17	ug/L		07/14/16 09:24	07/30/16 13:01	5
4-Chloro-3-methylphenol	ND	H	50	19	ug/L		07/29/16 10:55	07/30/16 12:30	5
4-Chloro-3-methylphenol	ND		50	19	ug/L		07/14/16 09:24	07/30/16 13:01	5
2-Chloronaphthalene	ND	H	50	2.6	ug/L		07/29/16 10:55	07/30/16 12:30	5
2-Chloronaphthalene	ND		50	2.6	ug/L		07/14/16 09:24	07/30/16 13:01	5
2-Chlorophenol	ND	H	50	11	ug/L		07/29/16 10:55	07/30/16 12:30	5
2-Chlorophenol	ND		50	11	ug/L		07/14/16 09:24	07/30/16 13:01	5
4-Chlorophenyl phenyl ether	ND	H	50	10	ug/L		07/29/16 10:55	07/30/16 12:30	5
4-Chlorophenyl phenyl ether	ND		50	10	ug/L		07/14/16 09:24	07/30/16 13:01	5
Dibenz[a,h]acridine	ND	H	50	15	ug/L		07/29/16 10:55	07/30/16 12:30	5
Dibenz[a,h]acridine	ND		50	15	ug/L		07/14/16 09:24	07/30/16 13:01	5
Dibenzofuran	ND	H	50	2.6	ug/L		07/29/16 10:55	07/30/16 12:30	5
Dibenzofuran	ND		50	2.6	ug/L		07/14/16 09:24	07/30/16 13:01	5
3,3'-Dichlorobenzidine	ND	H	50	13	ug/L		07/29/16 10:55	07/30/16 12:30	5
3,3'-Dichlorobenzidine	ND		50	13	ug/L		07/14/16 09:24	07/30/16 13:01	5
2,4-Dichlorophenol	ND	H	50	15	ug/L		07/29/16 10:55	07/30/16 12:30	5
2,4-Dichlorophenol	ND		50	15	ug/L		07/14/16 09:24	07/30/16 13:01	5
Diethyl phthalate	ND	H	50	3.5	ug/L		07/29/16 10:55	07/30/16 12:30	5
Diethyl phthalate	ND		50	3.5	ug/L		07/14/16 09:24	07/30/16 13:01	5
2,4-Dimethylphenol	ND	H	50	18	ug/L		07/29/16 10:55	07/30/16 12:30	5
2,4-Dimethylphenol	ND		50	18	ug/L		07/14/16 09:24	07/30/16 13:01	5
Dimethyl phthalate	ND	H	50	3.0	ug/L		07/29/16 10:55	07/30/16 12:30	5
Dimethyl phthalate	ND		50	3.0	ug/L		07/14/16 09:24	07/30/16 13:01	5
Di-n-butyl phthalate	ND	H	50	14	ug/L		07/29/16 10:55	07/30/16 12:30	5

Client Sample ID: P114R-ROX-070816
Date Collected: 07/08/16 15:10
Date Received: 07/09/16 09:13

Lab Sample ID: 400-124211-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-butyl phthalate	ND		50	14	ug/L		07/14/16 09:24	07/30/16 13:01	5
4,6-Dinitro-ortho-cresol	ND	H	50	10	ug/L		07/29/16 10:55	07/30/16 12:30	5
4,6-Dinitro-ortho-cresol	ND		50	10	ug/L		07/14/16 09:24	07/30/16 13:01	5
2,4-Dinitrophenol	ND	H	150	17	ug/L		07/29/16 10:55	07/30/16 12:30	5
2,4-Dinitrophenol	ND		150	17	ug/L		07/14/16 09:24	07/30/16 13:01	5
2,4-Dinitrotoluene	ND	H	50	9.5	ug/L		07/29/16 10:55	07/30/16 12:30	5
2,4-Dinitrotoluene	ND		50	9.5	ug/L		07/14/16 09:24	07/30/16 13:01	5
2,6-Dinitrotoluene	ND	H	50	9.5	ug/L		07/29/16 10:55	07/30/16 12:30	5
2,6-Dinitrotoluene	ND		50	9.5	ug/L		07/14/16 09:24	07/30/16 13:01	5
Di-n-octyl phthalate	ND	H *	50	2.2	ug/L		07/29/16 10:55	07/30/16 12:30	5
Di-n-octyl phthalate	ND		50	2.2	ug/L		07/14/16 09:24	07/30/16 13:01	5
1,4-Dioxane	ND	H	50	5.0	ug/L		07/29/16 10:55	07/30/16 12:30	5
1,4-Dioxane	ND		50	5.0	ug/L		07/14/16 09:24	07/30/16 13:01	5
1,2-Diphenylhydrazine (as Azobenzene)	ND	H	50	5.0	ug/L		07/29/16 10:55	07/30/16 12:30	5
1,2-Diphenylhydrazine (as Azobenzene)	ND		50	5.0	ug/L		07/14/16 09:24	07/30/16 13:01	5
Hexachlorobenzene	ND	H	50	1.3	ug/L		07/29/16 10:55	08/01/16 11:25	5
Hexachlorobenzene	ND		50	1.3	ug/L		07/14/16 09:24	08/01/16 11:55	5
Hexachlorocyclopentadiene	ND	H	100	13	ug/L		07/29/16 10:55	07/30/16 12:30	5
Hexachlorocyclopentadiene	ND		100	13	ug/L		07/14/16 09:24	07/30/16 13:01	5
Hexachloroethane	ND	H	50	21	ug/L		07/29/16 10:55	07/30/16 12:30	5
Hexachloroethane	ND		50	21	ug/L		07/14/16 09:24	07/30/16 13:01	5
Indene	ND	H	50	5.0	ug/L		07/29/16 10:55	07/30/16 12:30	5
Indene	ND		50	5.0	ug/L		07/14/16 09:24	07/30/16 13:01	5
Isophorone	ND	H	50	2.9	ug/L		07/29/16 10:55	07/30/16 12:30	5
Isophorone	ND		50	2.9	ug/L		07/14/16 09:24	07/30/16 13:01	5
2-Methylphenol	ND	H	50	9.0	ug/L		07/29/16 10:55	07/30/16 12:30	5
2-Methylphenol	ND		50	9.0	ug/L		07/14/16 09:24	07/30/16 13:01	5
3 & 4 Methylphenol	ND	H	100	5.2	ug/L		07/29/16 10:55	07/30/16 12:30	5
3 & 4 Methylphenol	ND		100	5.2	ug/L		07/14/16 09:24	07/30/16 13:01	5
2-Nitroaniline	ND	H *	50	11	ug/L		07/29/16 10:55	07/30/16 12:30	5
2-Nitroaniline	ND		50	11	ug/L		07/14/16 09:24	07/30/16 13:01	5
3-Nitroaniline	ND	H	50	9.0	ug/L		07/29/16 10:55	07/30/16 12:30	5
3-Nitroaniline	ND	* UJ	50	9.0	ug/L		07/14/16 09:24	07/30/16 13:01	5
4-Nitroaniline	ND	H	50	12	ug/L		07/29/16 10:55	07/30/16 12:30	5
4-Nitroaniline	ND		50	12	ug/L		07/14/16 09:24	07/30/16 13:01	5
Nitrobenzene	ND	H	50	2.8	ug/L		07/29/16 10:55	07/30/16 12:30	5
Nitrobenzene	ND		50	2.8	ug/L		07/14/16 09:24	07/30/16 13:01	5
2-Nitrophenol	ND	H	50	3.3	ug/L		07/29/16 10:55	07/30/16 12:30	5
2-Nitrophenol	ND		50	3.3	ug/L		07/14/16 09:24	07/30/16 13:01	5
4-Nitrophenol	ND	H	50	11	ug/L		07/29/16 10:55	07/30/16 12:30	5
4-Nitrophenol	ND		50	11	ug/L		07/14/16 09:24	07/30/16 13:01	5
N-Nitrosodimethylamine	ND	H *	50	18	ug/L		07/29/16 10:55	07/30/16 12:30	5
N-Nitrosodimethylamine	ND		50	18	ug/L		07/14/16 09:24	07/30/16 13:01	5
N-Nitrosodi-n-propylamine	ND	H	50	17	ug/L		07/29/16 10:55	07/30/16 12:30	5
N-Nitrosodi-n-propylamine	ND		50	17	ug/L		07/14/16 09:24	07/30/16 13:01	5
N-Nitrosodiphenylamine	ND	H	50	2.4	ug/L		07/29/16 10:55	07/30/16 12:30	5
N-Nitrosodiphenylamine	ND		50	2.4	ug/L		07/14/16 09:24	07/30/16 13:01	5
Pentachlorophenol	ND	H	100	9.1	ug/L		07/29/16 10:55	07/30/16 12:30	5

Client Sample ID: P114R-ROX-070816

Date Collected: 07/08/16 15:10
Date Received: 07/09/16 09:13

Lab Sample ID: 400-124211-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		100	9.1	ug/L		07/14/16 09:24	07/30/16 13:01	5
Phenol	ND	H	50	13	ug/L		07/29/16 10:55	07/30/16 12:30	5
Phenol	ND		50	13	ug/L		07/14/16 09:24	07/30/16 13:01	5
Pyridine	ND	H	50	16	ug/L		07/29/16 10:55	07/30/16 12:30	5
Pyridine	ND	* UJ	50	16	ug/L		07/14/16 09:24	07/30/16 13:01	5
Quinoline	ND	H	50	30	ug/L		07/29/16 10:55	07/30/16 12:30	5
Quinoline	ND		50	30	ug/L		07/14/16 09:24	07/30/16 13:01	5
2,4,5-Trichlorophenol	ND	H	50	19	ug/L		07/29/16 10:55	07/30/16 12:30	5
2,4,5-Trichlorophenol	ND		50	19	ug/L		07/14/16 09:24	07/30/16 13:01	5
2,4,6-Trichlorophenol	ND	H	50	18	ug/L		07/29/16 10:55	07/30/16 12:30	5
2,4,6-Trichlorophenol	ND		50	18	ug/L		07/14/16 09:24	07/30/16 13:01	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*62*		*34 - 120*	*07/29/16 10:55*	*07/30/16 12:30*	*5*
2-Fluorobiphenyl	*47*		*34 - 120*	*07/14/16 09:24*	*07/30/16 13:01*	*5*
2-Fluorophenol	*48*		*10 - 120*	*07/29/16 10:55*	*07/30/16 12:30*	*5*
2-Fluorophenol	*55*		*10 - 120*	*07/14/16 09:24*	*07/30/16 13:01*	*5*
Nitrobenzene-d5	*59*		*27 - 120*	*07/29/16 10:55*	*07/30/16 12:30*	*5*
Nitrobenzene-d5	*69*		*27 - 120*	*07/14/16 09:24*	*07/30/16 13:01*	*5*
Phenol-d5	*55*		*10 - 120*	*07/29/16 10:55*	*07/30/16 12:30*	*5*
Phenol-d5	*54*		*10 - 120*	*07/14/16 09:24*	*07/30/16 13:01*	*5*
Terphenyl-d14	*50*	*X*	*53 - 125*	*07/29/16 10:55*	*07/30/16 12:30*	*5*
Terphenyl-d14	*59*		*53 - 125*	*07/14/16 09:24*	*07/30/16 13:01*	*5*
2,4,6-Tribromophenol	*41*		*15 - 135*	*07/29/16 10:55*	*07/30/16 12:30*	*5*
2,4,6-Tribromophenol	*75*		*15 - 135*	*07/14/16 09:24*	*07/30/16 13:01*	*5*

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		07/16/16 11:05	07/17/16 04:56	1
1,2-Dibromoethane	ND		0.021	0.0052	ug/L		07/16/16 11:05	07/17/16 04:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*107*		*51 - 149*	*07/16/16 11:05*	*07/17/16 04:56*	*1*

Client Sample ID: TB-ROX-O70816W-8260
Date Collected: 07/08/16 00:00
Date Received: 07/09/16 09:13

Lab Sample ID: 400-124211-3
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			07/14/16 00:32	1
Acrolein	ND		20	10	ug/L			07/14/16 00:32	1
Acrylonitrile	ND		10	2.8	ug/L			07/14/16 00:32	1
Benzene	ND		1.0	0.38	ug/L			07/14/16 00:32	1
Bromobenzene	ND		1.0	0.54	ug/L			07/14/16 00:32	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/14/16 00:32	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/14/16 00:32	1
Bromoform	ND		5.0	0.71	ug/L			07/14/16 00:32	1
Bromomethane	ND		1.0	0.98	ug/L			07/14/16 00:32	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/14/16 00:32	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/14/16 00:32	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			07/14/16 00:32	1
Chlorobenzene	ND		1.0	0.50	ug/L			07/14/16 00:32	1
Dibromochloromethane	ND		1.0	0.50	ug/L			07/14/16 00:32	1
Chloroethane	ND		1.0	0.76	ug/L			07/14/16 00:32	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/14/16 00:32	1
Chloroform	ND		1.0	0.60	ug/L			07/14/16 00:32	1
1-Chlorohexane	ND		1.0	0.70	ug/L			07/14/16 00:32	1
Chloromethane	ND		1.0	0.83	ug/L			07/14/16 00:32	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/14/16 00:32	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/14/16 00:32	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/14/16 00:32	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/14/16 00:32	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/14/16 00:32	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/14/16 00:32	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/14/16 00:32	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			07/14/16 00:32	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/14/16 00:32	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/16 00:32	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/14/16 00:32	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/16 00:32	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			07/14/16 00:32	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/14/16 00:32	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/14/16 00:32	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/14/16 00:32	1
2-Hexanone	ND		25	3.1	ug/L			07/14/16 00:32	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/14/16 00:32	1
Methylene bromide	ND		5.0	0.59	ug/L			07/14/16 00:32	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/14/16 00:32	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/14/16 00:32	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			07/14/16 00:32	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			07/14/16 00:32	1
Naphthalene	ND		1.0	1.0	ug/L			07/14/16 00:32	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/14/16 00:32	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/14/16 00:32	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/14/16 00:32	1
o-Xylene	ND		5.0	0.60	ug/L			07/14/16 00:32	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/14/16 00:32	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/14/16 00:32	1

Client Sample ID: TB-ROX-O70816W-8260

Date Collected: 07/08/16 00:00
Date Received: 07/09/16 09:13

Lab Sample ID: 400-124211-3

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			07/14/16 00:32	1
Styrene	ND		1.0	1.0	ug/L			07/14/16 00:32	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/14/16 00:32	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			07/14/16 00:32	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/14/16 00:32	1
Tetrachloroethene	ND		1.0	0.58	ug/L			07/14/16 00:32	1
Toluene	ND		1.0	0.70	ug/L			07/14/16 00:32	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/14/16 00:32	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/14/16 00:32	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			07/14/16 00:32	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/14/16 00:32	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			07/14/16 00:32	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			07/14/16 00:32	1
Trichloroethene	ND		1.0	0.50	ug/L			07/14/16 00:32	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			07/14/16 00:32	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/14/16 00:32	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/14/16 00:32	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/14/16 00:32	1
Vinyl acetate	ND		25	2.0	ug/L			07/14/16 00:32	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/14/16 00:32	1
Xylenes, Total	ND		10	1.6	ug/L			07/14/16 00:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*78 - 118*		*07/14/16 00:32*	*1*
Dibromofluoromethane	*102*		*81 - 121*		*07/14/16 00:32*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*07/14/16 00:32*	*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.
F1	MS and/or MSD Recovery is outside acceptance limits.

GC/MS Semi VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits
H	Sample was prepped or analyzed beyond the specified holding time
*	LCS or LCSD is outside acceptance limits.
*	RPD of the LCS and LCSD exceeds the control limits
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.
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 - 3Q16

TestAmerica Job ID: 400-124211-1
SDG: 60477387 - 1.03.003/1.03.0033

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)
400-124211-2	P114R-ROX-070816	102	102	98
400-124211-3	TB-ROX-O70816W-8260	102	102	98
400-124217-A-3 MS	Matrix Spike	99	105	98
400-124217-A-3 MSD	Matrix Spike Duplicate	100	105	100
LCS 400-314166/1002	Lab Control Sample	101	107	99
MB 400-314166/4	Method Blank	100	104	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)
400-124211-2	P114R-ROX-070816	62	48	59	55	50 X	41
400-124211-2	P114R-ROX-070816	47	55	69	54	59	75
400-124217-E-3-B MS	Matrix Spike	72	63	82	75	58	47
400-124217-E-3-C MSD	Matrix Spike Duplicate	70	61	82	75	68	53
400-124217-F-3-B MS	Matrix Spike	46	44	52	45	48 X	61
400-124217-F-3-C MSD	Matrix Spike Duplicate	21 X	8 X	9 X	16	48 X	56
LCS 400-314243/2-A	Lab Control Sample	77	77	81	81	92	104
LCS 400-316146/2-A	Lab Control Sample	87	80	91	93	122	64
LCS 400-316146/4-A	Lab Control Sample	78	69	90	83	110	52
LCSD 400-314243/3-A	Lab Control Sample Dup	65	74	68	67	76	92
LCSD 400-316146/3-A	Lab Control Sample Dup	84	78	89	91	120	61
LCSD 400-316146/5-A	Lab Control Sample Dup	81	59	82	76	106	49
MB 400-314243/1-A	Method Blank	67	65	68	68	81	75
MB 400-316146/1-A	Method Blank	90	79	94	96	125	56

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)
400-124211-2	P114R-ROX-070816	16 X	27	35
400-124217-F-3-B MS	Matrix Spike	30 X	34	43
400-124217-F-3-C MSD	Matrix Spike Duplicate	43	24	14 X

Surrogate Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 3Q16

TestAmerica Job ID: 400-124211-1
SDG: 60477387 - 1.03.003/1.03.0033

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 400-314243/2-A	Lab Control Sample	60	73	71
MB 400-314243/1-A	Method Blank	47	53	54

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)
400-124211-1	TB-ROX-070816W-8011	85
400-124211-2	P114R-ROX-070816	107
400-124217-C-3-B MS	Matrix Spike	91
400-124217-C-3-C MSD	Matrix Spike Duplicate	90
LCS 400-314555/2-A	Lab Control Sample	107
MB 400-314555/1-A	Method Blank	88

Surrogate Legend

BFB = 4-Bromofluorobenzene

Method Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 3Q16

TestAmerica Job ID: 400-124211-1
SDG: 60477387 - 1.03.003/1.03.0033

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: TB-ROX-070816W-8011

Lab Sample ID: 400-124211-1
Matrix: Water

Date Collected: 07/08/16 00:00
Date Received: 07/09/16 09:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			33.3 mL	35 mL	314555	07/16/16 11:05	AM	TAL PEN
Total/NA	Analysis	8011		1			314609	07/17/16 05:55	AM	TAL PEN

Client Sample ID: P114R-ROX-070816

Lab Sample ID: 400-124211-2
Matrix: Water

Date Collected: 07/08/16 15:10
Date Received: 07/09/16 09:13

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	314166	07/14/16 00:05	S1S	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	316146	07/29/16 10:55	RMC	TAL PEN
Total/NA	Analysis	8270D		5			316485	07/30/16 12:30	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314243	07/14/16 09:24	RMC	TAL PEN
Total/NA	Analysis	8270D		5			316485	07/30/16 13:01	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	316146	07/29/16 10:55	RMC	TAL PEN
Total/NA	Analysis	8270D		5			316726	08/01/16 11:25	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314243	07/14/16 09:24	RMC	TAL PEN
Total/NA	Analysis	8270D		5			316726	08/01/16 11:55	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314243	07/14/16 09:24	RMC	TAL PEN
Total/NA	Analysis	8270D LL		1			314468	07/15/16 20:16	VC1	TAL PEN
Total/NA	Prep	8011			33.8 mL	35 mL	314555	07/16/16 11:05	AM	TAL PEN
Total/NA	Analysis	8011		1			314609	07/17/16 04:56	AM	TAL PEN

Client Sample ID: TB-ROX-070816W-8260

Lab Sample ID: 400-124211-3
Matrix: Water

Date Collected: 07/08/16 00:00
Date Received: 07/09/16 09:13

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	314166	07/14/16 00:32	S1S	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-314166/4
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	314166	07/13/16 17:14	S1S	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-314243/1-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	314243	07/14/16 09:24	RMC	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-314243/1-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	Analysis	8270D		1			316101	07/28/16 12:10	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314243	07/14/16 09:24	RMC	TAL PEN
Total/NA	Analysis	8270D LL		1			314193	07/15/16 02:53	VC1	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-314555/1-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	314555	07/16/16 11:05	AM	TAL PEN
Total/NA	Analysis	8011		1			314609	07/16/16 20:31	AM	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-316146/1-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	316146	07/28/16 11:26	RMC	TAL PEN
Total/NA	Analysis	8270D		1			316322	07/29/16 17:35	MAM	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-314166/1002
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	314166	07/13/16 16:08	S1S	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-314243/2-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	314243	07/14/16 09:24	RMC	TAL PEN
Total/NA	Analysis	8270D		1			316101	07/28/16 12:41	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314243	07/14/16 09:24	RMC	TAL PEN
Total/NA	Analysis	8270D LL		1			314193	07/15/16 03:45	VC1	TAL PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-314555/2-A
Date Collected: N/A
Matrix: Water
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	314555	07/16/16 11:05	AM	TAL PEN
Total/NA	Analysis	8011		1			314609	07/16/16 21:01	AM	TAL PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-316146/2-A
Date Collected: N/A
Matrix: Water
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	316146	07/28/16 11:26	RMC	TAL PEN
Total/NA	Analysis	8270D		1	0.4 mL	1.0 mL	316322	07/29/16 18:05	MAM	TAL PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-316146/4-A
Date Collected: N/A
Matrix: Water
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	316146	07/28/16 11:26	RMC	TAL PEN
Total/NA	Analysis	8270D		1			316322	07/29/16 19:05	MAM	TAL PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-314243/3-A
Date Collected: N/A
Matrix: Water
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	314243	07/14/16 09:24	RMC	TAL PEN
Total/NA	Analysis	8270D		1			316101	07/28/16 13:11	MAM	TAL PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-316146/3-A
Date Collected: N/A
Matrix: Water
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	316146	07/28/16 11:26	RMC	TAL PEN
Total/NA	Analysis	8270D		1			316322	07/29/16 18:35	MAM	TAL PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-316146/5-A
Date Collected: N/A
Matrix: Water
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	316146	07/28/16 11:26	RMC	TAL PEN
Total/NA	Analysis	8270D		1			316322	07/29/16 19:35	MAM	TAL PEN

Client Sample ID: Matrix Spike
Lab Sample ID: 400-124217-A-3 MS
Date Collected: 07/08/16 10:45
Matrix: Water
Date Received: 07/09/16 09:13

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	314166	07/13/16 19:59	S1S	TAL PEN

Client Sample ID: Matrix Spike Duplicate
Lab Sample ID: 400-124217-A-3 MSD
Date Collected: 07/08/16 10:45
Matrix: Water
Date Received: 07/09/16 09:13

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	314166	07/13/16 20:27	S1S	TAL PEN

Client Sample ID: Matrix Spike
Lab Sample ID: 400-124217-C-3-B MS
Date Collected: 07/08/16 10:45
Matrix: Water
Date Received: 07/09/16 09:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			33.5 mL	35 mL	314555	07/16/16 11:05	AM	TAL PEN
Total/NA	Analysis	8011		1			314609	07/17/16 07:54	AM	TAL PEN

Client Sample ID: Matrix Spike Duplicate
Lab Sample ID: 400-124217-C-3-C MSD
Date Collected: 07/08/16 10:45
Matrix: Water
Date Received: 07/09/16 09:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			34.4 mL	35 mL	314555	07/16/16 11:05	AM	TAL PEN
Total/NA	Analysis	8011		1			314609	07/17/16 08:24	AM	TAL PEN

Client Sample ID: Matrix Spike
Lab Sample ID: 400-124217-E-3-B MS
Date Collected: 07/08/16 10:45
Matrix: Water
Date Received: 07/09/16 09:13

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	316146	07/28/16 11:26	RMC	TAL PEN
Total/NA	Analysis	8270D		1			316322	07/29/16 20:36	MAM	TAL PEN

Client Sample ID: Matrix Spike Duplicate
Lab Sample ID: 400-124217-E-3-C MSD
Date Collected: 07/08/16 10:45
Matrix: Water
Date Received: 07/09/16 09:13

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	316146	07/28/16 11:26	RMC	TAL PEN
Total/NA	Analysis	8270D		1			316322	07/29/16 21:06	MAM	TAL PEN

Lab Chronicle

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 3Q16

TestAmerica Job ID: 400-124211-1
SDG: 60477387 - 1.03.003/1.03.0033

Client Sample ID: Matrix Spike

Lab Sample ID: 400-124217-F-3-B MS

Date Collected: 07/08/16 10:45
Date Received: 07/09/16 09:13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1000 mL	1 mL	314243	07/14/16 09:24	RMC	TAL PEN
Total/NA	Analysis	8270D		1			316101	07/28/16 14:11	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314243	07/14/16 09:24	RMC	TAL PEN
Total/NA	Analysis	8270D LL		1			314392	07/15/16 13:50	VC1	TAL PEN

Client Sample ID: Matrix Spike Duplicate

Lab Sample ID: 400-124217-F-3-C MSD

Date Collected: 07/08/16 10:45
Date Received: 07/09/16 09:13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1000 mL	1 mL	314243	07/14/16 09:24	RMC	TAL PEN
Total/NA	Analysis	8270D		1			316101	07/28/16 14:42	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314243	07/14/16 09:24	RMC	TAL PEN
Total/NA	Analysis	8270D LL		1			314392	07/15/16 14:13	VC1	TAL PEN

Laboratory References:

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

GC/MS VOA

Analysis Batch: 314166

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124211-2	P114R-ROX-070816	Total/NA	Water	8260B	
400-124211-3	TB-ROX-070816W-8260	Total/NA	Water	8260B	
MB 400-314166/4	Method Blank	Total/NA	Water	8260B	
LCS 400-314166/1002	Lab Control Sample	Total/NA	Water	8260B	
400-124217-A-3 MS	Matrix Spike	Total/NA	Water	8260B	
400-124217-A-3 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	

GC/MS Semi VOA

Analysis Batch: 314193

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-314243/1-A	Method Blank	Total/NA	Water	8270D LL	314243
LCS 400-314243/2-A	Lab Control Sample	Total/NA	Water	8270D LL	314243

Prep Batch: 314243

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124211-2	P114R-ROX-070816	Total/NA	Water	3520C	
MB 400-314243/1-A	Method Blank	Total/NA	Water	3520C	
LCS 400-314243/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 400-314243/3-A	Lab Control Sample Dup	Total/NA	Water	3520C	
400-124217-F-3-B MS	Matrix Spike	Total/NA	Water	3520C	
400-124217-F-3-C MSD	Matrix Spike Duplicate	Total/NA	Water	3520C	

Analysis Batch: 314392

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124217-F-3-B MS	Matrix Spike	Total/NA	Water	8270D LL	314243
400-124217-F-3-C MSD	Matrix Spike Duplicate	Total/NA	Water	8270D LL	314243

Analysis Batch: 314468

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124211-2	P114R-ROX-070816	Total/NA	Water	8270D LL	314243

Analysis Batch: 316101

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-314243/1-A	Method Blank	Total/NA	Water	8270D	314243
LCS 400-314243/2-A	Lab Control Sample	Total/NA	Water	8270D	314243
LCSD 400-314243/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	314243
400-124217-F-3-B MS	Matrix Spike	Total/NA	Water	8270D	314243
400-124217-F-3-C MSD	Matrix Spike Duplicate	Total/NA	Water	8270D	314243

Prep Batch: 316146

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124211-2	P114R-ROX-070816	Total/NA	Water	3520C	
MB 400-316146/1-A	Method Blank	Total/NA	Water	3520C	
LCS 400-316146/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCS 400-316146/4-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 400-316146/3-A	Lab Control Sample Dup	Total/NA	Water	3520C	
LCSD 400-316146/5-A	Lab Control Sample Dup	Total/NA	Water	3520C	
400-124217-E-3-B MS	Matrix Spike	Total/NA	Water	3520C	
400-124217-E-3-C MSD	Matrix Spike Duplicate	Total/NA	Water	3520C	

GC/MS Semi VOA (Continued)

Analysis Batch: 316322

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-316146/1-A	Method Blank	Total/NA	Water	8270D	316146
LCS 400-316146/2-A	Lab Control Sample	Total/NA	Water	8270D	316146
LCS 400-316146/4-A	Lab Control Sample	Total/NA	Water	8270D	316146
LCSD 400-316146/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	316146
LCSD 400-316146/5-A	Lab Control Sample Dup	Total/NA	Water	8270D	316146
400-124217-E-3-B MS	Matrix Spike	Total/NA	Water	8270D	316146
400-124217-E-3-C MSD	Matrix Spike Duplicate	Total/NA	Water	8270D	316146

Analysis Batch: 316485

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124211-2	P114R-ROX-070816	Total/NA	Water	8270D	316146
400-124211-2	P114R-ROX-070816	Total/NA	Water	8270D	314243

Analysis Batch: 316726

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124211-2	P114R-ROX-070816	Total/NA	Water	8270D	316146
400-124211-2	P114R-ROX-070816	Total/NA	Water	8270D	314243

GC Semi VOA

Prep Batch: 314555

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124211-1	TB-ROX-070816W-8011	Total/NA	Water	8011	
400-124211-2	P114R-ROX-070816	Total/NA	Water	8011	
MB 400-314555/1-A	Method Blank	Total/NA	Water	8011	
LCS 400-314555/2-A	Lab Control Sample	Total/NA	Water	8011	
400-124217-C-3-B MS	Matrix Spike	Total/NA	Water	8011	
400-124217-C-3-C MSD	Matrix Spike Duplicate	Total/NA	Water	8011	

Analysis Batch: 314609

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124211-1	TB-ROX-070816W-8011	Total/NA	Water	8011	314555
400-124211-2	P114R-ROX-070816	Total/NA	Water	8011	314555
MB 400-314555/1-A	Method Blank	Total/NA	Water	8011	314555
LCS 400-314555/2-A	Lab Control Sample	Total/NA	Water	8011	314555
400-124217-C-3-B MS	Matrix Spike	Total/NA	Water	8011	314555
400-124217-C-3-C MSD	Matrix Spike Duplicate	Total/NA	Water	8011	314555

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

Lab Sample ID: MB 400-314166/4
Matrix: Water
Analysis Batch: 314166

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			07/13/16 17:14	1
Acrolein	ND		20	10	ug/L			07/13/16 17:14	1
Acrylonitrile	ND		10	2.8	ug/L			07/13/16 17:14	1
Benzene	ND		1.0	0.38	ug/L			07/13/16 17:14	1
Bromobenzene	ND		1.0	0.54	ug/L			07/13/16 17:14	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/13/16 17:14	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/13/16 17:14	1
Bromoform	ND		5.0	0.71	ug/L			07/13/16 17:14	1
Bromomethane	ND		1.0	0.98	ug/L			07/13/16 17:14	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/13/16 17:14	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/13/16 17:14	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			07/13/16 17:14	1
Chlorobenzene	ND		1.0	0.50	ug/L			07/13/16 17:14	1
Dibromochloromethane	ND		1.0	0.50	ug/L			07/13/16 17:14	1
Chloroethane	ND		1.0	0.76	ug/L			07/13/16 17:14	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/13/16 17:14	1
Chloroform	ND		1.0	0.60	ug/L			07/13/16 17:14	1
1-Chlorohexane	ND		1.0	0.70	ug/L			07/13/16 17:14	1
Chloromethane	ND		1.0	0.83	ug/L			07/13/16 17:14	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/13/16 17:14	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/13/16 17:14	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/13/16 17:14	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/13/16 17:14	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/13/16 17:14	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/13/16 17:14	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/13/16 17:14	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			07/13/16 17:14	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/13/16 17:14	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/13/16 17:14	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/13/16 17:14	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/13/16 17:14	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			07/13/16 17:14	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/13/16 17:14	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/13/16 17:14	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/13/16 17:14	1
2-Hexanone	ND		25	3.1	ug/L			07/13/16 17:14	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/13/16 17:14	1
Methylene bromide	ND		5.0	0.59	ug/L			07/13/16 17:14	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/13/16 17:14	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/13/16 17:14	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			07/13/16 17:14	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			07/13/16 17:14	1
Naphthalene	ND		1.0	1.0	ug/L			07/13/16 17:14	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/13/16 17:14	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/13/16 17:14	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/13/16 17:14	1
o-Xylene	ND		5.0	0.60	ug/L			07/13/16 17:14	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/13/16 17:14	1

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

Lab Sample ID: MB 400-314166/4
Matrix: Water
Analysis Batch: 314166

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			07/13/16 17:14	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/13/16 17:14	1
Styrene	ND		1.0	1.0	ug/L			07/13/16 17:14	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/13/16 17:14	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			07/13/16 17:14	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/13/16 17:14	1
Tetrachloroethene	ND		1.0	0.58	ug/L			07/13/16 17:14	1
Toluene	ND		1.0	0.70	ug/L			07/13/16 17:14	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/13/16 17:14	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/13/16 17:14	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			07/13/16 17:14	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/13/16 17:14	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			07/13/16 17:14	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			07/13/16 17:14	1
Trichloroethene	ND		1.0	0.50	ug/L			07/13/16 17:14	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			07/13/16 17:14	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/13/16 17:14	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/13/16 17:14	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/13/16 17:14	1
Vinyl acetate	ND		25	2.0	ug/L			07/13/16 17:14	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/13/16 17:14	1
Xylenes, Total	ND		10	1.6	ug/L			07/13/16 17:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*78 - 118*		*07/13/16 17:14*	*1*
Dibromofluoromethane	*104*		*81 - 121*		*07/13/16 17:14*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*07/13/16 17:14*	*1*

Lab Sample ID: LCS 400-314166/1002
Matrix: Water
Analysis Batch: 314166

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	200	182		ug/L		91	43 - 160
Acrolein	500	391		ug/L		78	38 - 160
Acrylonitrile	500	472		ug/L		94	64 - 142
Benzene	50.0	48.5		ug/L		97	70 - 130
Bromobenzene	50.0	50.4		ug/L		101	70 - 132
Bromochloromethane	50.0	48.9		ug/L		98	70 - 130
Bromodichloromethane	50.0	49.9		ug/L		100	67 - 133
Bromoform	50.0	49.3		ug/L		99	57 - 140
Bromomethane	50.0	73.5		ug/L		147	10 - 160
2-Butanone (MEK)	200	190		ug/L		95	61 - 145
Carbon disulfide	50.0	48.1		ug/L		96	61 - 137
Carbon tetrachloride	50.0	49.5		ug/L		99	61 - 137
Chlorobenzene	50.0	49.0		ug/L		98	70 - 130
Dibromochloromethane	50.0	50.9		ug/L		102	67 - 135
Chloroethane	50.0	44.3		ug/L		89	55 - 141

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

Lab Sample ID: LCS 400-314166/1002
Matrix: Water
Analysis Batch: 314166

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	70.9		ug/L		142	10 - 160
Chloroform	50.0	48.7		ug/L		97	69 - 130
1-Chlorohexane	50.0	48.0		ug/L		96	69 - 130
Chloromethane	50.0	39.2		ug/L		78	58 - 137
cis-1,2-Dichloroethene	50.0	49.3		ug/L		99	68 - 130
cis-1,3-Dichloropropene	50.0	49.8		ug/L		100	69 - 132
1,2-Dichlorobenzene	50.0	49.1		ug/L		98	67 - 130
1,3-Dichlorobenzene	50.0	50.1		ug/L		100	70 - 130
1,4-Dichlorobenzene	50.0	49.8		ug/L		100	70 - 130
Dichlorodifluoromethane	50.0	47.4		ug/L		95	41 - 146
1,1-Dichloroethane	50.0	49.7		ug/L		99	70 - 130
1,2-Dichloroethane	50.0	47.4		ug/L		95	69 - 130
1,1-Dichloroethene	50.0	49.5		ug/L		99	63 - 134
1,2-Dichloropropane	50.0	48.6		ug/L		97	70 - 130
1,3-Dichloropropane	50.0	49.0		ug/L		98	70 - 130
2,2-Dichloropropane	50.0	51.5		ug/L		103	52 - 135
1,1-Dichloropropene	50.0	49.0		ug/L		98	70 - 130
Ethylbenzene	50.0	49.3		ug/L		99	70 - 130
Ethyl methacrylate	50.0	48.4		ug/L		97	68 - 130
Hexachlorobutadiene	50.0	51.5		ug/L		103	53 - 140
2-Hexanone	200	191		ug/L		96	65 - 137
Isopropylbenzene	50.0	49.7		ug/L		99	70 - 130
Methylene bromide	50.0	49.4		ug/L		99	70 - 130
Methylene Chloride	50.0	46.5		ug/L		93	66 - 135
4-Methyl-2-pentanone (MIBK)	200	189		ug/L		95	69 - 138
Methyl tert-butyl ether	50.0	48.2		ug/L		96	66 - 130
m-Xylene & p-Xylene	50.0	48.9		ug/L		98	70 - 130
Naphthalene	50.0	47.1		ug/L		94	47 - 149
n-Butylbenzene	50.0	51.8		ug/L		104	67 - 130
N-Propylbenzene	50.0	51.8		ug/L		104	70 - 130
o-Chlorotoluene	50.0	50.3		ug/L		101	70 - 130
o-Xylene	50.0	48.9		ug/L		98	70 - 130
p-Chlorotoluene	50.0	50.8		ug/L		102	70 - 130
p-Isopropyltoluene	50.0	52.2		ug/L		104	65 - 130
sec-Butylbenzene	50.0	51.7		ug/L		103	66 - 130
Styrene	50.0	49.3		ug/L		99	70 - 130
tert-Butylbenzene	50.0	51.2		ug/L		102	64 - 139
1,1,1,2-Tetrachloroethane	50.0	49.8		ug/L		100	67 - 131
1,1,2,2-Tetrachloroethane	50.0	48.1		ug/L		96	70 - 131
Tetrachloroethene	50.0	49.1		ug/L		98	65 - 130
Toluene	50.0	47.9		ug/L		96	70 - 130
trans-1,2-Dichloroethene	50.0	49.5		ug/L		99	70 - 130
trans-1,3-Dichloropropene	50.0	50.2		ug/L		100	63 - 130
1,2,3-Trichlorobenzene	50.0	49.7		ug/L		99	60 - 138
1,2,4-Trichlorobenzene	50.0	49.6		ug/L		99	60 - 140
1,1,1-Trichloroethane	50.0	48.9		ug/L		98	68 - 130
1,1,2-Trichloroethane	50.0	49.1		ug/L		98	70 - 130
Trichloroethene	50.0	49.2		ug/L		98	70 - 130

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

Lab Sample ID: LCS 400-314166/1002
Matrix: Water
Analysis Batch: 314166

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	39.8		ug/L		80	65 - 138
1,2,3-Trichloropropane	50.0	47.7		ug/L		95	70 - 130
1,2,4-Trimethylbenzene	50.0	51.4		ug/L		103	70 - 130
1,3,5-Trimethylbenzene	50.0	51.3		ug/L		103	69 - 130
Vinyl acetate	100	99.8		ug/L		100	26 - 160
Vinyl chloride	50.0	47.4		ug/L		95	59 - 136
Xylenes, Total	100	97.8		ug/L		98	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*78 - 118*
Dibromofluoromethane	*107*		*81 - 121*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: 400-124217-A-3 MS
Matrix: Water
Analysis Batch: 314166

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		200	168		ug/L		84	43 - 160
Acrolein	ND		500	350		ug/L		70	38 - 160
Acrylonitrile	ND		500	460		ug/L		92	62 - 149
Benzene	ND		50.0	43.1		ug/L		86	56 - 142
Bromobenzene	ND		50.0	41.9		ug/L		84	59 - 136
Bromochloromethane	ND		50.0	45.1		ug/L		90	64 - 140
Bromodichloromethane	ND		50.0	44.7		ug/L		89	59 - 143
Bromoform	ND		50.0	42.5		ug/L		85	50 - 140
Bromomethane	ND		50.0	54.4		ug/L		109	10 - 160
2-Butanone (MEK)	ND		200	186		ug/L		93	55 - 150
Carbon disulfide	ND		50.0	42.8		ug/L		86	48 - 152
Carbon tetrachloride	ND		50.0	44.1		ug/L		88	55 - 145
Chlorobenzene	ND		50.0	42.3		ug/L		85	64 - 130
Dibromochloromethane	ND		50.0	45.2		ug/L		90	56 - 143
Chloroethane	ND		50.0	36.1		ug/L		72	50 - 151
2-Chloroethyl vinyl ether	ND	F1	50.0	ND	F1	ug/L		0	10 - 160
Chloroform	ND		50.0	44.1		ug/L		88	60 - 141
1-Chlorohexane	ND		50.0	41.2		ug/L		82	56 - 136
Chloromethane	ND		50.0	32.7		ug/L		65	49 - 148
cis-1,2-Dichloroethene	ND		50.0	44.7		ug/L		89	59 - 143
cis-1,3-Dichloropropene	ND		50.0	44.5		ug/L		89	57 - 140
1,2-Dichlorobenzene	ND		50.0	41.1		ug/L		82	52 - 137
1,3-Dichlorobenzene	ND		50.0	41.0		ug/L		82	54 - 135
1,4-Dichlorobenzene	ND		50.0	40.8		ug/L		82	53 - 135
Dichlorodifluoromethane	ND		50.0	40.3		ug/L		81	16 - 160
1,1-Dichloroethane	ND		50.0	44.7		ug/L		89	61 - 144
1,2-Dichloroethane	ND		50.0	43.7		ug/L		87	60 - 141
1,1-Dichloroethene	ND		50.0	45.0		ug/L		90	54 - 147
1,2-Dichloropropane	ND		50.0	43.6		ug/L		87	66 - 137
1,3-Dichloropropane	ND		50.0	44.0		ug/L		88	66 - 133

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

Lab Sample ID: 400-124217-A-3 MS
Matrix: Water
Analysis Batch: 314166

Client Sample ID: Matrix Spike
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	45.3		ug/L		91	42 - 144
1,1-Dichloropropene	ND		50.0	43.3		ug/L		87	65 - 136
Ethylbenzene	ND		50.0	42.3		ug/L		85	58 - 131
Ethyl methacrylate	ND		50.0	44.4		ug/L		89	64 - 130
Hexachlorobutadiene	ND		50.0	39.7		ug/L		79	31 - 149
2-Hexanone	ND		200	176		ug/L		88	65 - 140
Isopropylbenzene	ND		50.0	42.4		ug/L		85	56 - 133
Methylene bromide	ND		50.0	45.3		ug/L		91	63 - 138
Methylene Chloride	ND		50.0	41.6		ug/L		83	60 - 146
4-Methyl-2-pentanone (MIBK)	ND		200	182		ug/L		91	63 - 146
Methyl tert-butyl ether	ND		50.0	45.3		ug/L		91	59 - 137
m-Xylene & p-Xylene	ND		50.0	41.9		ug/L		84	57 - 130
Naphthalene	ND		50.0	41.5		ug/L		83	25 - 160
n-Butylbenzene	ND		50.0	40.2		ug/L		80	41 - 142
N-Propylbenzene	ND		50.0	42.0		ug/L		84	51 - 138
o-Chlorotoluene	ND		50.0	41.2		ug/L		82	53 - 134
o-Xylene	ND		50.0	42.3		ug/L		85	61 - 130
p-Chlorotoluene	ND		50.0	41.4		ug/L		83	54 - 133
p-Isopropyltoluene	ND		50.0	42.3		ug/L		85	48 - 139
sec-Butylbenzene	ND		50.0	42.0		ug/L		84	50 - 138
Styrene	ND		50.0	42.2		ug/L		84	58 - 131
tert-Butylbenzene	ND		50.0	42.4		ug/L		85	54 - 146
1,1,1,2-Tetrachloroethane	ND		50.0	44.3		ug/L		89	59 - 137
1,1,2,2-Tetrachloroethane	ND		50.0	42.5		ug/L		85	66 - 135
Tetrachloroethene	ND		50.0	41.5		ug/L		83	52 - 133
Toluene	ND		50.0	41.6		ug/L		83	65 - 130
trans-1,2-Dichloroethene	ND		50.0	44.2		ug/L		88	61 - 143
trans-1,3-Dichloropropene	ND		50.0	44.5		ug/L		89	53 - 133
1,2,3-Trichlorobenzene	ND		50.0	40.4		ug/L		81	43 - 145
1,2,4-Trichlorobenzene	ND		50.0	39.3		ug/L		79	39 - 148
1,1,1-Trichloroethane	ND		50.0	43.6		ug/L		87	57 - 142
1,1,2-Trichloroethane	ND		50.0	44.4		ug/L		89	66 - 131
Trichloroethene	ND		50.0	43.6		ug/L		87	64 - 136
Trichlorofluoromethane	ND		50.0	33.7		ug/L		67	54 - 156
1,2,3-Trichloropropane	ND		50.0	42.7		ug/L		85	65 - 133
1,2,4-Trimethylbenzene	ND		50.0	41.9		ug/L		84	50 - 139
1,3,5-Trimethylbenzene	ND		50.0	42.4		ug/L		85	52 - 135
Vinyl acetate	ND		100	88.1		ug/L		88	26 - 160
Vinyl chloride	ND		50.0	40.1		ug/L		80	46 - 152
Xylenes, Total	ND		100	84.2		ug/L		84	59 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*99*		*78 - 118*
Dibromofluoromethane	*105*		*81 - 121*
Toluene-d8 (Surr)	*98*		*80 - 120*

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

Lab Sample ID: 400-124217-A-3 MSD
Matrix: Water
Analysis Batch: 314166

Client Sample ID: Matrix Spike Duplicate
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	199		ug/L		99	43 - 160	17	30
Acrolein	ND		500	397		ug/L		79	38 - 160	13	31
Acrylonitrile	ND		500	557		ug/L		111	62 - 149	19	30
Benzene	ND		50.0	52.9		ug/L		106	56 - 142	21	30
Bromobenzene	ND		50.0	51.7		ug/L		103	59 - 136	21	30
Bromochloromethane	ND		50.0	55.4		ug/L		111	64 - 140	20	30
Bromodichloromethane	ND		50.0	54.8		ug/L		110	59 - 143	20	30
Bromoform	ND		50.0	52.6		ug/L		105	50 - 140	21	30
Bromomethane	ND		50.0	69.1		ug/L		138	10 - 160	24	50
2-Butanone (MEK)	ND		200	220		ug/L		110	55 - 150	17	30
Carbon disulfide	ND		50.0	52.5		ug/L		105	48 - 152	20	30
Carbon tetrachloride	ND		50.0	54.5		ug/L		109	55 - 145	21	30
Chlorobenzene	ND		50.0	51.7		ug/L		103	64 - 130	20	30
Dibromochloromethane	ND		50.0	55.0		ug/L		110	56 - 143	20	30
Chloroethane	ND		50.0	44.9		ug/L		90	50 - 151	22	30
2-Chloroethyl vinyl ether	ND	F1	50.0	ND	F1	ug/L		0	10 - 160	NC	50
Chloroform	ND		50.0	54.6		ug/L		109	60 - 141	21	30
1-Chlorohexane	ND		50.0	50.4		ug/L		101	56 - 136	20	30
Chloromethane	ND		50.0	38.8		ug/L		78	49 - 148	17	31
cis-1,2-Dichloroethene	ND		50.0	54.7		ug/L		109	59 - 143	20	30
cis-1,3-Dichloropropene	ND		50.0	54.0		ug/L		108	57 - 140	19	30
1,2-Dichlorobenzene	ND		50.0	50.4		ug/L		101	52 - 137	20	30
1,3-Dichlorobenzene	ND		50.0	50.3		ug/L		101	54 - 135	20	30
1,4-Dichlorobenzene	ND		50.0	50.4		ug/L		101	53 - 135	21	30
Dichlorodifluoromethane	ND		50.0	47.5		ug/L		95	16 - 160	17	31
1,1-Dichloroethane	ND		50.0	55.0		ug/L		110	61 - 144	21	30
1,2-Dichloroethane	ND		50.0	52.9		ug/L		106	60 - 141	19	30
1,1-Dichloroethene	ND		50.0	55.8		ug/L		112	54 - 147	21	30
1,2-Dichloropropane	ND		50.0	53.4		ug/L		107	66 - 137	20	30
1,3-Dichloropropane	ND		50.0	54.1		ug/L		108	66 - 133	21	30
2,2-Dichloropropane	ND		50.0	56.4		ug/L		113	42 - 144	22	31
1,1-Dichloropropene	ND		50.0	53.5		ug/L		107	65 - 136	21	30
Ethylbenzene	ND		50.0	51.8		ug/L		104	58 - 131	20	30
Ethyl methacrylate	ND		50.0	54.1		ug/L		108	64 - 130	20	30
Hexachlorobutadiene	ND		50.0	48.8		ug/L		98	31 - 149	21	36
2-Hexanone	ND		200	215		ug/L		107	65 - 140	20	30
Isopropylbenzene	ND		50.0	51.4		ug/L		103	56 - 133	19	30
Methylene bromide	ND		50.0	54.8		ug/L		110	63 - 138	19	30
Methylene Chloride	ND		50.0	50.9		ug/L		102	60 - 146	20	32
4-Methyl-2-pentanone (MIBK)	ND		200	219		ug/L		109	63 - 146	19	30
Methyl tert-butyl ether	ND		50.0	54.9		ug/L		110	59 - 137	19	30
m-Xylene & p-Xylene	ND		50.0	51.1		ug/L		102	57 - 130	20	30
Naphthalene	ND		50.0	51.0		ug/L		102	25 - 160	21	30
n-Butylbenzene	ND		50.0	49.0		ug/L		98	41 - 142	20	31
N-Propylbenzene	ND		50.0	51.7		ug/L		103	51 - 138	21	30
o-Chlorotoluene	ND		50.0	50.5		ug/L		101	53 - 134	20	30
o-Xylene	ND		50.0	51.5		ug/L		103	61 - 130	20	30
p-Chlorotoluene	ND		50.0	51.0		ug/L		102	54 - 133	21	30

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

Lab Sample ID: 400-124217-A-3 MSD
Matrix: Water
Analysis Batch: 314166

Client Sample ID: Matrix Spike Duplicate
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	51.4		ug/L		103	48 - 139	20	30
sec-Butylbenzene	ND		50.0	51.3		ug/L		103	50 - 138	20	30
Styrene	ND		50.0	51.5		ug/L		103	58 - 131	20	30
tert-Butylbenzene	ND		50.0	52.1		ug/L		104	54 - 146	21	30
1,1,1,2-Tetrachloroethane	ND		50.0	53.9		ug/L		108	59 - 137	20	30
1,1,2,2-Tetrachloroethane	ND		50.0	52.6		ug/L		105	66 - 135	21	30
Tetrachloroethene	ND		50.0	50.9		ug/L		102	52 - 133	20	30
Toluene	ND		50.0	51.2		ug/L		102	65 - 130	21	30
trans-1,2-Dichloroethene	ND		50.0	54.2		ug/L		108	61 - 143	20	30
trans-1,3-Dichloropropene	ND		50.0	54.5		ug/L		109	53 - 133	20	30
1,2,3-Trichlorobenzene	ND		50.0	50.2		ug/L		100	43 - 145	22	30
1,2,4-Trichlorobenzene	ND		50.0	48.6		ug/L		97	39 - 148	21	30
1,1,1-Trichloroethane	ND		50.0	54.4		ug/L		109	57 - 142	22	30
1,1,2-Trichloroethane	ND		50.0	54.1		ug/L		108	66 - 131	20	30
Trichloroethene	ND		50.0	53.4		ug/L		107	64 - 136	20	30
Trichlorofluoromethane	ND		50.0	39.9		ug/L		80	54 - 156	17	30
1,2,3-Trichloropropane	ND		50.0	52.7		ug/L		105	65 - 133	21	30
1,2,4-Trimethylbenzene	ND		50.0	51.8		ug/L		104	50 - 139	21	30
1,3,5-Trimethylbenzene	ND		50.0	51.5		ug/L		103	52 - 135	19	30
Vinyl acetate	ND		100	102		ug/L		102	26 - 160	14	33
Vinyl chloride	ND		50.0	46.9		ug/L		94	46 - 152	16	30
Xylenes, Total	ND		100	103		ug/L		103	59 - 130	20	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*78 - 118*
Dibromofluoromethane	*105*		*81 - 121*
Toluene-d8 (Surr)	*100*		*80 - 120*

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

Lab Sample ID: MB 400-314243/1-A
Matrix: Water
Analysis Batch: 316101

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 314243

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		07/14/16 09:24	07/28/16 12:10	1
Benzenethiol	ND		10	1.7	ug/L		07/14/16 09:24	07/28/16 12:10	1
Benzoic acid	ND		30	7.3	ug/L		07/14/16 09:24	07/28/16 12:10	1
Benzyl alcohol	ND		10	2.0	ug/L		07/14/16 09:24	07/28/16 12:10	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		07/14/16 09:24	07/28/16 12:10	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		07/14/16 09:24	07/28/16 12:10	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		07/14/16 09:24	07/28/16 12:10	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		07/14/16 09:24	07/28/16 12:10	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		07/14/16 09:24	07/28/16 12:10	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		07/14/16 09:24	07/28/16 12:10	1
4-Chloroaniline	ND		10	3.4	ug/L		07/14/16 09:24	07/28/16 12:10	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		07/14/16 09:24	07/28/16 12:10	1
2-Chloronaphthalene	ND		10	0.52	ug/L		07/14/16 09:24	07/28/16 12:10	1

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

Lab Sample ID: MB 400-314243/1-A
Matrix: Water
Analysis Batch: 316101

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 314243

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorophenol	ND		10	2.2	ug/L		07/14/16 09:24	07/28/16 12:10	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		07/14/16 09:24	07/28/16 12:10	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		07/14/16 09:24	07/28/16 12:10	1
Dibenzofuran	ND		10	0.52	ug/L		07/14/16 09:24	07/28/16 12:10	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		07/14/16 09:24	07/28/16 12:10	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		07/14/16 09:24	07/28/16 12:10	1
Diethyl phthalate	ND		10	0.70	ug/L		07/14/16 09:24	07/28/16 12:10	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		07/14/16 09:24	07/28/16 12:10	1
Dimethyl phthalate	ND		10	0.60	ug/L		07/14/16 09:24	07/28/16 12:10	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		07/14/16 09:24	07/28/16 12:10	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/14/16 09:24	07/28/16 12:10	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		07/14/16 09:24	07/28/16 12:10	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		07/14/16 09:24	07/28/16 12:10	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		07/14/16 09:24	07/28/16 12:10	1
Di-n-octyl phthalate	1.05	J	10	0.44	ug/L		07/14/16 09:24	07/28/16 12:10	1
1,4-Dioxane	ND		10	1.0	ug/L		07/14/16 09:24	07/28/16 12:10	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		07/14/16 09:24	07/28/16 12:10	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/14/16 09:24	07/28/16 12:10	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		07/14/16 09:24	07/28/16 12:10	1
Hexachloroethane	ND		10	4.2	ug/L		07/14/16 09:24	07/28/16 12:10	1
Indene	ND		10	1.0	ug/L		07/14/16 09:24	07/28/16 12:10	1
Isophorone	ND		10	0.57	ug/L		07/14/16 09:24	07/28/16 12:10	1
2-Methylphenol	ND		10	1.8	ug/L		07/14/16 09:24	07/28/16 12:10	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		07/14/16 09:24	07/28/16 12:10	1
2-Nitroaniline	ND		10	2.2	ug/L		07/14/16 09:24	07/28/16 12:10	1
3-Nitroaniline	ND		10	1.8	ug/L		07/14/16 09:24	07/28/16 12:10	1
4-Nitroaniline	ND		10	2.5	ug/L		07/14/16 09:24	07/28/16 12:10	1
Nitrobenzene	ND		10	0.55	ug/L		07/14/16 09:24	07/28/16 12:10	1
2-Nitrophenol	ND		10	0.65	ug/L		07/14/16 09:24	07/28/16 12:10	1
4-Nitrophenol	ND		10	2.1	ug/L		07/14/16 09:24	07/28/16 12:10	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		07/14/16 09:24	07/28/16 12:10	1
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		07/14/16 09:24	07/28/16 12:10	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		07/14/16 09:24	07/28/16 12:10	1
Pentachlorophenol	ND		20	1.8	ug/L		07/14/16 09:24	07/28/16 12:10	1
Phenol	ND		10	2.6	ug/L		07/14/16 09:24	07/28/16 12:10	1
Pyridine	ND		10	3.2	ug/L		07/14/16 09:24	07/28/16 12:10	1
Quinoline	ND		10	6.0	ug/L		07/14/16 09:24	07/28/16 12:10	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		07/14/16 09:24	07/28/16 12:10	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		07/14/16 09:24	07/28/16 12:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*67*		*34 - 120*	*07/14/16 09:24*	*07/28/16 12:10*	*1*
2-Fluorophenol	*65*		*10 - 120*	*07/14/16 09:24*	*07/28/16 12:10*	*1*
Nitrobenzene-d5	*68*		*27 - 120*	*07/14/16 09:24*	*07/28/16 12:10*	*1*
Phenol-d5	*68*		*10 - 120*	*07/14/16 09:24*	*07/28/16 12:10*	*1*
Terphenyl-d14	*81*		*53 - 125*	*07/14/16 09:24*	*07/28/16 12:10*	*1*
2,4,6-Tribromophenol	*75*		*15 - 135*	*07/14/16 09:24*	*07/28/16 12:10*	*1*

QC Sample Results

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 3Q16

TestAmerica Job ID: 400-124211-1
SDG: 60477387 - 1.03.003/1.03.0033

Lab Sample ID: LCS 400-314243/2-A
Matrix: Water
Analysis Batch: 316101

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 314243

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aniline	5.00	ND	*	ug/L		8	10 - 145
Benzyl alcohol	5.00	3.54	J	ug/L		71	51 - 121
Bis(2-chloroethoxy)methane	5.00	4.42	J	ug/L		88	54 - 123
Bis(2-chloroethyl)ether	5.00	3.97	J	ug/L		79	47 - 120
bis (2-chloroisopropyl) ether	5.00	4.00	J	ug/L		80	20 - 142
Bis(2-ethylhexyl) phthalate	5.00	5.86	J	ug/L		117	62 - 140
4-Bromophenyl phenyl ether	5.00	5.32	J	ug/L		106	62 - 132
Butyl benzyl phthalate	5.00	4.69	J	ug/L		94	51 - 150
4-Chloroaniline	5.00	ND		ug/L		38	32 - 128
4-Chloro-3-methylphenol	5.00	4.78	J	ug/L		96	47 - 135
2-Chloronaphthalene	5.00	4.32	J	ug/L		86	24 - 150
2-Chlorophenol	5.00	4.19	J	ug/L		84	45 - 120
4-Chlorophenyl phenyl ether	5.00	4.58	J	ug/L		92	61 - 133
Dibenzofuran	5.00	4.46	J	ug/L		89	62 - 124
2,4-Dichlorophenol	5.00	4.73	J	ug/L		95	52 - 125
Diethyl phthalate	5.00	4.47	J	ug/L		89	55 - 140
2,4-Dimethylphenol	5.00	4.41	J	ug/L		88	52 - 121
Dimethyl phthalate	5.00	4.61	J	ug/L		92	50 - 133
Di-n-butyl phthalate	5.00	4.79	J	ug/L		96	59 - 144
4,6-Dinitro-ortho-cresol	10.0	8.78	J	ug/L		88	46 - 136
2,4-Dinitrophenol	10.0	5.32	J	ug/L		53	22 - 146
2,4-Dinitrotoluene	5.00	5.02	J	ug/L		100	54 - 141
2,6-Dinitrotoluene	5.00	4.57	J	ug/L		91	61 - 130
Di-n-octyl phthalate	5.00	4.76	J	ug/L		95	55 - 140
1,4-Dioxane	5.00	3.14	J	ug/L		63	10 - 130
1,2-Diphenylhydrazine (as Azobenzene)	5.00	4.15	J	ug/L		83	55 - 139
Hexachlorobenzene	5.00	5.38	J	ug/L		108	60 - 138
Hexachlorocyclopentadiene	5.00	2.73	J	ug/L		55	1 - 139
Hexachloroethane	5.00	ND		ug/L		79	46 - 121
Isophorone	5.00	4.54	J	ug/L		91	57 - 122
2-Methylphenol	5.00	4.83	J	ug/L		97	38 - 121
3 & 4 Methylphenol	5.00	4.55	J	ug/L		91	43 - 126
2-Nitroaniline	5.00	4.61	J	ug/L		92	52 - 135
3-Nitroaniline	5.00	2.94	J	ug/L		59	51 - 128
4-Nitroaniline	5.00	3.32	J	ug/L		66	38 - 141
Nitrobenzene	5.00	4.36	J	ug/L		87	52 - 128
2-Nitrophenol	5.00	4.78	J	ug/L		96	47 - 129
4-Nitrophenol	10.0	8.33	J	ug/L		83	34 - 137
N-Nitrosodimethylamine	5.00	3.81	J	ug/L		76	21 - 134
N-Nitrosodi-n-propylamine	5.00	4.45	J	ug/L		89	41 - 143
N-Nitrosodiphenylamine	4.96	4.32	J	ug/L		87	10 - 185
Pentachlorophenol	10.0	7.74	J	ug/L		77	38 - 138
Phenol	5.00	4.38	J	ug/L		88	37 - 120
Pyridine	5.00	ND	*	ug/L		0	10 - 127
2,4,5-Trichlorophenol	5.00	4.73	J	ug/L		95	53 - 130
2,4,6-Trichlorophenol	5.00	4.50	J	ug/L		90	52 - 131

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*77*		*34 - 120*

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

Lab Sample ID: LCS 400-314243/2-A
Matrix: Water
Analysis Batch: 316101

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 314243

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorophenol	77		10 - 120
Nitrobenzene-d5	81		27 - 120
Phenol-d5	81		10 - 120
Terphenyl-d14	92		53 - 125
2,4,6-Tribromophenol	104		15 - 135

Lab Sample ID: LCSD 400-314243/3-A
Matrix: Water
Analysis Batch: 316101

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 314243

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aniline	5.00	ND	*	ug/L		3	10 - 145	79	30
Benzyl alcohol	5.00	2.71	J	ug/L		54	51 - 121	27	30
Bis(2-chloroethoxy)methane	5.00	3.51	J	ug/L		70	54 - 123	23	30
Bis(2-chloroethyl)ether	5.00	3.18	J	ug/L		64	47 - 120	22	30
bis (2-chloroisopropyl) ether	5.00	3.22	J	ug/L		64	20 - 142	22	30
Bis(2-ethylhexyl) phthalate	5.00	5.23	J	ug/L		105	62 - 140	11	30
4-Bromophenyl phenyl ether	5.00	4.39	J	ug/L		88	62 - 132	19	30
Butyl benzyl phthalate	5.00	4.02	J	ug/L		80	51 - 150	15	30
4-Chloroaniline	5.00	ND	*	ug/L		27	32 - 128	34	30
4-Chloro-3-methylphenol	5.00	ND		ug/L		75	47 - 135	25	30
2-Chloronaphthalene	5.00	3.50	J	ug/L		70	24 - 150	21	30
2-Chlorophenol	5.00	3.32	J	ug/L		66	45 - 120	23	30
4-Chlorophenyl phenyl ether	5.00	3.81	J	ug/L		76	61 - 133	18	30
Dibenzofuran	5.00	3.71	J	ug/L		74	62 - 124	18	30
2,4-Dichlorophenol	5.00	3.73	J	ug/L		75	52 - 125	24	30
Diethyl phthalate	5.00	3.82	J	ug/L		76	55 - 140	16	30
2,4-Dimethylphenol	5.00	ND		ug/L		69	52 - 121	24	30
Dimethyl phthalate	5.00	3.79	J	ug/L		76	50 - 133	19	30
Di-n-butyl phthalate	5.00	4.22	J	ug/L		84	59 - 144	13	30
4,6-Dinitro-ortho-cresol	10.0	7.91	J	ug/L		79	46 - 136	10	30
2,4-Dinitrophenol	10.0	4.30	J	ug/L		43	22 - 146	21	30
2,4-Dinitrotoluene	5.00	4.36	J	ug/L		87	54 - 141	14	30
2,6-Dinitrotoluene	5.00	3.86	J	ug/L		77	61 - 130	17	30
Di-n-octyl phthalate	5.00	3.72	J	ug/L		74	55 - 140	24	30
1,4-Dioxane	5.00	2.40	J	ug/L		48	10 - 130	27	30
1,2-Diphenylhydrazine (as Azobenzene)	5.00	3.47	J	ug/L		69	55 - 139	18	30
Hexachlorobenzene	5.00	4.50	J	ug/L		90	60 - 138	18	30
Hexachlorocyclopentadiene	5.00	ND		ug/L		48	1 - 139	13	30
Hexachloroethane	5.00	ND		ug/L		65	46 - 121	20	30
Isophorone	5.00	3.59	J	ug/L		72	57 - 122	23	30
2-Methylphenol	5.00	3.80	J	ug/L		76	38 - 121	24	30
3 & 4 Methylphenol	5.00	3.68	J	ug/L		74	43 - 126	21	30
2-Nitroaniline	5.00	3.91	J	ug/L		78	52 - 135	16	30
3-Nitroaniline	5.00	2.47	J *	ug/L		49	51 - 128	17	30
4-Nitroaniline	5.00	2.96	J	ug/L		59	38 - 141	12	30
Nitrobenzene	5.00	3.53	J	ug/L		71	52 - 128	21	30

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

Lab Sample ID: LCSD 400-314243/3-A
Matrix: Water
Analysis Batch: 316101

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 314243

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Nitrophenol	5.00	3.93	J	ug/L		79	47 - 129	20	30
4-Nitrophenol	10.0	7.45	J	ug/L		74	34 - 137	11	30
N-Nitrosodimethylamine	5.00	ND		ug/L		60	21 - 134	24	30
N-Nitrosodi-n-propylamine	5.00	3.58	J	ug/L		72	41 - 143	22	30
N-Nitrosodiphenylamine	4.96	3.63	J	ug/L		73	10 - 185	17	30
Pentachlorophenol	10.0	6.79	J	ug/L		68	38 - 138	13	30
Phenol	5.00	3.50	J	ug/L		70	37 - 120	22	30
Pyridine	5.00	ND	*	ug/L		0	10 - 127	NC	30
2,4,5-Trichlorophenol	5.00	4.05	J	ug/L		81	53 - 130	16	30
2,4,6-Trichlorophenol	5.00	3.68	J	ug/L		74	52 - 131	20	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*65*		*34 - 120*
2-Fluorophenol	*74*		*10 - 120*
Nitrobenzene-d5	*68*		*27 - 120*
Phenol-d5	*67*		*10 - 120*
Terphenyl-d14	*76*		*53 - 125*
2,4,6-Tribromophenol	*92*		*15 - 135*

Lab Sample ID: 400-124217-F-3-B MS
Matrix: Water
Analysis Batch: 316101

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 314243

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aniline	ND	F1 *	5.00	ND	F1	ug/L		0	10 - 143
Benzyl alcohol	ND	F1	5.00	2.01	J	ug/L		40	10 - 154
Bis(2-chloroethoxy)methane	ND	F2	5.00	2.56	J	ug/L		51	14 - 147
Bis(2-chloroethyl)ether	ND	F1	5.00	2.33	J	ug/L		47	28 - 130
bis (2-chloroisopropyl) ether	ND	F1	5.00	2.47	J	ug/L		49	10 - 141
Bis(2-ethylhexyl) phthalate	2.4	J F1	5.00	3.20	J F1	ug/L		16	43 - 160
4-Bromophenyl phenyl ether	ND		5.00	2.96	J	ug/L		59	26 - 159
Butyl benzyl phthalate	ND		5.00	3.37	J	ug/L		67	43 - 151
4-Chloroaniline	ND	F1 *	5.00	ND	F1	ug/L		0	10 - 152
4-Chloro-3-methylphenol	ND	F1	5.00	ND	F1	ug/L		0	17 - 156
2-Chloronaphthalene	ND	F2	5.00	2.62	J	ug/L		52	10 - 155
2-Chlorophenol	ND	F1	5.00	2.38	J	ug/L		48	19 - 130
4-Chlorophenyl phenyl ether	ND		5.00	2.66	J	ug/L		53	25 - 161
Dibenzofuran	ND	F2	5.00	2.71	J	ug/L		54	18 - 157
2,4-Dichlorophenol	ND	F1	5.00	ND	F1	ug/L		0	16 - 147
Diethyl phthalate	ND		5.00	2.77	J	ug/L		55	23 - 160
2,4-Dimethylphenol	ND	F1	5.00	ND	F1	ug/L		0	25 - 146
Dimethyl phthalate	ND		5.00	2.73	J	ug/L		55	11 - 158
Di-n-butyl phthalate	ND		5.00	3.30	J	ug/L		66	28 - 162
4,6-Dinitro-ortho-cresol	ND		10.0	7.29	J	ug/L		73	10 - 168
2,4-Dinitrophenol	ND		10.0	7.18	J	ug/L		72	10 - 166
2,4-Dinitrotoluene	ND		5.00	3.24	J	ug/L		65	26 - 158
2,6-Dinitrotoluene	ND		5.00	2.99	J	ug/L		60	19 - 157
Di-n-octyl phthalate	1.3	J F1 B	5.00	1.49	J F1	ug/L		4	42 - 150

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

Lab Sample ID: 400-124217-F-3-B MS
Matrix: Water
Analysis Batch: 316101

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 314243

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dioxane	ND	F1	5.00	1.56	J	ug/L		31	10 - 130
1,2-Diphenylhydrazine (as Azobenzene)	ND		5.00	2.87	J	ug/L		57	19 - 162
Hexachlorobenzene	ND		5.00	2.81	J	ug/L		56	45 - 145
Hexachlorocyclopentadiene	ND	F1	5.00	ND	F1	ug/L		0	10 - 151
Hexachloroethane	ND	F1	5.00	ND	F1	ug/L		0	29 - 130
Isophorone	ND	F2	5.00	2.67	J	ug/L		53	24 - 144
2-Methylphenol	ND	F1	5.00	2.83	J	ug/L		57	22 - 130
3 & 4 Methylphenol	ND	F1 F2	5.00	2.61	J	ug/L		52	31 - 130
2-Nitroaniline	ND		5.00	3.37	J	ug/L		67	10 - 162
3-Nitroaniline	ND	F1 *	5.00	ND	F1	ug/L		0	10 - 163
4-Nitroaniline	ND	F1	5.00	ND	F1	ug/L		0	10 - 162
Nitrobenzene	ND	F1	5.00	2.67	J	ug/L		53	34 - 135
2-Nitrophenol	ND	F1 F2	5.00	2.85	J	ug/L		57	27 - 134
4-Nitrophenol	ND		10.0	6.21	J	ug/L		62	10 - 175
N-Nitrosodimethylamine	ND	F1	5.00	ND	F1	ug/L		0	10 - 139
N-Nitrosodi-n-propylamine	ND	F1	5.00	ND	F1	ug/L		0	13 - 147
N-Nitrosodiphenylamine	ND		4.96	2.54	J	ug/L		51	31 - 150
Pentachlorophenol	ND		10.0	6.85	J	ug/L		68	10 - 180
Phenol	ND	F1	5.00	ND	F1	ug/L		0	23 - 130
Pyridine	ND	F1 *	5.00	ND	F1	ug/L		0	10 - 130
2,4,5-Trichlorophenol	ND	F1	5.00	ND	F1	ug/L		0	43 - 137
2,4,6-Trichlorophenol	ND	F1	5.00	ND	F1	ug/L		0	42 - 135

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*46*		*34 - 120*
2-Fluorophenol	*44*		*10 - 120*
Nitrobenzene-d5	*52*		*27 - 120*
Phenol-d5	*45*		*10 - 120*
Terphenyl-d14	*48*	*X*	*53 - 125*
2,4,6-Tribromophenol	*61*		*15 - 135*

Lab Sample ID: 400-124217-F-3-C MSD
Matrix: Water
Analysis Batch: 316101

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 314243

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aniline	ND	F1 *	5.00	ND	F1	ug/L		0	10 - 143	NC	63
Benzyl alcohol	ND	F1	5.00	ND	F1	ug/L		0	10 - 154	NC	37
Bis(2-chloroethoxy)methane	ND	F2	5.00	0.793	J F2	ug/L		16	14 - 147	105	70
Bis(2-chloroethyl)ether	ND	F1	5.00	ND	F1	ug/L		0	28 - 130	NC	42
bis (2-chloroisopropyl) ether	ND	F1	5.00	ND	F1	ug/L		0	10 - 141	NC	41
Bis(2-ethylhexyl) phthalate	2.4	J F1	5.00	ND	F1	ug/L		0	43 - 160	NC	35
4-Bromophenyl phenyl ether	ND		5.00	2.58	J	ug/L		52	26 - 159	14	30
Butyl benzyl phthalate	ND		5.00	3.43	J	ug/L		69	43 - 151	2	32
4-Chloroaniline	ND	F1 *	5.00	ND	F1	ug/L		0	10 - 152	NC	94
4-Chloro-3-methylphenol	ND	F1	5.00	ND	F1	ug/L		0	17 - 156	NC	40
2-Chloronaphthalene	ND	F2	5.00	1.26	J F2	ug/L		25	10 - 155	70	29

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

Lab Sample ID: 400-124217-F-3-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 316101 — **Prep Batch: 314243**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Chlorophenol	ND	F1	5.00	ND	F1	ug/L		0	19 - 130	NC	42
4-Chlorophenyl phenyl ether	ND		5.00	2.04	J	ug/L		41	25 - 161	26	27
Dibenzofuran	ND	F2	5.00	1.92	J F2	ug/L		38	18 - 157	34	29
2,4-Dichlorophenol	ND	F1	5.00	ND	F1	ug/L		0	16 - 147	NC	43
Diethyl phthalate	ND		5.00	2.70	J	ug/L		54	23 - 160	3	40
2,4-Dimethylphenol	ND	F1	5.00	ND	F1	ug/L		0	25 - 146	NC	47
Dimethyl phthalate	ND		5.00	2.41	J	ug/L		48	11 - 158	13	36
Di-n-butyl phthalate	ND		5.00	3.31	J	ug/L		66	28 - 162	0	32
4,6-Dinitro-ortho-cresol	ND		10.0	6.85	J	ug/L		69	10 - 168	6	42
2,4-Dinitrophenol	ND		10.0	6.51	J	ug/L		65	10 - 166	10	36
2,4-Dinitrotoluene	ND		5.00	3.06	J	ug/L		61	26 - 158	6	28
2,6-Dinitrotoluene	ND		5.00	2.59	J	ug/L		52	19 - 157	14	28
Di-n-octyl phthalate	1.3	J F1 B	5.00	1.44	J F1	ug/L		3	42 - 150	3	35
1,4-Dioxane	ND	F1	5.00	ND	F1	ug/L		0	10 - 130	NC	40
1,2-Diphenylhydrazine (as Azobenzene)	ND		5.00	2.36	J	ug/L		47	19 - 162	20	40
Hexachlorobenzene	ND		5.00	2.32	J	ug/L		46	45 - 145	19	33
Hexachlorocyclopentadiene	ND	F1	5.00	ND	F1	ug/L		0	10 - 151	NC	50
Hexachloroethane	ND	F1	5.00	ND	F1	ug/L		0	29 - 130	NC	41
Isophorone	ND	F2	5.00	1.36	J F2	ug/L		27	24 - 144	65	33
2-Methylphenol	ND	F1	5.00	ND	F1	ug/L		0	22 - 130	NC	47
3 & 4 Methylphenol	ND	F1 F2	5.00	1.31	J F1 F2	ug/L		26	31 - 130	66	47
2-Nitroaniline	ND		5.00	3.19	J	ug/L		64	10 - 162	6	33
3-Nitroaniline	ND	F1 *	5.00	ND	F1	ug/L		0	10 - 163	NC	39
4-Nitroaniline	ND	F1	5.00	ND	F1	ug/L		0	10 - 162	NC	50
Nitrobenzene	ND	F1	5.00	ND	F1	ug/L		0	34 - 135	NC	35
2-Nitrophenol	ND	F1 F2	5.00	0.982	J F1 F2	ug/L		20	27 - 134	97	43
4-Nitrophenol	ND		10.0	6.03	J	ug/L		60	10 - 175	3	82
N-Nitrosodimethylamine	ND	F1	5.00	ND	F1	ug/L		0	10 - 139	NC	62
N-Nitrosodi-n-propylamine	ND	F1	5.00	ND	F1	ug/L		0	13 - 147	NC	36
N-Nitrosodiphenylamine	ND		4.96	2.25	J	ug/L		45	31 - 150	12	34
Pentachlorophenol	ND		10.0	6.89	J	ug/L		69	10 - 180	1	42
Phenol	ND	F1	5.00	ND	F1	ug/L		0	23 - 130	NC	52
Pyridine	ND	F1 *	5.00	ND	F1	ug/L		0	10 - 130	NC	55
2,4,5-Trichlorophenol	ND	F1	5.00	ND	F1	ug/L		0	43 - 137	NC	42
2,4,6-Trichlorophenol	ND	F1	5.00	ND	F1	ug/L		0	42 - 135	NC	44

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*21*	*X*	*34 - 120*
2-Fluorophenol	*8*	*X*	*10 - 120*
Nitrobenzene-d5	*9*	*X*	*27 - 120*
Phenol-d5	*16*		*10 - 120*
Terphenyl-d14	*48*	*X*	*53 - 125*
2,4,6-Tribromophenol	*56*		*15 - 135*

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

Lab Sample ID: MB 400-316146/1-A
Matrix: Water
Analysis Batch: 316322

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 316146

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		07/28/16 11:26	07/29/16 17:35	1
Benzenethiol	ND		10	1.7	ug/L		07/28/16 11:26	07/29/16 17:35	1
Benzoic acid	ND		30	7.3	ug/L		07/28/16 11:26	07/29/16 17:35	1
Benzyl alcohol	ND		10	2.0	ug/L		07/28/16 11:26	07/29/16 17:35	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		07/28/16 11:26	07/29/16 17:35	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		07/28/16 11:26	07/29/16 17:35	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		07/28/16 11:26	07/29/16 17:35	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		07/28/16 11:26	07/29/16 17:35	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		07/28/16 11:26	07/29/16 17:35	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		07/28/16 11:26	07/29/16 17:35	1
4-Chloroaniline	ND		10	3.4	ug/L		07/28/16 11:26	07/29/16 17:35	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		07/28/16 11:26	07/29/16 17:35	1
2-Chloronaphthalene	ND		10	0.52	ug/L		07/28/16 11:26	07/29/16 17:35	1
2-Chlorophenol	ND		10	2.2	ug/L		07/28/16 11:26	07/29/16 17:35	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		07/28/16 11:26	07/29/16 17:35	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		07/28/16 11:26	07/29/16 17:35	1
Dibenzofuran	ND		10	0.52	ug/L		07/28/16 11:26	07/29/16 17:35	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		07/28/16 11:26	07/29/16 17:35	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		07/28/16 11:26	07/29/16 17:35	1
Diethyl phthalate	ND		10	0.70	ug/L		07/28/16 11:26	07/29/16 17:35	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		07/28/16 11:26	07/29/16 17:35	1
Dimethyl phthalate	ND		10	0.60	ug/L		07/28/16 11:26	07/29/16 17:35	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		07/28/16 11:26	07/29/16 17:35	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/28/16 11:26	07/29/16 17:35	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		07/28/16 11:26	07/29/16 17:35	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		07/28/16 11:26	07/29/16 17:35	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		07/28/16 11:26	07/29/16 17:35	1
Di-n-octyl phthalate	1.22	J	10	0.44	ug/L		07/28/16 11:26	07/29/16 17:35	1
1,4-Dioxane	ND		10	1.0	ug/L		07/28/16 11:26	07/29/16 17:35	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		07/28/16 11:26	07/29/16 17:35	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/28/16 11:26	07/29/16 17:35	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		07/28/16 11:26	07/29/16 17:35	1
Hexachloroethane	ND		10	4.2	ug/L		07/28/16 11:26	07/29/16 17:35	1
Indene	ND		10	1.0	ug/L		07/28/16 11:26	07/29/16 17:35	1
Isophorone	ND		10	0.57	ug/L		07/28/16 11:26	07/29/16 17:35	1
2-Methylphenol	ND		10	1.8	ug/L		07/28/16 11:26	07/29/16 17:35	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		07/28/16 11:26	07/29/16 17:35	1
2-Nitroaniline	ND		10	2.2	ug/L		07/28/16 11:26	07/29/16 17:35	1
3-Nitroaniline	ND		10	1.8	ug/L		07/28/16 11:26	07/29/16 17:35	1
4-Nitroaniline	ND		10	2.5	ug/L		07/28/16 11:26	07/29/16 17:35	1
Nitrobenzene	ND		10	0.55	ug/L		07/28/16 11:26	07/29/16 17:35	1
2-Nitrophenol	ND		10	0.65	ug/L		07/28/16 11:26	07/29/16 17:35	1
4-Nitrophenol	ND		10	2.1	ug/L		07/28/16 11:26	07/29/16 17:35	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		07/28/16 11:26	07/29/16 17:35	1
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		07/28/16 11:26	07/29/16 17:35	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		07/28/16 11:26	07/29/16 17:35	1
Pentachlorophenol	ND		20	1.8	ug/L		07/28/16 11:26	07/29/16 17:35	1

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

Lab Sample ID: MB 400-316146/1-A
Matrix: Water
Analysis Batch: 316322

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 316146

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		10	2.6	ug/L		07/28/16 11:26	07/29/16 17:35	1
Pyridine	ND		10	3.2	ug/L		07/28/16 11:26	07/29/16 17:35	1
Quinoline	ND		10	6.0	ug/L		07/28/16 11:26	07/29/16 17:35	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		07/28/16 11:26	07/29/16 17:35	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		07/28/16 11:26	07/29/16 17:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*90*		*34 - 120*	*07/28/16 11:26*	*07/29/16 17:35*	*1*
2-Fluorophenol	*79*		*10 - 120*	*07/28/16 11:26*	*07/29/16 17:35*	*1*
Nitrobenzene-d5	*94*		*27 - 120*	*07/28/16 11:26*	*07/29/16 17:35*	*1*
Phenol-d5	*96*		*10 - 120*	*07/28/16 11:26*	*07/29/16 17:35*	*1*
Terphenyl-d14	*125*		*53 - 125*	*07/28/16 11:26*	*07/29/16 17:35*	*1*
2,4,6-Tribromophenol	*56*		*15 - 135*	*07/28/16 11:26*	*07/29/16 17:35*	*1*

Lab Sample ID: LCS 400-316146/2-A
Matrix: Water
Analysis Batch: 316322

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 316146

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aniline	30.0	27.5		ug/L		92	10 - 145
Benzoic acid	121	70.9		ug/L		59	10 - 120
Benzyl alcohol	30.0	29.4		ug/L		98	51 - 121
Bis(2-chloroethoxy)methane	30.0	27.9		ug/L		93	54 - 123
Bis(2-chloroethyl)ether	30.0	29.1		ug/L		97	47 - 120
bis (2-chloroisopropyl) ether	30.0	37.1		ug/L		124	20 - 142
Bis(2-ethylhexyl) phthalate	30.0	47.1	*	ug/L		157	62 - 140
4-Bromophenyl phenyl ether	30.0	26.0		ug/L		87	62 - 132
Butyl benzyl phthalate	30.0	46.4	*	ug/L		155	51 - 150
4-Chloroaniline	30.0	23.1		ug/L		77	32 - 128
4-Chloro-3-methylphenol	30.0	33.4		ug/L		111	47 - 135
2-Chloronaphthalene	30.0	29.5		ug/L		98	24 - 150
2-Chlorophenol	30.0	27.1		ug/L		90	45 - 120
4-Chlorophenyl phenyl ether	30.0	26.1		ug/L		87	61 - 133
Dibenz[a,h]acridine	30.0	30.2		ug/L		101	60 - 131
Dibenzofuran	30.0	29.2		ug/L		97	62 - 124
3,3'-Dichlorobenzidine	40.0	38.0		ug/L		95	16 - 167
2,4-Dichlorophenol	30.0	28.3		ug/L		94	52 - 125
Diethyl phthalate	30.0	36.5		ug/L		122	55 - 140
2,4-Dimethylphenol	30.0	28.7		ug/L		96	52 - 121
Dimethyl phthalate	30.0	29.7		ug/L		99	50 - 133
Di-n-butyl phthalate	30.0	36.7		ug/L		122	59 - 144
4,6-Dinitro-ortho-cresol	60.0	58.1		ug/L		97	46 - 136
2,4-Dinitrophenol	101	102		ug/L		100	22 - 146
2,4-Dinitrotoluene	30.0	30.5		ug/L		102	54 - 141
2,6-Dinitrotoluene	30.0	28.1		ug/L		94	61 - 130
Di-n-octyl phthalate	30.0	44.6	*	ug/L		149	55 - 140
1,4-Dioxane	30.0	21.4		ug/L		71	10 - 130

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

Lab Sample ID: LCS 400-316146/2-A
Matrix: Water
Analysis Batch: 316322

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 316146

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Diphenylhydrazine (as Azobenzene)	30.0	34.0		ug/L		113	55 - 139
Hexachlorobenzene	30.0	25.1		ug/L		84	60 - 138
Hexachlorocyclopentadiene	30.0	16.3	J	ug/L		54	1 - 139
Hexachloroethane	30.0	29.6		ug/L		99	46 - 121
Indene	30.0	30.4		ug/L		101	17 - 141
Isophorone	30.0	29.0		ug/L		97	57 - 122
2-Methylphenol	30.0	31.9		ug/L		106	38 - 121
3 & 4 Methylphenol	30.0	29.1		ug/L		97	43 - 126
2-Nitroaniline	30.0	40.9	*	ug/L		136	52 - 135
3-Nitroaniline	30.0	29.2		ug/L		97	51 - 128
4-Nitroaniline	30.0	29.4		ug/L		98	38 - 141
Nitrobenzene	30.0	29.3		ug/L		98	52 - 128
2-Nitrophenol	30.0	28.9		ug/L		96	47 - 129
4-Nitrophenol	60.0	54.0		ug/L		90	34 - 137
N-Nitrosodimethylamine	30.0	42.7	*	ug/L		142	21 - 134
N-Nitrosodi-n-propylamine	30.0	30.9		ug/L		103	41 - 143
N-Nitrosodiphenylamine	30.0	30.4		ug/L		101	10 - 185
Pentachlorophenol	60.0	43.5		ug/L		72	38 - 138
Phenol	30.0	28.5		ug/L		95	37 - 120
Pyridine	30.0	24.5		ug/L		82	10 - 127
Quinoline	30.0	30.4		ug/L		101	10 - 164
2,4,5-Trichlorophenol	30.0	27.2		ug/L		91	53 - 130
2,4,6-Trichlorophenol	30.0	23.9		ug/L		80	52 - 131

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*87*		*34 - 120*
2-Fluorophenol	*80*		*10 - 120*
Nitrobenzene-d5	*91*		*27 - 120*
Phenol-d5	*93*		*10 - 120*
Terphenyl-d14	*122*		*53 - 125*
2,4,6-Tribromophenol	*64*		*15 - 135*

Lab Sample ID: LCS 400-316146/4-A
Matrix: Water
Analysis Batch: 316322

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 316146

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzenethiol	100	47.2		ug/L		47	20 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*78*		*34 - 120*
2-Fluorophenol	*69*		*10 - 120*
Nitrobenzene-d5	*90*		*27 - 120*
Phenol-d5	*83*		*10 - 120*
Terphenyl-d14	*110*		*53 - 125*
2,4,6-Tribromophenol	*52*		*15 - 135*

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

Lab Sample ID: LCSD 400-316146/3-A
Matrix: Water
Analysis Batch: 316322

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 316146

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aniline	30.0	28.8		ug/L		96	10 - 145	5	30
Benzoic acid	121	69.0		ug/L		57	10 - 120	3	30
Benzyl alcohol	30.0	30.5		ug/L		102	51 - 121	4	30
Bis(2-chloroethoxy)methane	30.0	29.1		ug/L		97	54 - 123	4	30
Bis(2-chloroethyl)ether	30.0	30.0		ug/L		100	47 - 120	3	30
bis (2-chloroisopropyl) ether	30.0	37.9		ug/L		126	20 - 142	2	30
Bis(2-ethylhexyl) phthalate	30.0	47.7	*	ug/L		159	62 - 140	1	30
4-Bromophenyl phenyl ether	30.0	27.5		ug/L		92	62 - 132	6	30
Butyl benzyl phthalate	30.0	47.9	*	ug/L		160	51 - 150	3	30
4-Chloroaniline	30.0	25.0		ug/L		83	32 - 128	8	30
4-Chloro-3-methylphenol	30.0	35.3		ug/L		118	47 - 135	5	30
2-Chloronaphthalene	30.0	30.4		ug/L		101	24 - 150	3	30
2-Chlorophenol	30.0	27.9		ug/L		93	45 - 120	3	30
4-Chlorophenyl phenyl ether	30.0	27.0		ug/L		90	61 - 133	3	30
Dibenz[a,h]acridine	30.0	32.2		ug/L		107	60 - 131	6	30
Dibenzofuran	30.0	30.8		ug/L		103	62 - 124	5	30
3,3'-Dichlorobenzidine	40.0	39.0		ug/L		98	16 - 167	3	30
2,4-Dichlorophenol	30.0	29.9		ug/L		100	52 - 125	5	30
Diethyl phthalate	30.0	38.5		ug/L		128	55 - 140	5	30
2,4-Dimethylphenol	30.0	29.1		ug/L		97	52 - 121	2	30
Dimethyl phthalate	30.0	31.2		ug/L		104	50 - 133	5	30
Di-n-butyl phthalate	30.0	37.0		ug/L		123	59 - 144	1	30
4,6-Dinitro-ortho-cresol	60.0	60.3		ug/L		100	46 - 136	4	30
2,4-Dinitrophenol	101	100		ug/L		99	22 - 146	1	30
2,4-Dinitrotoluene	30.0	31.0		ug/L		103	54 - 141	2	30
2,6-Dinitrotoluene	30.0	28.8		ug/L		96	61 - 130	2	30
Di-n-octyl phthalate	30.0	44.7	*	ug/L		149	55 - 140	0	30
1,4-Dioxane	30.0	24.8		ug/L		83	10 - 130	14	30
1,2-Diphenylhydrazine (as Azobenzene)	30.0	36.2		ug/L		121	55 - 139	6	30
Hexachlorobenzene	30.0	26.3		ug/L		88	60 - 138	5	30
Hexachlorocyclopentadiene	30.0	16.7	J	ug/L		56	1 - 139	2	30
Hexachloroethane	30.0	29.6		ug/L		99	46 - 121	0	30
Indene	30.0	29.8		ug/L		99	17 - 141	2	30
Isophorone	30.0	30.3		ug/L		101	57 - 122	5	30
2-Methylphenol	30.0	32.0		ug/L		107	38 - 121	0	30
3 & 4 Methylphenol	30.0	29.7		ug/L		99	43 - 126	2	30
2-Nitroaniline	30.0	43.4	*	ug/L		145	52 - 135	6	30
3-Nitroaniline	30.0	31.8		ug/L		106	51 - 128	8	30
4-Nitroaniline	30.0	28.4		ug/L		95	38 - 141	4	30
Nitrobenzene	30.0	30.4		ug/L		101	52 - 128	4	30
2-Nitrophenol	30.0	30.2		ug/L		101	47 - 129	5	30
4-Nitrophenol	60.0	51.4		ug/L		86	34 - 137	5	30
N-Nitrosodimethylamine	30.0	43.7	*	ug/L		146	21 - 134	2	30
N-Nitrosodi-n-propylamine	30.0	32.1		ug/L		107	41 - 143	4	30
N-Nitrosodiphenylamine	30.0	32.0		ug/L		107	10 - 185	5	30
Pentachlorophenol	60.0	44.6		ug/L		74	38 - 138	2	30
Phenol	30.0	29.8		ug/L		99	37 - 120	5	30

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

Lab Sample ID: LCSD 400-316146/3-A
Matrix: Water
Analysis Batch: 316322

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 316146

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Pyridine			30.0	25.5		ug/L		85	10 - 127	4	30
Quinoline			30.0	32.4		ug/L		108	10 - 164	6	30
2,4,5-Trichlorophenol			30.0	27.9		ug/L		93	53 - 130	3	30
2,4,6-Trichlorophenol			30.0	24.8		ug/L		83	52 - 131	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*84*		*34 - 120*
2-Fluorophenol	*78*		*10 - 120*
Nitrobenzene-d5	*89*		*27 - 120*
Phenol-d5	*91*		*10 - 120*
Terphenyl-d14	*120*		*53 - 125*
2,4,6-Tribromophenol	*61*		*15 - 135*

Lab Sample ID: LCSD 400-316146/5-A
Matrix: Water
Analysis Batch: 316322

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 316146

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzenethiol			100	65.4	*	ug/L		65	20 - 150	32	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*81*		*34 - 120*
2-Fluorophenol	*59*		*10 - 120*
Nitrobenzene-d5	*82*		*27 - 120*
Phenol-d5	*76*		*10 - 120*
Terphenyl-d14	*106*		*53 - 125*
2,4,6-Tribromophenol	*49*		*15 - 135*

Lab Sample ID: 400-124217-E-3-B MS
Matrix: Water
Analysis Batch: 316322

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 316146

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aniline	ND		30.0	24.8		ug/L		83	10 - 143
Benzoic acid	ND		121	97.7		ug/L		81	10 - 134
Benzyl alcohol	ND		30.0	26.8		ug/L		89	10 - 154
Bis(2-chloroethoxy)methane	ND		30.0	25.5		ug/L		85	14 - 147
Bis(2-chloroethyl)ether	ND		30.0	28.5		ug/L		95	28 - 130
bis (2-chloroisopropyl) ether	ND		30.0	33.4		ug/L		111	10 - 141
Bis(2-ethylhexyl) phthalate	ND	* F2	30.0	28.8		ug/L		96	43 - 160
4-Bromophenyl phenyl ether	ND		30.0	21.9		ug/L		73	26 - 159
Butyl benzyl phthalate	ND	*	30.0	35.8		ug/L		119	43 - 151
4-Chloroaniline	ND		30.0	16.0		ug/L		53	10 - 152
4-Chloro-3-methylphenol	ND		30.0	27.7		ug/L		92	17 - 156
2-Chloronaphthalene	ND		30.0	26.1		ug/L		87	10 - 155
2-Chlorophenol	ND		30.0	23.1		ug/L		77	19 - 130
4-Chlorophenyl phenyl ether	ND		30.0	21.7		ug/L		72	25 - 161
Dibenz[a,h]acridine	ND		30.0	25.3		ug/L		84	42 - 147

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

Lab Sample ID: 400-124217-E-3-B MS
Matrix: Water
Analysis Batch: 316322

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 316146

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Dibenzofuran	ND		30.0	25.3		ug/L		84	18 - 157
3,3'-Dichlorobenzidine	ND	F1	40.0	ND	F1	ug/L		0	10 - 172
2,4-Dichlorophenol	ND		30.0	23.7		ug/L		79	16 - 147
Diethyl phthalate	ND		30.0	25.9		ug/L		86	23 - 160
2,4-Dimethylphenol	ND		30.0	24.1		ug/L		80	25 - 146
Dimethyl phthalate	ND		30.0	23.4		ug/L		78	11 - 158
Di-n-butyl phthalate	ND		30.0	27.0		ug/L		90	28 - 162
4,6-Dinitro-ortho-cresol	ND		60.0	52.3		ug/L		87	10 - 168
2,4-Dinitrophenol	ND		101	95.4		ug/L		94	10 - 166
2,4-Dinitrotoluene	ND		30.0	26.2		ug/L		87	26 - 158
2,6-Dinitrotoluene	ND		30.0	24.3		ug/L		81	19 - 157
Di-n-octyl phthalate	1.5	J B *	30.0	26.8		ug/L		84	42 - 150
1,4-Dioxane	ND		30.0	20.6		ug/L		69	10 - 130
1,2-Diphenylhydrazine (as Azobenzene)	ND		30.0	30.5		ug/L		102	19 - 162
Hexachlorobenzene	ND		30.0	19.4		ug/L		65	45 - 145
Hexachlorocyclopentadiene	ND		30.0	11.3	J	ug/L		38	10 - 151
Hexachloroethane	ND		30.0	23.5		ug/L		78	29 - 130
Indene	ND		30.0	26.1		ug/L		87	22 - 130
Isophorone	ND		30.0	27.0		ug/L		90	24 - 144
2-Methylphenol	ND		30.0	26.9		ug/L		90	22 - 130
3 & 4 Methylphenol	ND		30.0	24.0		ug/L		80	31 - 130
2-Nitroaniline	ND	*	30.0	32.1		ug/L		107	10 - 162
3-Nitroaniline	ND		30.0	21.3		ug/L		71	10 - 163
4-Nitroaniline	ND		30.0	22.2		ug/L		74	10 - 162
Nitrobenzene	ND		30.0	27.0		ug/L		90	34 - 135
2-Nitrophenol	ND		30.0	24.7		ug/L		82	27 - 134
4-Nitrophenol	ND		60.0	42.8		ug/L		71	10 - 175
N-Nitrosodimethylamine	ND	*	30.0	39.5		ug/L		132	10 - 139
N-Nitrosodi-n-propylamine	ND		30.0	28.3		ug/L		94	13 - 147
N-Nitrosodiphenylamine	ND		30.0	11.9		ug/L		40	31 - 150
Pentachlorophenol	ND		60.0	41.6		ug/L		69	10 - 180
Phenol	ND		30.0	23.9		ug/L		80	23 - 130
Pyridine	ND		30.0	22.8		ug/L		76	10 - 130
Quinoline	ND		30.0	29.2		ug/L		97	10 - 180
2,4,5-Trichlorophenol	ND		30.0	22.0		ug/L		73	43 - 137
2,4,6-Trichlorophenol	ND		30.0	19.5		ug/L		65	42 - 135

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*72*		*34 - 120*
2-Fluorophenol	*63*		*10 - 120*
Nitrobenzene-d5	*82*		*27 - 120*
Phenol-d5	*75*		*10 - 120*
Terphenyl-d14	*58*		*53 - 125*
2,4,6-Tribromophenol	*47*		*15 - 135*

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

Lab Sample ID: 400-124217-E-3-C MSD
Matrix: Water
Analysis Batch: 316322

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 316146

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aniline	ND		30.0	19.4		ug/L		65	10 - 143	25	63
Benzoic acid	ND		121	101		ug/L		83	10 - 134	3	49
Benzyl alcohol	ND		30.0	25.4		ug/L		85	10 - 154	5	37
Bis(2-chloroethoxy)methane	ND		30.0	22.9		ug/L		76	14 - 147	11	70
Bis(2-chloroethyl)ether	ND		30.0	25.2		ug/L		84	28 - 130	12	42
bis (2-chloroisopropyl) ether	ND		30.0	32.8		ug/L		109	10 - 141	2	41
Bis(2-ethylhexyl) phthalate	ND	* F2	30.0	43.3	F2	ug/L		144	43 - 160	40	35
4-Bromophenyl phenyl ether	ND		30.0	21.7		ug/L		72	26 - 159	1	30
Butyl benzyl phthalate	ND	*	30.0	40.9		ug/L		136	43 - 151	13	32
4-Chloroaniline	ND		30.0	13.7		ug/L		46	10 - 152	15	94
4-Chloro-3-methylphenol	ND		30.0	26.2		ug/L		87	17 - 156	6	40
2-Chloronaphthalene	ND		30.0	23.8		ug/L		79	10 - 155	9	29
2-Chlorophenol	ND		30.0	21.4		ug/L		71	19 - 130	8	42
4-Chlorophenyl phenyl ether	ND		30.0	21.2		ug/L		71	25 - 161	2	27
Dibenz[a,h]acridine	ND		30.0	27.5		ug/L		92	42 - 147	9	40
Dibenzofuran	ND		30.0	23.9		ug/L		80	18 - 157	6	29
3,3'-Dichlorobenzidine	ND	F1	40.0	ND	F1	ug/L		0	10 - 172	NC	58
2,4-Dichlorophenol	ND		30.0	23.0		ug/L		77	16 - 147	3	43
Diethyl phthalate	ND		30.0	26.7		ug/L		89	23 - 160	3	40
2,4-Dimethylphenol	ND		30.0	21.5		ug/L		72	25 - 146	11	47
Dimethyl phthalate	ND		30.0	23.4		ug/L		78	11 - 158	0	36
Di-n-butyl phthalate	ND		30.0	29.2		ug/L		97	28 - 162	8	32
4,6-Dinitro-ortho-cresol	ND		60.0	53.2		ug/L		89	10 - 168	2	42
2,4-Dinitrophenol	ND		101	100		ug/L		99	10 - 166	5	36
2,4-Dinitrotoluene	ND		30.0	24.3		ug/L		81	26 - 158	7	28
2,6-Dinitrotoluene	ND		30.0	22.6		ug/L		75	19 - 157	7	28
Di-n-octyl phthalate	1.5	J B *	30.0	38.2		ug/L		122	42 - 150	35	35
1,4-Dioxane	ND		30.0	26.0		ug/L		87	10 - 130	23	40
1,2-Diphenylhydrazine (as Azobenzene)	ND		30.0	28.5		ug/L		95	19 - 162	7	40
Hexachlorobenzene	ND		30.0	20.5		ug/L		68	45 - 145	6	33
Hexachlorocyclopentadiene	ND		30.0	11.8	J	ug/L		39	10 - 151	5	50
Hexachloroethane	ND		30.0	18.5		ug/L		62	29 - 130	24	41
Indene	ND		30.0	24.5		ug/L		82	22 - 130	6	40
Isophorone	ND		30.0	24.2		ug/L		81	24 - 144	11	33
2-Methylphenol	ND		30.0	25.1		ug/L		84	22 - 130	7	47
3 & 4 Methylphenol	ND		30.0	23.7		ug/L		79	31 - 130	1	47
2-Nitroaniline	ND	*	30.0	28.6		ug/L		95	10 - 162	12	33
3-Nitroaniline	ND		30.0	17.2		ug/L		57	10 - 163	21	39
4-Nitroaniline	ND		30.0	20.5		ug/L		68	10 - 162	8	50
Nitrobenzene	ND		30.0	25.1		ug/L		84	34 - 135	7	35
2-Nitrophenol	ND		30.0	23.2		ug/L		77	27 - 134	7	43
4-Nitrophenol	ND		60.0	46.6		ug/L		78	10 - 175	9	82
N-Nitrosodimethylamine	ND	*	30.0	33.6		ug/L		112	10 - 139	16	62
N-Nitrosodi-n-propylamine	ND		30.0	27.0		ug/L		90	13 - 147	5	36
N-Nitrosodiphenylamine	ND		30.0	16.7		ug/L		56	31 - 150	34	34
Pentachlorophenol	ND		60.0	42.5		ug/L		71	10 - 180	2	42
Phenol	ND		30.0	22.9		ug/L		76	23 - 130	4	52

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

Lab Sample ID: 400-124217-E-3-C MSD
Matrix: Water
Analysis Batch: 316322

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 316146

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Pyridine	ND		30.0	19.9		ug/L		66	10 - 130	14	55
Quinoline	ND		30.0	27.2		ug/L		91	10 - 180	7	40
2,4,5-Trichlorophenol	ND		30.0	22.5		ug/L		75	43 - 137	2	42
2,4,6-Trichlorophenol	ND		30.0	19.6		ug/L		65	42 - 135	0	44

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*70*		*34 - 120*
2-Fluorophenol	*61*		*10 - 120*
Nitrobenzene-d5	*82*		*27 - 120*
Phenol-d5	*75*		*10 - 120*
Terphenyl-d14	*68*		*53 - 125*
2,4,6-Tribromophenol	*53*		*15 - 135*

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

Lab Sample ID: MB 400-314243/1-A
Matrix: Water
Analysis Batch: 314193

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 314243

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.020	ug/L		07/14/16 09:24	07/15/16 02:53	1
Acenaphthylene	ND		0.20	0.020	ug/L		07/14/16 09:24	07/15/16 02:53	1
Anthracene	ND		0.20	0.020	ug/L		07/14/16 09:24	07/15/16 02:53	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/14/16 09:24	07/15/16 02:53	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		07/14/16 09:24	07/15/16 02:53	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		07/14/16 09:24	07/15/16 02:53	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		07/14/16 09:24	07/15/16 02:53	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/14/16 09:24	07/15/16 02:53	1
Chrysene	ND		0.20	0.040	ug/L		07/14/16 09:24	07/15/16 02:53	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		07/14/16 09:24	07/15/16 02:53	1
Fluoranthene	ND		0.20	0.020	ug/L		07/14/16 09:24	07/15/16 02:53	1
Fluorene	ND		0.20	0.021	ug/L		07/14/16 09:24	07/15/16 02:53	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		07/14/16 09:24	07/15/16 02:53	1
Phenanthrene	ND		0.20	0.020	ug/L		07/14/16 09:24	07/15/16 02:53	1
Pyrene	ND		0.20	0.020	ug/L		07/14/16 09:24	07/15/16 02:53	1
1-Methylnaphthalene	ND		0.20	0.020	ug/L		07/14/16 09:24	07/15/16 02:53	1
2-Methylnaphthalene	ND		0.20	0.020	ug/L		07/14/16 09:24	07/15/16 02:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*47*		*33 - 138*	*07/14/16 09:24*	*07/15/16 02:53*	*1*
2-Fluorobiphenyl	*53*		*15 - 122*	*07/14/16 09:24*	*07/15/16 02:53*	*1*
Nitrobenzene-d5	*54*		*19 - 130*	*07/14/16 09:24*	*07/15/16 02:53*	*1*

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

Lab Sample ID: LCS 400-314243/2-A
Matrix: Water
Analysis Batch: 314193

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 314243

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	5.00	3.16		ug/L		63	41 - 120
Acenaphthylene	5.00	3.06		ug/L		61	44 - 120
Anthracene	5.00	2.93		ug/L		59	49 - 120
Benzo[a]anthracene	5.00	3.17		ug/L		63	61 - 135
Benzo[a]pyrene	5.00	3.71		ug/L		74	52 - 120
Benzo[b]fluoranthene	5.00	4.28		ug/L		86	53 - 134
Benzo[g,h,i]perylene	5.00	3.45		ug/L		69	47 - 133
Benzo[k]fluoranthene	5.00	3.13		ug/L		63	57 - 134
Chrysene	5.00	3.15		ug/L		63	55 - 122
Dibenz(a,h)anthracene	5.00	2.83		ug/L		57	48 - 146
Fluoranthene	5.00	4.18		ug/L		84	54 - 128
Fluorene	5.00	3.87		ug/L		77	45 - 125
Indeno[1,2,3-cd]pyrene	5.00	3.03		ug/L		61	43 - 142
Phenanthrene	5.00	2.94		ug/L		59	48 - 120
Pyrene	5.00	3.16		ug/L		63	48 - 132
1-Methylnaphthalene	5.00	3.73		ug/L		75	41 - 120
2-Methylnaphthalene	5.00	3.95		ug/L		79	32 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Terphenyl-d14	*60*		*33 - 138*
2-Fluorobiphenyl	*73*		*15 - 122*
Nitrobenzene-d5	*71*		*19 - 130*

Lab Sample ID: 400-124217-F-3-B MS
Matrix: Water
Analysis Batch: 314392

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 314243

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	ND		5.00	1.90		ug/L		38	35 - 113
Acenaphthylene	ND	F1	5.00	1.88	F1	ug/L		38	41 - 118
Anthracene	ND	F1	5.00	1.84	F1	ug/L		37	45 - 122
Benzo[a]anthracene	ND	F1	5.00	1.64	F1	ug/L		33	55 - 133
Benzo[a]pyrene	ND	F1	5.00	1.13	F1	ug/L		23	50 - 108
Benzo[b]fluoranthene	ND	F1	5.00	1.40	F1	ug/L		28	50 - 128
Benzo[g,h,i]perylene	ND	F1	5.00	0.717	F1	ug/L		14	46 - 133
Benzo[k]fluoranthene	ND	F1	5.00	1.25	F1	ug/L		25	52 - 128
Chrysene	ND	F1	5.00	1.59	F1	ug/L		32	52 - 116
Dibenz(a,h)anthracene	ND	F1	5.00	0.590	F1	ug/L		12	52 - 143
Fluoranthene	ND		5.00	2.12		ug/L		42	32 - 150
Fluorene	ND		5.00	1.98		ug/L		40	15 - 150
Indeno[1,2,3-cd]pyrene	ND	F1	5.00	0.748	F1	ug/L		15	41 - 141
Phenanthrene	ND		5.00	2.06		ug/L		41	36 - 125
Pyrene	ND	F1	5.00	1.86	F1	ug/L		37	41 - 127
1-Methylnaphthalene	0.033	J	5.00	1.79		ug/L		35	10 - 150
2-Methylnaphthalene	0.039	J	5.00	1.89		ug/L		37	10 - 150

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

Lab Sample ID: 400-124217-F-3-B MS
Matrix: Water
Analysis Batch: 314392

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 314243

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Terphenyl-d14	*30*	*X*	*33 - 138*
2-Fluorobiphenyl	*34*		*15 - 122*
Nitrobenzene-d5	*43*		*19 - 130*

Lab Sample ID: 400-124217-F-3-C MSD
Matrix: Water
Analysis Batch: 314392

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 314243

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	ND		5.00	1.85		ug/L		37	35 - 113	3	49
Acenaphthylene	ND	F1	5.00	1.85	F1	ug/L		37	41 - 118	2	48
Anthracene	ND	F1	5.00	2.38		ug/L		48	45 - 122	26	56
Benzo[a]anthracene	ND	F1	5.00	2.41	F1	ug/L		48	55 - 133	38	57
Benzo[a]pyrene	ND	F1	5.00	1.53	F1	ug/L		31	50 - 108	30	59
Benzo[b]fluoranthene	ND	F1	5.00	1.87	F1	ug/L		37	50 - 128	29	62
Benzo[g,h,i]perylene	ND	F1	5.00	1.00	F1	ug/L		20	46 - 133	33	58
Benzo[k]fluoranthene	ND	F1	5.00	1.73	F1	ug/L		35	52 - 128	32	58
Chrysene	ND	F1	5.00	2.42	F1	ug/L		48	52 - 116	42	59
Dibenz(a,h)anthracene	ND	F1	5.00	0.785	F1	ug/L		16	52 - 143	28	60
Fluoranthene	ND		5.00	3.12		ug/L		62	32 - 150	38	59
Fluorene	ND		5.00	2.32		ug/L		46	15 - 150	16	49
Indeno[1,2,3-cd]pyrene	ND	F1	5.00	1.02	F1	ug/L		20	41 - 141	31	58
Phenanthrene	ND		5.00	2.79		ug/L		56	36 - 125	30	69
Pyrene	ND	F1	5.00	2.80		ug/L		56	41 - 127	40	58
1-Methylnaphthalene	0.033	J	5.00	1.23		ug/L		24	10 - 150	37	66
2-Methylnaphthalene	0.039	J	5.00	1.10		ug/L		21	10 - 150	53	66

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Terphenyl-d14	*43*		*33 - 138*
2-Fluorobiphenyl	*24*		*15 - 122*
Nitrobenzene-d5	*14*	*X*	*19 - 130*

Method: 8011 - EDB and DBCP in Water by Microextraction

Lab Sample ID: MB 400-314555/1-A
Matrix: Water
Analysis Batch: 314609

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 314555

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		07/16/16 11:05	07/16/16 20:31	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		07/16/16 11:05	07/16/16 20:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*		*51 - 149*	*07/16/16 11:05*	*07/16/16 20:31*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction (Continued)

Lab Sample ID: LCS 400-314555/2-A
Matrix: Water
Analysis Batch: 314609

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 314555

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,2-Dibromo-3-Chloropropane			0.100	0.0966		ug/L		97	60 - 140		
1,2-Dibromoethane			0.100	0.115		ug/L		115	60 - 140		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*107*		*51 - 149*

Lab Sample ID: 400-124217-C-3-B MS
Matrix: Water
Analysis Batch: 314609

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 314555

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,2-Dibromo-3-Chloropropane	ND		0.104	0.108		ug/L		104	65 - 135		
1,2-Dibromoethane	ND		0.104	0.108		ug/L		104	65 - 135		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*91*		*51 - 149*

Lab Sample ID: 400-124217-C-3-C MSD
Matrix: Water
Analysis Batch: 314609

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 314555

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		0.102	0.113		ug/L		111	65 - 135	4	20
1,2-Dibromoethane	ND		0.102	0.102		ug/L		100	65 - 135	6	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*90*		*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 # 1304889 (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 - 1.03.003 / 1.03.0033

PlaNet Site or Project ID: 25278

GSAP Project ID: USPCI00114/R/02

☐ CHECK IF INCIDENT # APPLIES

DATE: 8 July 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 - 1.03.003 / 1.03.0033

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

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

PHONE NO.:

E-MAIL:

AECOM Other ID

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

SAMPLER NAME(S) (Print): C. Williams / 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

☐ 1A - RWQCB REPORT FORMAT

DELIVERABLES: ☑ 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

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

REQUESTED ANALYSIS

UNIT COST 60477387 - 1.03.0033: VOC 8011; PAH 8270LL

NON-UNIT COST 60477387 - 1.03.003: VOC 8260; SVOC 8270

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
	TB-ROX-070816W-8011	7/8/16	0000	water	2					2	X			
	P114R-ROX-070816	11	1510	11	4				2	6	2	1	2	1

400-124211 COC

8 July 2016

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		8 July 2016	1730
		7-9-16	913

Version: 14Dec15

Custody Seals: Test America 783313 / 783315 783314 / 783316

2.4°C IR-6

5-25.2°C *

8/3/2016

Login Sample Receipt Checklist

Client: AECOM Technical Services Inc.

Job Number: 400-124211-1
SDG Number: 60477387 - 1.03.003/1.03.0033

Login Number: 124211
List Number: 1
Creator: Franklin, Justin H

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	2.4°C IR-6, 1.2°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 (excluding tests with immediate HTs)	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 - 3Q16

TestAmerica Job ID: 400-124211-1
SDG: 60477387 - 1.03.003/1.03.0033

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	06-30-17
Arizona	State Program	9	AZ0710	01-11-17
Arkansas DEQ	State Program	6	88-0689	09-01-16
California	ELAP	9	2510	03-31-18
Florida	NELAP	4	E81010	06-30-17
Georgia	State Program	4	N/A	06-30-17
Illinois	NELAP	5	200041	10-09-16
Iowa	State Program	7	367	07-31-16 *
Kansas	NELAP	7	E-10253	10-31-16
Kentucky (UST)	State Program	4	53	06-30-17
Kentucky (WW)	State Program	4	98030	12-31-16
Louisiana	NELAP	6	30976	06-30-17
Maryland	State Program	3	233	09-30-17
Massachusetts	State Program	1	M-FL094	06-30-17
Michigan	State Program	5	9912	05-06-17
New Jersey	NELAP	2	FL006	06-30-17
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	06-30-17
Texas	NELAP	6	T104704286-15-9	09-30-16
USDA	Federal		P330-16-00172	05-24-19
Virginia	NELAP	3	460166	06-14-17
Washington	State Program	10	C915	05-15-17
West Virginia DEP	State Program	3	136	08-31-16

* Certification renewal pending - certification considered valid.

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: 400-124217-1
TestAmerica Sample Delivery Group: 60477387 - 1.03.0033
Client Project/Site: ROXANA QUARTERLY GW - 3Q16
Revision: 1

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

Attn: Mrs. Elizabeth Kunkel

Carolyn W. Hooper

Authorized for release by:
9/9/2016 11:10:42 AM

Carolyn Hooper, Project Manager I
(850)471-6226
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LINKS

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Reviewed 9/13/2016 MG

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: 400-124217-1

Laboratory: TestAmerica Pensacola

Narrative

Job Narrative
400-124217-1

Receipt
The samples were received on 7/9/2016 9:13 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 1.2°C and 2.4°C.

GC/MS VOA
Method 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-314166 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 314166 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 samples were received preserved with hydrochloric acid: TB-ROX-070816-8260-23 (400-124217-2) and MW-23-ROX-070816 (400-124217-3). The requested target analyte list include 2-chloroethyl vinyl ether, Acrolein and Acrylonitrile, which are acid-labile compounds that degrade in an acidic medium.

The initial calibration verification (ICV) analyzed in batch 400-313890 was outside method criteria for the following analyte: bromomethane. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

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-070816-8260-23 (400-124217-2) and MW-23-ROX-070816 (400-124217-3). The requested target analyte list include 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 continuing calibration verification (CCV) associated with batch 400-316101 recovered above the upper control limit for 4-Chloro-3-methylphenol, Hexachlorobenzene, 2,4-Dichlorophenol and 4-Bromophenyl phenyl ether. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following sample is impacted: MW-23-ROX-070816 (400-124217-3).

Surrogate recovery for the following samples were outside control limits: MW-23-ROX-070816-MS (400-124217-3[MS]) and MW-23-ROX-070816-MSD (400-124217-3[MSD]). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

The continuing calibration verification (CCV) associated with batch 400-316322 recovered above the upper control limit for N-Nitrosodimethylamine, Bis(2-ethylhexyl) phthalate, Butyl benzyl phthalate, Hexachlorocyclopentadiene and Di-n-octyl phthalate. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following sample is impacted: MW-23-ROX-070816 (400-124217-3).

The method blank for preparation batch 400-316146 and analytical batch 400-316322 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 %RPD of the laboratory control sample (LCS) and laboratory control standard duplicate (LCSD) for preparation batch 400-316146 recovered outside control limits for the following analytes: Benzenethiol.

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 400-316146 and analytical batch 400-316322 recovered outside control limits for the following analytes: 2-Nitroaniline, Bis(2-ethylhexyl) phthalate, Butyl benzyl phthalate, Di-n-octyl phthalate and N-Nitrosodimethylamine. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Job ID: 400-124217-1 (Continued)

Laboratory: TestAmerica Pensacola (Continued)

The following samples were re-prepared outside of preparation holding time. The original extraction was done using low level surrogates and multiple spikes were omitted . Both sets of data have been reported. MW-23-ROX-070816 (400-124217-3), MW-23-ROX-070816-MS (400-124217-3[MS]) and MW-23-ROX-070816-MSD (400-124217-3[MSD]).

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 400-316146 and analytical batch 400-316322 were outside control limits. Sample matrix interference is suspected.

Revision 1
This report has been revised to re-link the Semi-Volatile LCS 400-316146/2-A, PAH LL MB 400-314243/1-A and PAH L LCS 400-314243/2-A that were inadvertently omitted from the original report.

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

Sample Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 3Q16

TestAmerica Job ID: 400-124217-1
SDG: 60477387 - 1.03.0033

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-124217-1	TB-ROX-07816-8011-23	Water	07/08/16 00:00	07/09/16 09:13
400-124217-2	TB-ROX-070816-8260-23	Water	07/08/16 00:00	07/09/16 09:13
400-124217-3	MW-23-ROX-070816	Water	07/08/16 10:45	07/09/16 09:13

Detection Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 3Q16

TestAmerica Job ID: 400-124217-1
SDG: 60477387 - 1.03.0033

Client Sample ID: TB-ROX-O7816-8011-23 — Lab Sample ID: 400-124217-1

No Detections.

Client Sample ID: TB-ROX-070816-8260-23 — Lab Sample ID: 400-124217-2

No Detections.

Client Sample ID: MW-23-ROX-070816 — Lab Sample ID: 400-124217-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1-Methylnaphthalene	0.033	J	0.20	0.020	ug/L	1		8270D LL	Total/NA
2-Methylnaphthalene	0.039	J	0.20	0.020	ug/L	1		8270D LL	Total/NA
Benzoic acid	9.1	J	30	7.3	ug/L	1		8270D	Total/NA
Bis(2-ethylhexyl) phthalate	2.4	J F1	10	2.3	ug/L	1		8270D	Total/NA
Di-n-octyl phthalate	~~1.3~~	J B F1 U	10	0.44	ug/L	1		8270D	Total/NA
Di-n-octyl phthalate	1.5	J * H B	10	0.44	ug/L	1		8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: TB-ROX-O7816-8011-23

Date Collected: 07/08/16 00:00
Date Received: 07/09/16 09:13

Lab Sample ID: 400-124217-1

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		07/16/16 11:05	07/17/16 06:25	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		07/16/16 11:05	07/17/16 06:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*51 - 149*	*07/16/16 11:05*	*07/17/16 06:25*	*1*

Client Sample ID: TB-ROX-070816-8260-23

Date Collected: 07/08/16 00:00
Date Received: 07/09/16 09:13

Lab Sample ID: 400-124217-2

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			07/13/16 22:16	1
Acrolein	ND		20	10	ug/L			07/13/16 22:16	1
Acrylonitrile	ND		10	2.8	ug/L			07/13/16 22:16	1
Benzene	ND		1.0	0.38	ug/L			07/13/16 22:16	1
Bromobenzene	ND		1.0	0.54	ug/L			07/13/16 22:16	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/13/16 22:16	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/13/16 22:16	1
Bromoform	ND		5.0	0.71	ug/L			07/13/16 22:16	1
Bromomethane	ND		1.0	0.98	ug/L			07/13/16 22:16	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/13/16 22:16	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/13/16 22:16	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			07/13/16 22:16	1
Chlorobenzene	ND		1.0	0.50	ug/L			07/13/16 22:16	1
Dibromochloromethane	ND		1.0	0.50	ug/L			07/13/16 22:16	1
Chloroethane	ND		1.0	0.76	ug/L			07/13/16 22:16	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/13/16 22:16	1
Chloroform	ND		1.0	0.60	ug/L			07/13/16 22:16	1
1-Chlorohexane	ND		1.0	0.70	ug/L			07/13/16 22:16	1
Chloromethane	ND		1.0	0.83	ug/L			07/13/16 22:16	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/13/16 22:16	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/13/16 22:16	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/13/16 22:16	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/13/16 22:16	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/13/16 22:16	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/13/16 22:16	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/13/16 22:16	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			07/13/16 22:16	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/13/16 22:16	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/13/16 22:16	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/13/16 22:16	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/13/16 22:16	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			07/13/16 22:16	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/13/16 22:16	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/13/16 22:16	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/13/16 22:16	1
2-Hexanone	ND		25	3.1	ug/L			07/13/16 22:16	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/13/16 22:16	1
Methylene bromide	ND		5.0	0.59	ug/L			07/13/16 22:16	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/13/16 22:16	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/13/16 22:16	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			07/13/16 22:16	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			07/13/16 22:16	1
Naphthalene	ND		1.0	1.0	ug/L			07/13/16 22:16	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/13/16 22:16	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/13/16 22:16	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/13/16 22:16	1
o-Xylene	ND		5.0	0.60	ug/L			07/13/16 22:16	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/13/16 22:16	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/13/16 22:16	1

Client Sample ID: TB-ROX-070816-8260-23

Date Collected: 07/08/16 00:00
Date Received: 07/09/16 09:13

Lab Sample ID: 400-124217-2

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			07/13/16 22:16	1
Styrene	ND		1.0	1.0	ug/L			07/13/16 22:16	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/13/16 22:16	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			07/13/16 22:16	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/13/16 22:16	1
Tetrachloroethene	ND		1.0	0.58	ug/L			07/13/16 22:16	1
Toluene	ND		1.0	0.70	ug/L			07/13/16 22:16	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/13/16 22:16	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/13/16 22:16	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			07/13/16 22:16	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/13/16 22:16	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			07/13/16 22:16	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			07/13/16 22:16	1
Trichloroethene	ND		1.0	0.50	ug/L			07/13/16 22:16	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			07/13/16 22:16	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/13/16 22:16	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/13/16 22:16	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/13/16 22:16	1
Vinyl acetate	ND		25	2.0	ug/L			07/13/16 22:16	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/13/16 22:16	1
Xylenes, Total	ND		10	1.6	ug/L			07/13/16 22:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*78 - 118*		*07/13/16 22:16*	*1*
Dibromofluoromethane	*103*		*81 - 121*		*07/13/16 22:16*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*07/13/16 22:16*	*1*

Client Sample ID: MW-23-ROX-070816

Date Collected: 07/08/16 10:45
Date Received: 07/09/16 09:13

Lab Sample ID: 400-124217-3

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			07/13/16 21:49	1
Acrolein	ND		20	10	ug/L			07/13/16 21:49	1
Acrylonitrile	ND		10	2.8	ug/L			07/13/16 21:49	1
Benzene	ND		1.0	0.38	ug/L			07/13/16 21:49	1
Bromobenzene	ND		1.0	0.54	ug/L			07/13/16 21:49	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/13/16 21:49	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/13/16 21:49	1
Bromoform	ND		5.0	0.71	ug/L			07/13/16 21:49	1
Bromomethane	ND		1.0	0.98	ug/L			07/13/16 21:49	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/13/16 21:49	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/13/16 21:49	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			07/13/16 21:49	1
Chlorobenzene	ND		1.0	0.50	ug/L			07/13/16 21:49	1
Dibromochloromethane	ND		1.0	0.50	ug/L			07/13/16 21:49	1
Chloroethane	ND		1.0	0.76	ug/L			07/13/16 21:49	1
2-Chloroethyl vinyl ether	ND	F1	5.0	2.0	ug/L			07/13/16 21:49	1
Chloroform	ND		1.0	0.60	ug/L			07/13/16 21:49	1
1-Chlorohexane	ND		1.0	0.70	ug/L			07/13/16 21:49	1
Chloromethane	ND		1.0	0.83	ug/L			07/13/16 21:49	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/13/16 21:49	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/13/16 21:49	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/13/16 21:49	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/13/16 21:49	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/13/16 21:49	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/13/16 21:49	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/13/16 21:49	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			07/13/16 21:49	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/13/16 21:49	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/13/16 21:49	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/13/16 21:49	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/13/16 21:49	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			07/13/16 21:49	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/13/16 21:49	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/13/16 21:49	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/13/16 21:49	1
2-Hexanone	ND		25	3.1	ug/L			07/13/16 21:49	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/13/16 21:49	1
Methylene bromide	ND		5.0	0.59	ug/L			07/13/16 21:49	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/13/16 21:49	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/13/16 21:49	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			07/13/16 21:49	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			07/13/16 21:49	1
Naphthalene	ND		1.0	1.0	ug/L			07/13/16 21:49	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/13/16 21:49	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/13/16 21:49	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/13/16 21:49	1
o-Xylene	ND		5.0	0.60	ug/L			07/13/16 21:49	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/13/16 21:49	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/13/16 21:49	1

Client Sample ID: MW-23-ROX-070816

Lab Sample ID: 400-124217-3

Date Collected: 07/08/16 10:45
Date Received: 07/09/16 09:13

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			07/13/16 21:49	1
Styrene	ND		1.0	1.0	ug/L			07/13/16 21:49	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/13/16 21:49	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			07/13/16 21:49	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/13/16 21:49	1
Tetrachloroethene	ND		1.0	0.58	ug/L			07/13/16 21:49	1
Toluene	ND		1.0	0.70	ug/L			07/13/16 21:49	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/13/16 21:49	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/13/16 21:49	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			07/13/16 21:49	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/13/16 21:49	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			07/13/16 21:49	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			07/13/16 21:49	1
Trichloroethene	ND		1.0	0.50	ug/L			07/13/16 21:49	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			07/13/16 21:49	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/13/16 21:49	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/13/16 21:49	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/13/16 21:49	1
Vinyl acetate	ND		25	2.0	ug/L			07/13/16 21:49	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/13/16 21:49	1
Xylenes, Total	ND		10	1.6	ug/L			07/13/16 21:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*78 - 118*		*07/13/16 21:49*	*1*
Dibromofluoromethane	*103*		*81 - 121*		*07/13/16 21:49*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*07/13/16 21:49*	*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		07/14/16 09:24	07/15/16 14:36	1
Acenaphthylene	ND	F1	0.20	0.020	ug/L		07/14/16 09:24	07/15/16 14:36	1
Anthracene	ND	F1	0.20	0.020	ug/L		07/14/16 09:24	07/15/16 14:36	1
Benzo[a]anthracene	ND	F1	0.20	0.040	ug/L		07/14/16 09:24	07/15/16 14:36	1
Benzo[a]pyrene	ND	F1	0.20	0.040	ug/L		07/14/16 09:24	07/15/16 14:36	1
Benzo[b]fluoranthene	ND	F1	0.20	0.040	ug/L		07/14/16 09:24	07/15/16 14:36	1
Benzo[g,h,i]perylene	ND	F1	0.20	0.040	ug/L		07/14/16 09:24	07/15/16 14:36	1
Benzo[k]fluoranthene	ND	F1	0.20	0.040	ug/L		07/14/16 09:24	07/15/16 14:36	1
Chrysene	ND	F1	0.20	0.040	ug/L		07/14/16 09:24	07/15/16 14:36	1
Dibenz(a,h)anthracene	ND	F1	0.20	0.040	ug/L		07/14/16 09:24	07/15/16 14:36	1
Fluoranthene	ND		0.20	0.020	ug/L		07/14/16 09:24	07/15/16 14:36	1
Fluorene	ND		0.20	0.021	ug/L		07/14/16 09:24	07/15/16 14:36	1
Indeno[1,2,3-cd]pyrene	ND	F1	0.20	0.040	ug/L		07/14/16 09:24	07/15/16 14:36	1
Phenanthrene	ND		0.20	0.020	ug/L		07/14/16 09:24	07/15/16 14:36	1
Pyrene	ND	F1	0.20	0.020	ug/L		07/14/16 09:24	07/15/16 14:36	1
1-Methylnaphthalene	**0.033**	**J**	0.20	0.020	ug/L		07/14/16 09:24	07/15/16 14:36	1
2-Methylnaphthalene	**0.039**	**J**	0.20	0.020	ug/L		07/14/16 09:24	07/15/16 14:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*47*		*33 - 138*	*07/14/16 09:24*	*07/15/16 14:36*	*1*
2-Fluorobiphenyl	*43*		*15 - 122*	*07/14/16 09:24*	*07/15/16 14:36*	*1*

Client Sample ID: MW-23-ROX-070816

Date Collected: 07/08/16 10:45
Date Received: 07/09/16 09:13

Lab Sample ID: 400-124217-3

Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*52*		*19 - 130*	*07/14/16 09:24*	*07/15/16 14:36*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND	F1 * UJ	10	3.8	ug/L		07/14/16 09:24	07/28/16 13:41	1
Aniline	ND	H	10	3.8	ug/L		07/28/16 11:26	07/29/16 20:05	1
Benzenethiol	ND		10	1.7	ug/L		07/14/16 09:24	07/28/16 13:41	1
Benzenethiol	ND	H *	10	1.7	ug/L		07/28/16 11:26	07/29/16 20:05	1
Benzoic acid	**9.1**	**J**	30	7.3	ug/L		07/14/16 09:24	07/28/16 13:41	1
Benzoic acid	ND	H	30	7.3	ug/L		07/28/16 11:26	07/29/16 20:05	1
Benzyl alcohol	ND	F1	10	2.0	ug/L		07/14/16 09:24	07/28/16 13:41	1
Benzyl alcohol	ND	H	10	2.0	ug/L		07/28/16 11:26	07/29/16 20:05	1
Bis(2-chloroethoxy)methane	ND	F2	10	0.69	ug/L		07/14/16 09:24	07/28/16 13:41	1
Bis(2-chloroethoxy)methane	ND	H	10	0.69	ug/L		07/28/16 11:26	07/29/16 20:05	1
Bis(2-chloroethyl)ether	ND	F1	10	0.74	ug/L		07/14/16 09:24	07/28/16 13:41	1
Bis(2-chloroethyl)ether	ND	H	10	0.74	ug/L		07/28/16 11:26	07/29/16 20:05	1
bis (2-chloroisopropyl) ether	ND	F1	10	0.81	ug/L		07/14/16 09:24	07/28/16 13:41	1
bis (2-chloroisopropyl) ether	ND	H	10	0.81	ug/L		07/28/16 11:26	07/29/16 20:05	1
Bis(2-ethylhexyl) phthalate	**2.4**	**J F1**	10	2.3	ug/L		07/14/16 09:24	07/28/16 13:41	1
Bis(2-ethylhexyl) phthalate	ND	* H F2	10	2.3	ug/L		07/28/16 11:26	07/29/16 20:05	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		07/14/16 09:24	07/28/16 13:41	1
4-Bromophenyl phenyl ether	ND	H	10	0.32	ug/L		07/28/16 11:26	07/29/16 20:05	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		07/14/16 09:24	07/28/16 13:41	1
Butyl benzyl phthalate	ND	* H	10	0.69	ug/L		07/28/16 11:26	07/29/16 20:05	1
4-Chloroaniline	ND	F1 * UJ	10	3.4	ug/L		07/14/16 09:24	07/28/16 13:41	1
4-Chloroaniline	ND	H	10	3.4	ug/L		07/28/16 11:26	07/29/16 20:05	1
4-Chloro-3-methylphenol	ND	F1	10	3.8	ug/L		07/14/16 09:24	07/28/16 13:41	1
4-Chloro-3-methylphenol	ND	H	10	3.8	ug/L		07/28/16 11:26	07/29/16 20:05	1
2-Chloronaphthalene	ND	F2	10	0.52	ug/L		07/14/16 09:24	07/28/16 13:41	1
2-Chloronaphthalene	ND	H	10	0.52	ug/L		07/28/16 11:26	07/29/16 20:05	1
2-Chlorophenol	ND	F1	10	2.2	ug/L		07/14/16 09:24	07/28/16 13:41	1
2-Chlorophenol	ND	H	10	2.2	ug/L		07/28/16 11:26	07/29/16 20:05	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		07/14/16 09:24	07/28/16 13:41	1
4-Chlorophenyl phenyl ether	ND	H	10	2.0	ug/L		07/28/16 11:26	07/29/16 20:05	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		07/14/16 09:24	07/28/16 13:41	1
Dibenz[a,h]acridine	ND	H	10	3.0	ug/L		07/28/16 11:26	07/29/16 20:05	1
Dibenzofuran	ND	F2	10	0.52	ug/L		07/14/16 09:24	07/28/16 13:41	1
Dibenzofuran	ND	H	10	0.52	ug/L		07/28/16 11:26	07/29/16 20:05	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		07/14/16 09:24	07/28/16 13:41	1
3,3'-Dichlorobenzidine	ND	H F1	10	2.6	ug/L		07/28/16 11:26	07/29/16 20:05	1
2,4-Dichlorophenol	ND	F1	10	3.0	ug/L		07/14/16 09:24	07/28/16 13:41	1
2,4-Dichlorophenol	ND	H	10	3.0	ug/L		07/28/16 11:26	07/29/16 20:05	1
Diethyl phthalate	ND		10	0.70	ug/L		07/14/16 09:24	07/28/16 13:41	1
Diethyl phthalate	ND	H	10	0.70	ug/L		07/28/16 11:26	07/29/16 20:05	1
2,4-Dimethylphenol	ND	F1	10	3.5	ug/L		07/14/16 09:24	07/28/16 13:41	1
2,4-Dimethylphenol	ND	H	10	3.5	ug/L		07/28/16 11:26	07/29/16 20:05	1
Dimethyl phthalate	ND		10	0.60	ug/L		07/14/16 09:24	07/28/16 13:41	1
Dimethyl phthalate	ND	H	10	0.60	ug/L		07/28/16 11:26	07/29/16 20:05	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		07/14/16 09:24	07/28/16 13:41	1

Client Sample ID: MW-23-ROX-070816

Date Collected: 07/08/16 10:45
Date Received: 07/09/16 09:13

Lab Sample ID: 400-124217-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-butyl phthalate	ND	H	10	2.7	ug/L		07/28/16 11:26	07/29/16 20:05	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/14/16 09:24	07/28/16 13:41	1
4,6-Dinitro-ortho-cresol	ND	H *	10	2.0	ug/L		07/28/16 11:26	07/29/16 20:05	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		07/14/16 09:24	07/28/16 13:41	1
2,4-Dinitrophenol	ND	H	30	3.4	ug/L		07/28/16 11:26	07/29/16 20:05	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		07/14/16 09:24	07/28/16 13:41	1
2,4-Dinitrotoluene	ND	H	10	1.9	ug/L		07/28/16 11:26	07/29/16 20:05	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		07/14/16 09:24	07/28/16 13:41	1
2,6-Dinitrotoluene	ND	H	10	1.9	ug/L		07/28/16 11:26	07/29/16 20:05	1
Di-n-octyl phthalate	~~1.3~~ J	B F1 U	10	0.44	ug/L		07/14/16 09:24	07/28/16 13:41	1
Di-n-octyl phthalate	**1.5**	**J * H B**	10	0.44	ug/L		07/28/16 11:26	07/29/16 20:05	1
1,4-Dioxane	ND	F1	10	1.0	ug/L		07/14/16 09:24	07/28/16 13:41	1
1,4-Dioxane	ND	H	10	1.0	ug/L		07/28/16 11:26	07/29/16 20:05	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		07/14/16 09:24	07/28/16 13:41	1
1,2-Diphenylhydrazine (as Azobenzene)	ND	H	10	1.0	ug/L		07/28/16 11:26	07/29/16 20:05	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/14/16 09:24	07/28/16 13:41	1
Hexachlorobenzene	ND	H	10	0.25	ug/L		07/28/16 11:26	07/29/16 20:05	1
Hexachlorocyclopentadiene	ND	F1	20	2.6	ug/L		07/14/16 09:24	07/28/16 13:41	1
Hexachlorocyclopentadiene	ND	H	20	2.6	ug/L		07/28/16 11:26	07/29/16 20:05	1
Hexachloroethane	ND	F1	10	4.2	ug/L		07/14/16 09:24	07/28/16 13:41	1
Hexachloroethane	ND	H	10	4.2	ug/L		07/28/16 11:26	07/29/16 20:05	1
Indene	ND		10	1.0	ug/L		07/14/16 09:24	07/28/16 13:41	1
Indene	ND	H	10	1.0	ug/L		07/28/16 11:26	07/29/16 20:05	1
Isophorone	ND	F2	10	0.57	ug/L		07/14/16 09:24	07/28/16 13:41	1
Isophorone	ND	H	10	0.57	ug/L		07/28/16 11:26	07/29/16 20:05	1
2-Methylphenol	ND	F1	10	1.8	ug/L		07/14/16 09:24	07/28/16 13:41	1
2-Methylphenol	ND	H	10	1.8	ug/L		07/28/16 11:26	07/29/16 20:05	1
3 & 4 Methylphenol	ND	F1 F2	20	1.0	ug/L		07/14/16 09:24	07/28/16 13:41	1
3 & 4 Methylphenol	ND	H	20	1.0	ug/L		07/28/16 11:26	07/29/16 20:05	1
2-Nitroaniline	ND		10	2.2	ug/L		07/14/16 09:24	07/28/16 13:41	1
2-Nitroaniline	ND	* H	10	2.2	ug/L		07/28/16 11:26	07/29/16 20:05	1
3-Nitroaniline	ND	F1 UJ	10	1.8	ug/L		07/14/16 09:24	07/28/16 13:41	1
3-Nitroaniline	ND	H	10	1.8	ug/L		07/28/16 11:26	07/29/16 20:05	1
4-Nitroaniline	ND	F1	10	2.5	ug/L		07/14/16 09:24	07/28/16 13:41	1
4-Nitroaniline	ND	H	10	2.5	ug/L		07/28/16 11:26	07/29/16 20:05	1
Nitrobenzene	ND	F1	10	0.55	ug/L		07/14/16 09:24	07/28/16 13:41	1
Nitrobenzene	ND	H	10	0.55	ug/L		07/28/16 11:26	07/29/16 20:05	1
2-Nitrophenol	ND	F1 F2	10	0.65	ug/L		07/14/16 09:24	07/28/16 13:41	1
2-Nitrophenol	ND	H	10	0.65	ug/L		07/28/16 11:26	07/29/16 20:05	1
4-Nitrophenol	ND		10	2.1	ug/L		07/14/16 09:24	07/28/16 13:41	1
4-Nitrophenol	ND	H	10	2.1	ug/L		07/28/16 11:26	07/29/16 20:05	1
N-Nitrosodimethylamine	ND	F1	10	3.5	ug/L		07/14/16 09:24	07/28/16 13:41	1
N-Nitrosodimethylamine	ND	* H	10	3.5	ug/L		07/28/16 11:26	07/29/16 20:05	1
N-Nitrosodi-n-propylamine	ND	F1	10	3.3	ug/L		07/14/16 09:24	07/28/16 13:41	1
N-Nitrosodi-n-propylamine	ND	H	10	3.3	ug/L		07/28/16 11:26	07/29/16 20:05	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		07/14/16 09:24	07/28/16 13:41	1
N-Nitrosodiphenylamine	ND	H	10	0.47	ug/L		07/28/16 11:26	07/29/16 20:05	1
Pentachlorophenol	ND		20	1.8	ug/L		07/14/16 09:24	07/28/16 13:41	1

Client Sample ID: MW-23-ROX-070816

Date Collected: 07/08/16 10:45
Date Received: 07/09/16 09:13

Lab Sample ID: 400-124217-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND	H	20	1.8	ug/L		07/28/16 11:26	07/29/16 20:05	1
Phenol	ND	F1	10	2.6	ug/L		07/14/16 09:24	07/28/16 13:41	1
Phenol	ND	H	10	2.6	ug/L		07/28/16 11:26	07/29/16 20:05	1
Pyridine	ND	F1 * UJ	10	3.2	ug/L		07/14/16 09:24	07/28/16 13:41	1
Pyridine	ND	H	10	3.2	ug/L		07/28/16 11:26	07/29/16 20:05	1
Quinoline	ND		10	6.0	ug/L		07/14/16 09:24	07/28/16 13:41	1
Quinoline	ND	H	10	6.0	ug/L		07/28/16 11:26	07/29/16 20:05	1
2,4,5-Trichlorophenol	ND	F1	10	3.7	ug/L		07/14/16 09:24	07/28/16 13:41	1
2,4,5-Trichlorophenol	ND	H	10	3.7	ug/L		07/28/16 11:26	07/29/16 20:05	1
2,4,6-Trichlorophenol	ND	F1	10	3.5	ug/L		07/14/16 09:24	07/28/16 13:41	1
2,4,6-Trichlorophenol	ND	H	10	3.5	ug/L		07/28/16 11:26	07/29/16 20:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*46*		*34 - 120*	*07/14/16 09:24*	*07/28/16 13:41*	*1*
2-Fluorobiphenyl	*69*		*34 - 120*	*07/28/16 11:26*	*07/29/16 20:05*	*1*
2-Fluorophenol	*53*		*10 - 120*	*07/14/16 09:24*	*07/28/16 13:41*	*1*
2-Fluorophenol	*48*		*10 - 120*	*07/28/16 11:26*	*07/29/16 20:05*	*1*
Nitrobenzene-d5	*49*		*27 - 120*	*07/14/16 09:24*	*07/28/16 13:41*	*1*
Nitrobenzene-d5	*75*		*27 - 120*	*07/28/16 11:26*	*07/29/16 20:05*	*1*
Phenol-d5	*43*		*10 - 120*	*07/14/16 09:24*	*07/28/16 13:41*	*1*
Phenol-d5	*55*		*10 - 120*	*07/28/16 11:26*	*07/29/16 20:05*	*1*
Terphenyl-d14	*58*		*53 - 125*	*07/14/16 09:24*	*07/28/16 13:41*	*1*
Terphenyl-d14	*53*		*53 - 125*	*07/28/16 11:26*	*07/29/16 20:05*	*1*
2,4,6-Tribromophenol	*70*		*15 - 135*	*07/14/16 09:24*	*07/28/16 13:41*	*1*
2,4,6-Tribromophenol	*35*		*15 - 135*	*07/28/16 11:26*	*07/29/16 20:05*	*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		07/16/16 11:05	07/17/16 07:24	1
1,2-Dibromoethane	ND		0.019	0.0048	ug/L		07/16/16 11:05	07/17/16 07:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*51 - 149*	*07/16/16 11:05*	*07/17/16 07:24*	*1*

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
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.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
*	RPD of the LCS and LCSD exceeds the control limits
*	LCS or LCSD is outside acceptance limits.
B	Compound was found in the blank and sample.
H	Sample was prepped or analyzed beyond the specified holding time
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 - 3Q16

TestAmerica Job ID: 400-124217-1
SDG: 60477387 - 1.03.0033

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)
400-124217-2	TB-ROX-070816-8260-23	101	103	98
400-124217-3	MW-23-ROX-070816	102	103	98
400-124217-3 MS	MW-23-ROX-070816-MS	99	105	98
400-124217-3 MSD	MW-23-ROX-070816-MSD	100	105	100
LCS 400-314166/1002	Lab Control Sample	101	107	99
MB 400-314166/4	Method Blank	100	104	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)
400-124217-3	MW-23-ROX-070816	46	53	49	43	58	70
400-124217-3	MW-23-ROX-070816	69	48	75	55	53	35
400-124217-3 MS	MW-23-ROX-070816-MS	46	44	52	45	48 X	61
400-124217-3 MS	MW-23-ROX-070816-MS	72	63	82	75	58	47
400-124217-3 MSD	MW-23-ROX-070816-MSD	21 X	8 X	9 X	16	48 X	56
400-124217-3 MSD	MW-23-ROX-070816-MSD	70	61	82	75	68	53
LCS 400-314243/2-A	Lab Control Sample	77	77	81	81	92	104
LCS 400-316146/2-A	Lab Control Sample	87	80	91	93	122	64
LCS 400-316146/4-A	Lab Control Sample	78	69	90	83	110	52
LCSD 400-314243/3-A	Lab Control Sample Dup	65	74	68	67	76	92
LCSD 400-316146/3-A	Lab Control Sample Dup	84	78	89	91	120	61
LCSD 400-316146/5-A	Lab Control Sample Dup	81	59	82	76	106	49
MB 400-314243/1-A	Method Blank	67	65	68	68	81	75
MB 400-316146/1-A	Method Blank	90	79	94	96	125	56

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)
400-124217-3	MW-23-ROX-070816	47	43	52
400-124217-3 MS	MW-23-ROX-070816-MS	30 X	34	43
400-124217-3 MSD	MW-23-ROX-070816-MSD	43	24	14 X

Surrogate Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 3Q16

TestAmerica Job ID: 400-124217-1
SDG: 60477387 - 1.03.0033

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 400-314243/2-A	Lab Control Sample	60	73	71
MB 400-314243/1-A	Method Blank	47	53	54

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)
400-124217-1	TB-ROX-O7816-8011-23	95
400-124217-3	MW-23-ROX-070816	101
400-124217-3 MS	MW-23-ROX-070816-MS	91
400-124217-3 MSD	MW-23-ROX-070816-MSD	90
LCS 400-314555/2-A	Lab Control Sample	107
MB 400-314555/1-A	Method Blank	88

Surrogate Legend

BFB = 4-Bromofluorobenzene

Method Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 3Q16

TestAmerica Job ID: 400-124217-1
SDG: 60477387 - 1.03.0033

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: TB-ROX-O7816-8011-23

Lab Sample ID: 400-124217-1
Matrix: Water

Date Collected: 07/08/16 00:00
Date Received: 07/09/16 09:13

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	314555	07/16/16 11:05	AM	TAL PEN
Total/NA	Analysis	8011		1			314609	07/17/16 06:25	AM	TAL PEN

Client Sample ID: TB-ROX-070816-8260-23

Lab Sample ID: 400-124217-2
Matrix: Water

Date Collected: 07/08/16 00:00
Date Received: 07/09/16 09:13

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	314166	07/13/16 22:16	S1S	TAL PEN

Client Sample ID: MW-23-ROX-070816

Lab Sample ID: 400-124217-3
Matrix: Water

Date Collected: 07/08/16 10:45
Date Received: 07/09/16 09:13

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	314166	07/13/16 21:49	S1S	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314243	07/14/16 09:24	RMC	TAL PEN
Total/NA	Analysis	8270D		1			316101	07/28/16 13:41	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	316146	07/28/16 11:26	RMC	TAL PEN
Total/NA	Analysis	8270D		1			316322	07/29/16 20:05	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314243	07/14/16 09:24	RMC	TAL PEN
Total/NA	Analysis	8270D LL		1			314392	07/15/16 14:36	VC1	TAL PEN
Total/NA	Prep	8011			36.4 mL	35 mL	314555	07/16/16 11:05	AM	TAL PEN
Total/NA	Analysis	8011		1			314609	07/17/16 07:24	AM	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-314166/4
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	314166	07/13/16 17:14	S1S	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-314243/1-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	314243	07/14/16 09:24	RMC	TAL PEN
Total/NA	Analysis	8270D		1			316101	07/28/16 12:10	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314243	07/14/16 09:24	RMC	TAL PEN
Total/NA	Analysis	8270D LL		1			314193	07/15/16 02:53	VC1	TAL PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-314555/1-A
Date Collected: N/A
Matrix: Water
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	314555	07/16/16 11:05	AM	TAL PEN
Total/NA	Analysis	8011		1			314609	07/16/16 20:31	AM	TAL PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-316146/1-A
Date Collected: N/A
Matrix: Water
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	316146	07/28/16 11:26	RMC	TAL PEN
Total/NA	Analysis	8270D		1			316322	07/29/16 17:35	MAM	TAL PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-314166/1002
Date Collected: N/A
Matrix: Water
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	314166	07/13/16 16:08	S1S	TAL PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-314243/2-A
Date Collected: N/A
Matrix: Water
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	314243	07/14/16 09:24	RMC	TAL PEN
Total/NA	Analysis	8270D		1			316101	07/28/16 12:41	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314243	07/14/16 09:24	RMC	TAL PEN
Total/NA	Analysis	8270D LL		1			314193	07/15/16 03:45	VC1	TAL PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-314555/2-A
Date Collected: N/A
Matrix: Water
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	314555	07/16/16 11:05	AM	TAL PEN
Total/NA	Analysis	8011		1			314609	07/16/16 21:01	AM	TAL PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-316146/2-A
Date Collected: N/A
Matrix: Water
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	316146	07/28/16 11:26	RMC	TAL PEN
Total/NA	Analysis	8270D		1	0.4 mL	1.0 mL	316322	07/29/16 18:05	MAM	TAL PEN

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

Lab Sample ID: LCS 400-316146/4-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	316146	07/28/16 11:26	RMC	TAL PEN
Total/NA	Analysis	8270D		1			316322	07/29/16 19:05	MAM	TAL PEN

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

Lab Sample ID: LCSD 400-314243/3-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	314243	07/14/16 09:24	RMC	TAL PEN
Total/NA	Analysis	8270D		1			316101	07/28/16 13:11	MAM	TAL PEN

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

Lab Sample ID: LCSD 400-316146/3-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	316146	07/28/16 11:26	RMC	TAL PEN
Total/NA	Analysis	8270D		1			316322	07/29/16 18:35	MAM	TAL PEN

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

Lab Sample ID: LCSD 400-316146/5-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	316146	07/28/16 11:26	RMC	TAL PEN
Total/NA	Analysis	8270D		1			316322	07/29/16 19:35	MAM	TAL PEN

Client Sample ID: MW-23-ROX-070816-MS
Date Collected: 07/08/16 10:45
Date Received: 07/09/16 09:13

Lab Sample ID: 400-124217-3 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	314166	07/13/16 19:59	S1S	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314243	07/14/16 09:24	RMC	TAL PEN
Total/NA	Analysis	8270D		1			316101	07/28/16 14:11	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	316146	07/28/16 11:26	RMC	TAL PEN
Total/NA	Analysis	8270D		1			316322	07/29/16 20:36	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314243	07/14/16 09:24	RMC	TAL PEN
Total/NA	Analysis	8270D LL		1			314392	07/15/16 13:50	VC1	TAL PEN
Total/NA	Prep	8011			33.5 mL	35 mL	314555	07/16/16 11:05	AM	TAL PEN
Total/NA	Analysis	8011		1			314609	07/17/16 07:54	AM	TAL PEN

Client Sample ID: MW-23-ROX-070816-MSD

Date Collected: 07/08/16 10:45
Date Received: 07/09/16 09:13

Lab Sample ID: 400-124217-3 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	314166	07/13/16 20:27	S1S	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314243	07/14/16 09:24	RMC	TAL PEN
Total/NA	Analysis	8270D		1			316101	07/28/16 14:42	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	316146	07/28/16 11:26	RMC	TAL PEN
Total/NA	Analysis	8270D		1			316322	07/29/16 21:06	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314243	07/14/16 09:24	RMC	TAL PEN
Total/NA	Analysis	8270D LL		1			314392	07/15/16 14:13	VC1	TAL PEN
Total/NA	Prep	8011			34.4 mL	35 mL	314555	07/16/16 11:05	AM	TAL PEN
Total/NA	Analysis	8011		1			314609	07/17/16 08:24	AM	TAL PEN

Laboratory References:

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

GC/MS VOA

Analysis Batch: 314166

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124217-2	TB-ROX-070816-8260-23	Total/NA	Water	8260B	
400-124217-3	MW-23-ROX-070816	Total/NA	Water	8260B	
MB 400-314166/4	Method Blank	Total/NA	Water	8260B	
LCS 400-314166/1002	Lab Control Sample	Total/NA	Water	8260B	
400-124217-3 MS	MW-23-ROX-070816-MS	Total/NA	Water	8260B	
400-124217-3 MSD	MW-23-ROX-070816-MSD	Total/NA	Water	8260B	

GC/MS Semi VOA

Analysis Batch: 314193

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-314243/1-A	Method Blank	Total/NA	Water	8270D LL	314243
LCS 400-314243/2-A	Lab Control Sample	Total/NA	Water	8270D LL	314243

Prep Batch: 314243

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124217-3	MW-23-ROX-070816	Total/NA	Water	3520C	
MB 400-314243/1-A	Method Blank	Total/NA	Water	3520C	
LCS 400-314243/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 400-314243/3-A	Lab Control Sample Dup	Total/NA	Water	3520C	
400-124217-3 MS	MW-23-ROX-070816-MS	Total/NA	Water	3520C	
400-124217-3 MSD	MW-23-ROX-070816-MSD	Total/NA	Water	3520C	

Analysis Batch: 314392

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124217-3	MW-23-ROX-070816	Total/NA	Water	8270D LL	314243
400-124217-3 MS	MW-23-ROX-070816-MS	Total/NA	Water	8270D LL	314243
400-124217-3 MSD	MW-23-ROX-070816-MSD	Total/NA	Water	8270D LL	314243

Analysis Batch: 316101

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124217-3	MW-23-ROX-070816	Total/NA	Water	8270D	314243
MB 400-314243/1-A	Method Blank	Total/NA	Water	8270D	314243
LCS 400-314243/2-A	Lab Control Sample	Total/NA	Water	8270D	314243
LCSD 400-314243/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	314243
400-124217-3 MS	MW-23-ROX-070816-MS	Total/NA	Water	8270D	314243
400-124217-3 MSD	MW-23-ROX-070816-MSD	Total/NA	Water	8270D	314243

Prep Batch: 316146

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124217-3	MW-23-ROX-070816	Total/NA	Water	3520C	
MB 400-316146/1-A	Method Blank	Total/NA	Water	3520C	
LCS 400-316146/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCS 400-316146/4-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 400-316146/3-A	Lab Control Sample Dup	Total/NA	Water	3520C	
LCSD 400-316146/5-A	Lab Control Sample Dup	Total/NA	Water	3520C	
400-124217-3 MS	MW-23-ROX-070816-MS	Total/NA	Water	3520C	
400-124217-3 MSD	MW-23-ROX-070816-MSD	Total/NA	Water	3520C	

GC/MS Semi VOA (Continued)

Analysis Batch: 316322

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124217-3	MW-23-ROX-070816	Total/NA	Water	8270D	316146
MB 400-316146/1-A	Method Blank	Total/NA	Water	8270D	316146
LCS 400-316146/2-A	Lab Control Sample	Total/NA	Water	8270D	316146
LCS 400-316146/4-A	Lab Control Sample	Total/NA	Water	8270D	316146
LCSD 400-316146/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	316146
LCSD 400-316146/5-A	Lab Control Sample Dup	Total/NA	Water	8270D	316146
400-124217-3 MS	MW-23-ROX-070816-MS	Total/NA	Water	8270D	316146
400-124217-3 MSD	MW-23-ROX-070816-MSD	Total/NA	Water	8270D	316146

GC Semi VOA

Prep Batch: 314555

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124217-1	TB-ROX-O7816-8011-23	Total/NA	Water	8011	
400-124217-3	MW-23-ROX-070816	Total/NA	Water	8011	
MB 400-314555/1-A	Method Blank	Total/NA	Water	8011	
LCS 400-314555/2-A	Lab Control Sample	Total/NA	Water	8011	
400-124217-3 MS	MW-23-ROX-070816-MS	Total/NA	Water	8011	
400-124217-3 MSD	MW-23-ROX-070816-MSD	Total/NA	Water	8011	

Analysis Batch: 314609

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124217-1	TB-ROX-O7816-8011-23	Total/NA	Water	8011	314555
400-124217-3	MW-23-ROX-070816	Total/NA	Water	8011	314555
MB 400-314555/1-A	Method Blank	Total/NA	Water	8011	314555
LCS 400-314555/2-A	Lab Control Sample	Total/NA	Water	8011	314555
400-124217-3 MS	MW-23-ROX-070816-MS	Total/NA	Water	8011	314555
400-124217-3 MSD	MW-23-ROX-070816-MSD	Total/NA	Water	8011	314555

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

Lab Sample ID: MB 400-314166/4
Matrix: Water
Analysis Batch: 314166

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			07/13/16 17:14	1
Acrolein	ND		20	10	ug/L			07/13/16 17:14	1
Acrylonitrile	ND		10	2.8	ug/L			07/13/16 17:14	1
Benzene	ND		1.0	0.38	ug/L			07/13/16 17:14	1
Bromobenzene	ND		1.0	0.54	ug/L			07/13/16 17:14	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/13/16 17:14	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/13/16 17:14	1
Bromoform	ND		5.0	0.71	ug/L			07/13/16 17:14	1
Bromomethane	ND		1.0	0.98	ug/L			07/13/16 17:14	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/13/16 17:14	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/13/16 17:14	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			07/13/16 17:14	1
Chlorobenzene	ND		1.0	0.50	ug/L			07/13/16 17:14	1
Dibromochloromethane	ND		1.0	0.50	ug/L			07/13/16 17:14	1
Chloroethane	ND		1.0	0.76	ug/L			07/13/16 17:14	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/13/16 17:14	1
Chloroform	ND		1.0	0.60	ug/L			07/13/16 17:14	1
1-Chlorohexane	ND		1.0	0.70	ug/L			07/13/16 17:14	1
Chloromethane	ND		1.0	0.83	ug/L			07/13/16 17:14	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/13/16 17:14	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/13/16 17:14	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/13/16 17:14	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/13/16 17:14	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/13/16 17:14	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/13/16 17:14	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/13/16 17:14	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			07/13/16 17:14	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/13/16 17:14	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/13/16 17:14	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/13/16 17:14	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/13/16 17:14	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			07/13/16 17:14	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/13/16 17:14	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/13/16 17:14	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/13/16 17:14	1
2-Hexanone	ND		25	3.1	ug/L			07/13/16 17:14	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/13/16 17:14	1
Methylene bromide	ND		5.0	0.59	ug/L			07/13/16 17:14	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/13/16 17:14	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/13/16 17:14	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			07/13/16 17:14	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			07/13/16 17:14	1
Naphthalene	ND		1.0	1.0	ug/L			07/13/16 17:14	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/13/16 17:14	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/13/16 17:14	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/13/16 17:14	1
o-Xylene	ND		5.0	0.60	ug/L			07/13/16 17:14	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/13/16 17:14	1

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

Lab Sample ID: MB 400-314166/4
Matrix: Water
Analysis Batch: 314166

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			07/13/16 17:14	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/13/16 17:14	1
Styrene	ND		1.0	1.0	ug/L			07/13/16 17:14	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/13/16 17:14	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			07/13/16 17:14	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/13/16 17:14	1
Tetrachloroethene	ND		1.0	0.58	ug/L			07/13/16 17:14	1
Toluene	ND		1.0	0.70	ug/L			07/13/16 17:14	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/13/16 17:14	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/13/16 17:14	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			07/13/16 17:14	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/13/16 17:14	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			07/13/16 17:14	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			07/13/16 17:14	1
Trichloroethene	ND		1.0	0.50	ug/L			07/13/16 17:14	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			07/13/16 17:14	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/13/16 17:14	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/13/16 17:14	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/13/16 17:14	1
Vinyl acetate	ND		25	2.0	ug/L			07/13/16 17:14	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/13/16 17:14	1
Xylenes, Total	ND		10	1.6	ug/L			07/13/16 17:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*78 - 118*		*07/13/16 17:14*	*1*
Dibromofluoromethane	*104*		*81 - 121*		*07/13/16 17:14*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*07/13/16 17:14*	*1*

Lab Sample ID: LCS 400-314166/1002
Matrix: Water
Analysis Batch: 314166

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	200	182		ug/L		91	43 - 160
Acrolein	500	391		ug/L		78	38 - 160
Acrylonitrile	500	472		ug/L		94	64 - 142
Benzene	50.0	48.5		ug/L		97	70 - 130
Bromobenzene	50.0	50.4		ug/L		101	70 - 132
Bromochloromethane	50.0	48.9		ug/L		98	70 - 130
Bromodichloromethane	50.0	49.9		ug/L		100	67 - 133
Bromoform	50.0	49.3		ug/L		99	57 - 140
Bromomethane	50.0	73.5		ug/L		147	10 - 160
2-Butanone (MEK)	200	190		ug/L		95	61 - 145
Carbon disulfide	50.0	48.1		ug/L		96	61 - 137
Carbon tetrachloride	50.0	49.5		ug/L		99	61 - 137
Chlorobenzene	50.0	49.0		ug/L		98	70 - 130
Dibromochloromethane	50.0	50.9		ug/L		102	67 - 135
Chloroethane	50.0	44.3		ug/L		89	55 - 141

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

Lab Sample ID: LCS 400-314166/1002
Matrix: Water
Analysis Batch: 314166

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	70.9		ug/L		142	10 - 160
Chloroform	50.0	48.7		ug/L		97	69 - 130
1-Chlorohexane	50.0	48.0		ug/L		96	69 - 130
Chloromethane	50.0	39.2		ug/L		78	58 - 137
cis-1,2-Dichloroethene	50.0	49.3		ug/L		99	68 - 130
cis-1,3-Dichloropropene	50.0	49.8		ug/L		100	69 - 132
1,2-Dichlorobenzene	50.0	49.1		ug/L		98	67 - 130
1,3-Dichlorobenzene	50.0	50.1		ug/L		100	70 - 130
1,4-Dichlorobenzene	50.0	49.8		ug/L		100	70 - 130
Dichlorodifluoromethane	50.0	47.4		ug/L		95	41 - 146
1,1-Dichloroethane	50.0	49.7		ug/L		99	70 - 130
1,2-Dichloroethane	50.0	47.4		ug/L		95	69 - 130
1,1-Dichloroethene	50.0	49.5		ug/L		99	63 - 134
1,2-Dichloropropane	50.0	48.6		ug/L		97	70 - 130
1,3-Dichloropropane	50.0	49.0		ug/L		98	70 - 130
2,2-Dichloropropane	50.0	51.5		ug/L		103	52 - 135
1,1-Dichloropropene	50.0	49.0		ug/L		98	70 - 130
Ethylbenzene	50.0	49.3		ug/L		99	70 - 130
Ethyl methacrylate	50.0	48.4		ug/L		97	68 - 130
Hexachlorobutadiene	50.0	51.5		ug/L		103	53 - 140
2-Hexanone	200	191		ug/L		96	65 - 137
Isopropylbenzene	50.0	49.7		ug/L		99	70 - 130
Methylene bromide	50.0	49.4		ug/L		99	70 - 130
Methylene Chloride	50.0	46.5		ug/L		93	66 - 135
4-Methyl-2-pentanone (MIBK)	200	189		ug/L		95	69 - 138
Methyl tert-butyl ether	50.0	48.2		ug/L		96	66 - 130
m-Xylene & p-Xylene	50.0	48.9		ug/L		98	70 - 130
Naphthalene	50.0	47.1		ug/L		94	47 - 149
n-Butylbenzene	50.0	51.8		ug/L		104	67 - 130
N-Propylbenzene	50.0	51.8		ug/L		104	70 - 130
o-Chlorotoluene	50.0	50.3		ug/L		101	70 - 130
o-Xylene	50.0	48.9		ug/L		98	70 - 130
p-Chlorotoluene	50.0	50.8		ug/L		102	70 - 130
p-Isopropyltoluene	50.0	52.2		ug/L		104	65 - 130
sec-Butylbenzene	50.0	51.7		ug/L		103	66 - 130
Styrene	50.0	49.3		ug/L		99	70 - 130
tert-Butylbenzene	50.0	51.2		ug/L		102	64 - 139
1,1,1,2-Tetrachloroethane	50.0	49.8		ug/L		100	67 - 131
1,1,2,2-Tetrachloroethane	50.0	48.1		ug/L		96	70 - 131
Tetrachloroethene	50.0	49.1		ug/L		98	65 - 130
Toluene	50.0	47.9		ug/L		96	70 - 130
trans-1,2-Dichloroethene	50.0	49.5		ug/L		99	70 - 130
trans-1,3-Dichloropropene	50.0	50.2		ug/L		100	63 - 130
1,2,3-Trichlorobenzene	50.0	49.7		ug/L		99	60 - 138
1,2,4-Trichlorobenzene	50.0	49.6		ug/L		99	60 - 140
1,1,1-Trichloroethane	50.0	48.9		ug/L		98	68 - 130
1,1,2-Trichloroethane	50.0	49.1		ug/L		98	70 - 130
Trichloroethene	50.0	49.2		ug/L		98	70 - 130

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

Lab Sample ID: LCS 400-314166/1002
Matrix: Water
Analysis Batch: 314166

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	39.8		ug/L		80	65 - 138
1,2,3-Trichloropropane	50.0	47.7		ug/L		95	70 - 130
1,2,4-Trimethylbenzene	50.0	51.4		ug/L		103	70 - 130
1,3,5-Trimethylbenzene	50.0	51.3		ug/L		103	69 - 130
Vinyl acetate	100	99.8		ug/L		100	26 - 160
Vinyl chloride	50.0	47.4		ug/L		95	59 - 136
Xylenes, Total	100	97.8		ug/L		98	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*78 - 118*
Dibromofluoromethane	*107*		*81 - 121*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: 400-124217-3 MS
Matrix: Water
Analysis Batch: 314166

Client Sample ID: MW-23-ROX-070816-MS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		200	168		ug/L		84	43 - 160
Acrolein	ND		500	350		ug/L		70	38 - 160
Acrylonitrile	ND		500	460		ug/L		92	62 - 149
Benzene	ND		50.0	43.1		ug/L		86	56 - 142
Bromobenzene	ND		50.0	41.9		ug/L		84	59 - 136
Bromochloromethane	ND		50.0	45.1		ug/L		90	64 - 140
Bromodichloromethane	ND		50.0	44.7		ug/L		89	59 - 143
Bromoform	ND		50.0	42.5		ug/L		85	50 - 140
Bromomethane	ND		50.0	54.4		ug/L		109	10 - 160
2-Butanone (MEK)	ND		200	186		ug/L		93	55 - 150
Carbon disulfide	ND		50.0	42.8		ug/L		86	48 - 152
Carbon tetrachloride	ND		50.0	44.1		ug/L		88	55 - 145
Chlorobenzene	ND		50.0	42.3		ug/L		85	64 - 130
Dibromochloromethane	ND		50.0	45.2		ug/L		90	56 - 143
Chloroethane	ND		50.0	36.1		ug/L		72	50 - 151
2-Chloroethyl vinyl ether	ND	F1	50.0	ND	F1	ug/L		0	10 - 160
Chloroform	ND		50.0	44.1		ug/L		88	60 - 141
1-Chlorohexane	ND		50.0	41.2		ug/L		82	56 - 136
Chloromethane	ND		50.0	32.7		ug/L		65	49 - 148
cis-1,2-Dichloroethene	ND		50.0	44.7		ug/L		89	59 - 143
cis-1,3-Dichloropropene	ND		50.0	44.5		ug/L		89	57 - 140
1,2-Dichlorobenzene	ND		50.0	41.1		ug/L		82	52 - 137
1,3-Dichlorobenzene	ND		50.0	41.0		ug/L		82	54 - 135
1,4-Dichlorobenzene	ND		50.0	40.8		ug/L		82	53 - 135
Dichlorodifluoromethane	ND		50.0	40.3		ug/L		81	16 - 160
1,1-Dichloroethane	ND		50.0	44.7		ug/L		89	61 - 144
1,2-Dichloroethane	ND		50.0	43.7		ug/L		87	60 - 141
1,1-Dichloroethene	ND		50.0	45.0		ug/L		90	54 - 147
1,2-Dichloropropane	ND		50.0	43.6		ug/L		87	66 - 137
1,3-Dichloropropane	ND		50.0	44.0		ug/L		88	66 - 133

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

Lab Sample ID: 400-124217-3 MS
Matrix: Water
Analysis Batch: 314166

Client Sample ID: MW-23-ROX-070816-MS
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	45.3		ug/L		91	42 - 144
1,1-Dichloropropene	ND		50.0	43.3		ug/L		87	65 - 136
Ethylbenzene	ND		50.0	42.3		ug/L		85	58 - 131
Ethyl methacrylate	ND		50.0	44.4		ug/L		89	64 - 130
Hexachlorobutadiene	ND		50.0	39.7		ug/L		79	31 - 149
2-Hexanone	ND		200	176		ug/L		88	65 - 140
Isopropylbenzene	ND		50.0	42.4		ug/L		85	56 - 133
Methylene bromide	ND		50.0	45.3		ug/L		91	63 - 138
Methylene Chloride	ND		50.0	41.6		ug/L		83	60 - 146
4-Methyl-2-pentanone (MIBK)	ND		200	182		ug/L		91	63 - 146
Methyl tert-butyl ether	ND		50.0	45.3		ug/L		91	59 - 137
m-Xylene & p-Xylene	ND		50.0	41.9		ug/L		84	57 - 130
Naphthalene	ND		50.0	41.5		ug/L		83	25 - 160
n-Butylbenzene	ND		50.0	40.2		ug/L		80	41 - 142
N-Propylbenzene	ND		50.0	42.0		ug/L		84	51 - 138
o-Chlorotoluene	ND		50.0	41.2		ug/L		82	53 - 134
o-Xylene	ND		50.0	42.3		ug/L		85	61 - 130
p-Chlorotoluene	ND		50.0	41.4		ug/L		83	54 - 133
p-Isopropyltoluene	ND		50.0	42.3		ug/L		85	48 - 139
sec-Butylbenzene	ND		50.0	42.0		ug/L		84	50 - 138
Styrene	ND		50.0	42.2		ug/L		84	58 - 131
tert-Butylbenzene	ND		50.0	42.4		ug/L		85	54 - 146
1,1,1,2-Tetrachloroethane	ND		50.0	44.3		ug/L		89	59 - 137
1,1,2,2-Tetrachloroethane	ND		50.0	42.5		ug/L		85	66 - 135
Tetrachloroethene	ND		50.0	41.5		ug/L		83	52 - 133
Toluene	ND		50.0	41.6		ug/L		83	65 - 130
trans-1,2-Dichloroethene	ND		50.0	44.2		ug/L		88	61 - 143
trans-1,3-Dichloropropene	ND		50.0	44.5		ug/L		89	53 - 133
1,2,3-Trichlorobenzene	ND		50.0	40.4		ug/L		81	43 - 145
1,2,4-Trichlorobenzene	ND		50.0	39.3		ug/L		79	39 - 148
1,1,1-Trichloroethane	ND		50.0	43.6		ug/L		87	57 - 142
1,1,2-Trichloroethane	ND		50.0	44.4		ug/L		89	66 - 131
Trichloroethene	ND		50.0	43.6		ug/L		87	64 - 136
Trichlorofluoromethane	ND		50.0	33.7		ug/L		67	54 - 156
1,2,3-Trichloropropane	ND		50.0	42.7		ug/L		85	65 - 133
1,2,4-Trimethylbenzene	ND		50.0	41.9		ug/L		84	50 - 139
1,3,5-Trimethylbenzene	ND		50.0	42.4		ug/L		85	52 - 135
Vinyl acetate	ND		100	88.1		ug/L		88	26 - 160
Vinyl chloride	ND		50.0	40.1		ug/L		80	46 - 152
Xylenes, Total	ND		100	84.2		ug/L		84	59 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*99*		*78 - 118*
Dibromofluoromethane	*105*		*81 - 121*
Toluene-d8 (Surr)	*98*		*80 - 120*

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

Lab Sample ID: 400-124217-3 MSD
Matrix: Water
Analysis Batch: 314166

Client Sample ID: MW-23-ROX-070816-MSD
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	ND		200	199		ug/L		99	43 - 160	17	30
Acrolein	ND		500	397		ug/L		79	38 - 160	13	31
Acrylonitrile	ND		500	557		ug/L		111	62 - 149	19	30
Benzene	ND		50.0	52.9		ug/L		106	56 - 142	21	30
Bromobenzene	ND		50.0	51.7		ug/L		103	59 - 136	21	30
Bromochloromethane	ND		50.0	55.4		ug/L		111	64 - 140	20	30
Bromodichloromethane	ND		50.0	54.8		ug/L		110	59 - 143	20	30
Bromoform	ND		50.0	52.6		ug/L		105	50 - 140	21	30
Bromomethane	ND		50.0	69.1		ug/L		138	10 - 160	24	50
2-Butanone (MEK)	ND		200	220		ug/L		110	55 - 150	17	30
Carbon disulfide	ND		50.0	52.5		ug/L		105	48 - 152	20	30
Carbon tetrachloride	ND		50.0	54.5		ug/L		109	55 - 145	21	30
Chlorobenzene	ND		50.0	51.7		ug/L		103	64 - 130	20	30
Dibromochloromethane	ND		50.0	55.0		ug/L		110	56 - 143	20	30
Chloroethane	ND		50.0	44.9		ug/L		90	50 - 151	22	30
2-Chloroethyl vinyl ether	ND	F1	50.0	ND	F1	ug/L		0	10 - 160	NC	50
Chloroform	ND		50.0	54.6		ug/L		109	60 - 141	21	30
1-Chlorohexane	ND		50.0	50.4		ug/L		101	56 - 136	20	30
Chloromethane	ND		50.0	38.8		ug/L		78	49 - 148	17	31
cis-1,2-Dichloroethene	ND		50.0	54.7		ug/L		109	59 - 143	20	30
cis-1,3-Dichloropropene	ND		50.0	54.0		ug/L		108	57 - 140	19	30
1,2-Dichlorobenzene	ND		50.0	50.4		ug/L		101	52 - 137	20	30
1,3-Dichlorobenzene	ND		50.0	50.3		ug/L		101	54 - 135	20	30
1,4-Dichlorobenzene	ND		50.0	50.4		ug/L		101	53 - 135	21	30
Dichlorodifluoromethane	ND		50.0	47.5		ug/L		95	16 - 160	17	31
1,1-Dichloroethane	ND		50.0	55.0		ug/L		110	61 - 144	21	30
1,2-Dichloroethane	ND		50.0	52.9		ug/L		106	60 - 141	19	30
1,1-Dichloroethene	ND		50.0	55.8		ug/L		112	54 - 147	21	30
1,2-Dichloropropane	ND		50.0	53.4		ug/L		107	66 - 137	20	30
1,3-Dichloropropane	ND		50.0	54.1		ug/L		108	66 - 133	21	30
2,2-Dichloropropane	ND		50.0	56.4		ug/L		113	42 - 144	22	31
1,1-Dichloropropene	ND		50.0	53.5		ug/L		107	65 - 136	21	30
Ethylbenzene	ND		50.0	51.8		ug/L		104	58 - 131	20	30
Ethyl methacrylate	ND		50.0	54.1		ug/L		108	64 - 130	20	30
Hexachlorobutadiene	ND		50.0	48.8		ug/L		98	31 - 149	21	36
2-Hexanone	ND		200	215		ug/L		107	65 - 140	20	30
Isopropylbenzene	ND		50.0	51.4		ug/L		103	56 - 133	19	30
Methylene bromide	ND		50.0	54.8		ug/L		110	63 - 138	19	30
Methylene Chloride	ND		50.0	50.9		ug/L		102	60 - 146	20	32
4-Methyl-2-pentanone (MIBK)	ND		200	219		ug/L		109	63 - 146	19	30
Methyl tert-butyl ether	ND		50.0	54.9		ug/L		110	59 - 137	19	30
m-Xylene & p-Xylene	ND		50.0	51.1		ug/L		102	57 - 130	20	30
Naphthalene	ND		50.0	51.0		ug/L		102	25 - 160	21	30
n-Butylbenzene	ND		50.0	49.0		ug/L		98	41 - 142	20	31
N-Propylbenzene	ND		50.0	51.7		ug/L		103	51 - 138	21	30
o-Chlorotoluene	ND		50.0	50.5		ug/L		101	53 - 134	20	30
o-Xylene	ND		50.0	51.5		ug/L		103	61 - 130	20	30
p-Chlorotoluene	ND		50.0	51.0		ug/L		102	54 - 133	21	30

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

Lab Sample ID: 400-124217-3 MSD
Matrix: Water
Analysis Batch: 314166

Client Sample ID: MW-23-ROX-070816-MSD
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	51.4		ug/L		103	48 - 139	20	30
sec-Butylbenzene	ND		50.0	51.3		ug/L		103	50 - 138	20	30
Styrene	ND		50.0	51.5		ug/L		103	58 - 131	20	30
tert-Butylbenzene	ND		50.0	52.1		ug/L		104	54 - 146	21	30
1,1,1,2-Tetrachloroethane	ND		50.0	53.9		ug/L		108	59 - 137	20	30
1,1,2,2-Tetrachloroethane	ND		50.0	52.6		ug/L		105	66 - 135	21	30
Tetrachloroethene	ND		50.0	50.9		ug/L		102	52 - 133	20	30
Toluene	ND		50.0	51.2		ug/L		102	65 - 130	21	30
trans-1,2-Dichloroethene	ND		50.0	54.2		ug/L		108	61 - 143	20	30
trans-1,3-Dichloropropene	ND		50.0	54.5		ug/L		109	53 - 133	20	30
1,2,3-Trichlorobenzene	ND		50.0	50.2		ug/L		100	43 - 145	22	30
1,2,4-Trichlorobenzene	ND		50.0	48.6		ug/L		97	39 - 148	21	30
1,1,1-Trichloroethane	ND		50.0	54.4		ug/L		109	57 - 142	22	30
1,1,2-Trichloroethane	ND		50.0	54.1		ug/L		108	66 - 131	20	30
Trichloroethene	ND		50.0	53.4		ug/L		107	64 - 136	20	30
Trichlorofluoromethane	ND		50.0	39.9		ug/L		80	54 - 156	17	30
1,2,3-Trichloropropane	ND		50.0	52.7		ug/L		105	65 - 133	21	30
1,2,4-Trimethylbenzene	ND		50.0	51.8		ug/L		104	50 - 139	21	30
1,3,5-Trimethylbenzene	ND		50.0	51.5		ug/L		103	52 - 135	19	30
Vinyl acetate	ND		100	102		ug/L		102	26 - 160	14	33
Vinyl chloride	ND		50.0	46.9		ug/L		94	46 - 152	16	30
Xylenes, Total	ND		100	103		ug/L		103	59 - 130	20	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*78 - 118*
Dibromofluoromethane	*105*		*81 - 121*
Toluene-d8 (Surr)	*100*		*80 - 120*

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

Lab Sample ID: MB 400-314243/1-A
Matrix: Water
Analysis Batch: 316101

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 314243

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		07/14/16 09:24	07/28/16 12:10	1
Benzenethiol	ND		10	1.7	ug/L		07/14/16 09:24	07/28/16 12:10	1
Benzoic acid	ND		30	7.3	ug/L		07/14/16 09:24	07/28/16 12:10	1
Benzyl alcohol	ND		10	2.0	ug/L		07/14/16 09:24	07/28/16 12:10	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		07/14/16 09:24	07/28/16 12:10	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		07/14/16 09:24	07/28/16 12:10	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		07/14/16 09:24	07/28/16 12:10	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		07/14/16 09:24	07/28/16 12:10	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		07/14/16 09:24	07/28/16 12:10	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		07/14/16 09:24	07/28/16 12:10	1
4-Chloroaniline	ND		10	3.4	ug/L		07/14/16 09:24	07/28/16 12:10	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		07/14/16 09:24	07/28/16 12:10	1
2-Chloronaphthalene	ND		10	0.52	ug/L		07/14/16 09:24	07/28/16 12:10	1

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

Lab Sample ID: MB 400-314243/1-A
Matrix: Water
Analysis Batch: 316101

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 314243

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorophenol	ND		10	2.2	ug/L		07/14/16 09:24	07/28/16 12:10	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		07/14/16 09:24	07/28/16 12:10	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		07/14/16 09:24	07/28/16 12:10	1
Dibenzofuran	ND		10	0.52	ug/L		07/14/16 09:24	07/28/16 12:10	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		07/14/16 09:24	07/28/16 12:10	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		07/14/16 09:24	07/28/16 12:10	1
Diethyl phthalate	ND		10	0.70	ug/L		07/14/16 09:24	07/28/16 12:10	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		07/14/16 09:24	07/28/16 12:10	1
Dimethyl phthalate	ND		10	0.60	ug/L		07/14/16 09:24	07/28/16 12:10	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		07/14/16 09:24	07/28/16 12:10	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/14/16 09:24	07/28/16 12:10	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		07/14/16 09:24	07/28/16 12:10	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		07/14/16 09:24	07/28/16 12:10	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		07/14/16 09:24	07/28/16 12:10	1
Di-n-octyl phthalate	1.05	J	10	0.44	ug/L		07/14/16 09:24	07/28/16 12:10	1
1,4-Dioxane	ND		10	1.0	ug/L		07/14/16 09:24	07/28/16 12:10	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		07/14/16 09:24	07/28/16 12:10	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/14/16 09:24	07/28/16 12:10	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		07/14/16 09:24	07/28/16 12:10	1
Hexachloroethane	ND		10	4.2	ug/L		07/14/16 09:24	07/28/16 12:10	1
Indene	ND		10	1.0	ug/L		07/14/16 09:24	07/28/16 12:10	1
Isophorone	ND		10	0.57	ug/L		07/14/16 09:24	07/28/16 12:10	1
2-Methylphenol	ND		10	1.8	ug/L		07/14/16 09:24	07/28/16 12:10	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		07/14/16 09:24	07/28/16 12:10	1
2-Nitroaniline	ND		10	2.2	ug/L		07/14/16 09:24	07/28/16 12:10	1
3-Nitroaniline	ND		10	1.8	ug/L		07/14/16 09:24	07/28/16 12:10	1
4-Nitroaniline	ND		10	2.5	ug/L		07/14/16 09:24	07/28/16 12:10	1
Nitrobenzene	ND		10	0.55	ug/L		07/14/16 09:24	07/28/16 12:10	1
2-Nitrophenol	ND		10	0.65	ug/L		07/14/16 09:24	07/28/16 12:10	1
4-Nitrophenol	ND		10	2.1	ug/L		07/14/16 09:24	07/28/16 12:10	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		07/14/16 09:24	07/28/16 12:10	1
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		07/14/16 09:24	07/28/16 12:10	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		07/14/16 09:24	07/28/16 12:10	1
Pentachlorophenol	ND		20	1.8	ug/L		07/14/16 09:24	07/28/16 12:10	1
Phenol	ND		10	2.6	ug/L		07/14/16 09:24	07/28/16 12:10	1
Pyridine	ND		10	3.2	ug/L		07/14/16 09:24	07/28/16 12:10	1
Quinoline	ND		10	6.0	ug/L		07/14/16 09:24	07/28/16 12:10	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		07/14/16 09:24	07/28/16 12:10	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		07/14/16 09:24	07/28/16 12:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*67*		*34 - 120*	*07/14/16 09:24*	*07/28/16 12:10*	*1*
2-Fluorophenol	*65*		*10 - 120*	*07/14/16 09:24*	*07/28/16 12:10*	*1*
Nitrobenzene-d5	*68*		*27 - 120*	*07/14/16 09:24*	*07/28/16 12:10*	*1*
Phenol-d5	*68*		*10 - 120*	*07/14/16 09:24*	*07/28/16 12:10*	*1*
Terphenyl-d14	*81*		*53 - 125*	*07/14/16 09:24*	*07/28/16 12:10*	*1*
2,4,6-Tribromophenol	*75*		*15 - 135*	*07/14/16 09:24*	*07/28/16 12:10*	*1*

Lab Sample ID: LCS 400-314243/2-A
Matrix: Water
Analysis Batch: 316101

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 314243

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aniline	5.00	ND	*	ug/L		8	10 - 145
Benzyl alcohol	5.00	3.54		ug/L		71	51 - 121
Bis(2-chloroethoxy)methane	5.00	4.42		ug/L		88	54 - 123
Bis(2-chloroethyl)ether	5.00	3.97		ug/L		79	47 - 120
bis (2-chloroisopropyl) ether	5.00	4.00		ug/L		80	20 - 142
Bis(2-ethylhexyl) phthalate	5.00	5.86		ug/L		117	62 - 140
4-Bromophenyl phenyl ether	5.00	5.32		ug/L		106	62 - 132
Butyl benzyl phthalate	5.00	4.69		ug/L		94	51 - 150
4-Chloroaniline	5.00	ND		ug/L		38	32 - 128
4-Chloro-3-methylphenol	5.00	4.78		ug/L		96	47 - 135
2-Chloronaphthalene	5.00	4.32		ug/L		86	24 - 150
2-Chlorophenol	5.00	4.19		ug/L		84	45 - 120
4-Chlorophenyl phenyl ether	5.00	4.58		ug/L		92	61 - 133
Dibenzofuran	5.00	4.46		ug/L		89	62 - 124
2,4-Dichlorophenol	5.00	4.73		ug/L		95	52 - 125
Diethyl phthalate	5.00	4.47		ug/L		89	55 - 140
2,4-Dimethylphenol	5.00	4.41		ug/L		88	52 - 121
Dimethyl phthalate	5.00	4.61		ug/L		92	50 - 133
Di-n-butyl phthalate	5.00	4.79		ug/L		96	59 - 144
4,6-Dinitro-ortho-cresol	10.0	8.78		ug/L		88	46 - 136
2,4-Dinitrophenol	10.0	5.32		ug/L		53	22 - 146
2,4-Dinitrotoluene	5.00	5.02		ug/L		100	54 - 141
2,6-Dinitrotoluene	5.00	4.57		ug/L		91	61 - 130
Di-n-octyl phthalate	5.00	4.76		ug/L		95	55 - 140
1,4-Dioxane	5.00	3.14		ug/L		63	10 - 130
1,2-Diphenylhydrazine (as Azobenzene)	5.00	4.15		ug/L		83	55 - 139
Hexachlorobenzene	5.00	5.38		ug/L		108	60 - 138
Hexachlorocyclopentadiene	5.00	2.73		ug/L		55	1 - 139
Hexachloroethane	5.00	ND		ug/L		79	46 - 121
Isophorone	5.00	4.54		ug/L		91	57 - 122
2-Methylphenol	5.00	4.83		ug/L		97	38 - 121
3 & 4 Methylphenol	5.00	4.55		ug/L		91	43 - 126
2-Nitroaniline	5.00	4.61		ug/L		92	52 - 135
3-Nitroaniline	5.00	2.94		ug/L		59	51 - 128
4-Nitroaniline	5.00	3.32		ug/L		66	38 - 141
Nitrobenzene	5.00	4.36		ug/L		87	52 - 128
2-Nitrophenol	5.00	4.78		ug/L		96	47 - 129
4-Nitrophenol	10.0	8.33		ug/L		83	34 - 137
N-Nitrosodimethylamine	5.00	3.81		ug/L		76	21 - 134
N-Nitrosodi-n-propylamine	5.00	4.45		ug/L		89	41 - 143
N-Nitrosodiphenylamine	4.96	4.32		ug/L		87	10 - 185
Pentachlorophenol	10.0	7.74		ug/L		77	38 - 138
Phenol	5.00	4.38		ug/L		88	37 - 120
Pyridine	5.00	ND	*	ug/L		0	10 - 127
2,4,5-Trichlorophenol	5.00	4.73		ug/L		95	53 - 130
2,4,6-Trichlorophenol	5.00	4.50		ug/L		90	52 - 131

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*77*		*34 - 120*

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

Lab Sample ID: LCS 400-314243/2-A
Matrix: Water
Analysis Batch: 316101

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 314243

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorophenol	77		10 - 120
Nitrobenzene-d5	81		27 - 120
Phenol-d5	81		10 - 120
Terphenyl-d14	92		53 - 125
2,4,6-Tribromophenol	104		15 - 135

Lab Sample ID: LCSD 400-314243/3-A
Matrix: Water
Analysis Batch: 316101

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 314243

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aniline	5.00	ND	*	ug/L		3	10 - 145	79	30
Benzyl alcohol	5.00	2.71	J	ug/L		54	51 - 121	27	30
Bis(2-chloroethoxy)methane	5.00	3.51	J	ug/L		70	54 - 123	23	30
Bis(2-chloroethyl)ether	5.00	3.18	J	ug/L		64	47 - 120	22	30
bis (2-chloroisopropyl) ether	5.00	3.22	J	ug/L		64	20 - 142	22	30
Bis(2-ethylhexyl) phthalate	5.00	5.23	J	ug/L		105	62 - 140	11	30
4-Bromophenyl phenyl ether	5.00	4.39	J	ug/L		88	62 - 132	19	30
Butyl benzyl phthalate	5.00	4.02	J	ug/L		80	51 - 150	15	30
4-Chloroaniline	5.00	ND	*	ug/L		27	32 - 128	34	30
4-Chloro-3-methylphenol	5.00	ND		ug/L		75	47 - 135	25	30
2-Chloronaphthalene	5.00	3.50	J	ug/L		70	24 - 150	21	30
2-Chlorophenol	5.00	3.32	J	ug/L		66	45 - 120	23	30
4-Chlorophenyl phenyl ether	5.00	3.81	J	ug/L		76	61 - 133	18	30
Dibenzofuran	5.00	3.71	J	ug/L		74	62 - 124	18	30
2,4-Dichlorophenol	5.00	3.73	J	ug/L		75	52 - 125	24	30
Diethyl phthalate	5.00	3.82	J	ug/L		76	55 - 140	16	30
2,4-Dimethylphenol	5.00	ND		ug/L		69	52 - 121	24	30
Dimethyl phthalate	5.00	3.79	J	ug/L		76	50 - 133	19	30
Di-n-butyl phthalate	5.00	4.22	J	ug/L		84	59 - 144	13	30
4,6-Dinitro-ortho-cresol	10.0	7.91	J	ug/L		79	46 - 136	10	30
2,4-Dinitrophenol	10.0	4.30	J	ug/L		43	22 - 146	21	30
2,4-Dinitrotoluene	5.00	4.36	J	ug/L		87	54 - 141	14	30
2,6-Dinitrotoluene	5.00	3.86	J	ug/L		77	61 - 130	17	30
Di-n-octyl phthalate	5.00	3.72	J	ug/L		74	55 - 140	24	30
1,4-Dioxane	5.00	2.40	J	ug/L		48	10 - 130	27	30
1,2-Diphenylhydrazine (as Azobenzene)	5.00	3.47	J	ug/L		69	55 - 139	18	30
Hexachlorobenzene	5.00	4.50	J	ug/L		90	60 - 138	18	30
Hexachlorocyclopentadiene	5.00	ND		ug/L		48	1 - 139	13	30
Hexachloroethane	5.00	ND		ug/L		65	46 - 121	20	30
Isophorone	5.00	3.59	J	ug/L		72	57 - 122	23	30
2-Methylphenol	5.00	3.80	J	ug/L		76	38 - 121	24	30
3 & 4 Methylphenol	5.00	3.68	J	ug/L		74	43 - 126	21	30
2-Nitroaniline	5.00	3.91	J	ug/L		78	52 - 135	16	30
3-Nitroaniline	5.00	2.47	J	ug/L		49	51 - 128	17	30
4-Nitroaniline	5.00	2.96	J	ug/L		59	38 - 141	12	30
Nitrobenzene	5.00	3.53	J	ug/L		71	52 - 128	21	30

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

Lab Sample ID: LCSD 400-314243/3-A
Matrix: Water
Analysis Batch: 316101

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 314243

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Nitrophenol	5.00	3.93	J	ug/L		79	47 - 129	20	30
4-Nitrophenol	10.0	7.45	J	ug/L		74	34 - 137	11	30
N-Nitrosodimethylamine	5.00	ND		ug/L		60	21 - 134	24	30
N-Nitrosodi-n-propylamine	5.00	3.58	J	ug/L		72	41 - 143	22	30
N-Nitrosodiphenylamine	4.96	3.63	J	ug/L		73	10 - 185	17	30
Pentachlorophenol	10.0	6.79	J	ug/L		68	38 - 138	13	30
Phenol	5.00	3.50	J	ug/L		70	37 - 120	22	30
Pyridine	5.00	ND	*	ug/L		0	10 - 127	NC	30
2,4,5-Trichlorophenol	5.00	4.05	J	ug/L		81	53 - 130	16	30
2,4,6-Trichlorophenol	5.00	3.68	J	ug/L		74	52 - 131	20	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*65*		*34 - 120*
2-Fluorophenol	*74*		*10 - 120*
Nitrobenzene-d5	*68*		*27 - 120*
Phenol-d5	*67*		*10 - 120*
Terphenyl-d14	*76*		*53 - 125*
2,4,6-Tribromophenol	*92*		*15 - 135*

Lab Sample ID: 400-124217-3 MS
Matrix: Water
Analysis Batch: 316101

Client Sample ID: MW-23-ROX-070816-MS
Prep Type: Total/NA
Prep Batch: 314243

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aniline	ND	F1 *	5.00	ND	F1	ug/L		0	10 - 143
Benzyl alcohol	ND	F1	5.00	2.01	J	ug/L		40	10 - 154
Bis(2-chloroethoxy)methane	ND	F2	5.00	2.56	J	ug/L		51	14 - 147
Bis(2-chloroethyl)ether	ND	F1	5.00	2.33	J	ug/L		47	28 - 130
bis (2-chloroisopropyl) ether	ND	F1	5.00	2.47	J	ug/L		49	10 - 141
Bis(2-ethylhexyl) phthalate	2.4	J F1	5.00	3.20	J F1	ug/L		16	43 - 160
4-Bromophenyl phenyl ether	ND		5.00	2.96	J	ug/L		59	26 - 159
Butyl benzyl phthalate	ND		5.00	3.37	J	ug/L		67	43 - 151
4-Chloroaniline	ND	F1 *	5.00	ND	F1	ug/L		0	10 - 152
4-Chloro-3-methylphenol	ND	F1	5.00	ND	F1	ug/L		0	17 - 156
2-Chloronaphthalene	ND	F2	5.00	2.62	J	ug/L		52	10 - 155
2-Chlorophenol	ND	F1	5.00	2.38	J	ug/L		48	19 - 130
4-Chlorophenyl phenyl ether	ND		5.00	2.66	J	ug/L		53	25 - 161
Dibenzofuran	ND	F2	5.00	2.71	J	ug/L		54	18 - 157
2,4-Dichlorophenol	ND	F1	5.00	ND	F1	ug/L		0	16 - 147
Diethyl phthalate	ND		5.00	2.77	J	ug/L		55	23 - 160
2,4-Dimethylphenol	ND	F1	5.00	ND	F1	ug/L		0	25 - 146
Dimethyl phthalate	ND		5.00	2.73	J	ug/L		55	11 - 158
Di-n-butyl phthalate	ND		5.00	3.30	J	ug/L		66	28 - 162
4,6-Dinitro-ortho-cresol	ND		10.0	7.29	J	ug/L		73	10 - 168
2,4-Dinitrophenol	ND		10.0	7.18	J	ug/L		72	10 - 166
2,4-Dinitrotoluene	ND		5.00	3.24	J	ug/L		65	26 - 158
2,6-Dinitrotoluene	ND		5.00	2.99	J	ug/L		60	19 - 157
Di-n-octyl phthalate	1.3	J B F1	5.00	1.49	J F1	ug/L		4	42 - 150

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

Lab Sample ID: 400-124217-3 MS
Matrix: Water
Analysis Batch: 316101

Client Sample ID: MW-23-ROX-070816-MS
Prep Type: Total/NA
Prep Batch: 314243

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dioxane	ND	F1	5.00	1.56	J	ug/L		31	10 - 130
1,2-Diphenylhydrazine (as Azobenzene)	ND		5.00	2.87	J	ug/L		57	19 - 162
Hexachlorobenzene	ND		5.00	2.81	J	ug/L		56	45 - 145
Hexachlorocyclopentadiene	ND	F1	5.00	ND	F1	ug/L		0	10 - 151
Hexachloroethane	ND	F1	5.00	ND	F1	ug/L		0	29 - 130
Isophorone	ND	F2	5.00	2.67	J	ug/L		53	24 - 144
2-Methylphenol	ND	F1	5.00	2.83	J	ug/L		57	22 - 130
3 & 4 Methylphenol	ND	F1 F2	5.00	2.61	J	ug/L		52	31 - 130
2-Nitroaniline	ND		5.00	3.37	J	ug/L		67	10 - 162
3-Nitroaniline	ND	F1	5.00	ND	F1	ug/L		0	10 - 163
4-Nitroaniline	ND	F1	5.00	ND	F1	ug/L		0	10 - 162
Nitrobenzene	ND	F1	5.00	2.67	J	ug/L		53	34 - 135
2-Nitrophenol	ND	F1 F2	5.00	2.85	J	ug/L		57	27 - 134
4-Nitrophenol	ND		10.0	6.21	J	ug/L		62	10 - 175
N-Nitrosodimethylamine	ND	F1	5.00	ND	F1	ug/L		0	10 - 139
N-Nitrosodi-n-propylamine	ND	F1	5.00	ND	F1	ug/L		0	13 - 147
N-Nitrosodiphenylamine	ND		4.96	2.54	J	ug/L		51	31 - 150
Pentachlorophenol	ND		10.0	6.85	J	ug/L		68	10 - 180
Phenol	ND	F1	5.00	ND	F1	ug/L		0	23 - 130
Pyridine	ND	F1 *	5.00	ND	F1	ug/L		0	10 - 130
2,4,5-Trichlorophenol	ND	F1	5.00	ND	F1	ug/L		0	43 - 137
2,4,6-Trichlorophenol	ND	F1	5.00	ND	F1	ug/L		0	42 - 135

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*46*		*34 - 120*
2-Fluorophenol	*44*		*10 - 120*
Nitrobenzene-d5	*52*		*27 - 120*
Phenol-d5	*45*		*10 - 120*
Terphenyl-d14	*48*	*X*	*53 - 125*
2,4,6-Tribromophenol	*61*		*15 - 135*

Lab Sample ID: 400-124217-3 MSD
Matrix: Water
Analysis Batch: 316101

Client Sample ID: MW-23-ROX-070816-MSD
Prep Type: Total/NA
Prep Batch: 314243

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aniline	ND	F1 *	5.00	ND	F1	ug/L		0	10 - 143	NC	63
Benzyl alcohol	ND	F1	5.00	ND	F1	ug/L		0	10 - 154	NC	37
Bis(2-chloroethoxy)methane	ND	F2	5.00	0.793	J F2	ug/L		16	14 - 147	105	70
Bis(2-chloroethyl)ether	ND	F1	5.00	ND	F1	ug/L		0	28 - 130	NC	42
bis (2-chloroisopropyl) ether	ND	F1	5.00	ND	F1	ug/L		0	10 - 141	NC	41
Bis(2-ethylhexyl) phthalate	2.4	J F1	5.00	ND	F1	ug/L		0	43 - 160	NC	35
4-Bromophenyl phenyl ether	ND		5.00	2.58	J	ug/L		52	26 - 159	14	30
Butyl benzyl phthalate	ND		5.00	3.43	J	ug/L		69	43 - 151	2	32
4-Chloroaniline	ND	F1 *	5.00	ND	F1	ug/L		0	10 - 152	NC	94
4-Chloro-3-methylphenol	ND	F1	5.00	ND	F1	ug/L		0	17 - 156	NC	40
2-Chloronaphthalene	ND	F2	5.00	1.26	J F2	ug/L		25	10 - 155	70	29

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

Lab Sample ID: 400-124217-3 MSD
Matrix: Water
Analysis Batch: 316101

Client Sample ID: MW-23-ROX-070816-MSD
Prep Type: Total/NA
Prep Batch: 314243

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Chlorophenol	ND	F1	5.00	ND	F1	ug/L		0	19 - 130	NC	42
4-Chlorophenyl phenyl ether	ND		5.00	2.04	J	ug/L		41	25 - 161	26	27
Dibenzofuran	ND	F2	5.00	1.92	J F2	ug/L		38	18 - 157	34	29
2,4-Dichlorophenol	ND	F1	5.00	ND	F1	ug/L		0	16 - 147	NC	43
Diethyl phthalate	ND		5.00	2.70	J	ug/L		54	23 - 160	3	40
2,4-Dimethylphenol	ND	F1	5.00	ND	F1	ug/L		0	25 - 146	NC	47
Dimethyl phthalate	ND		5.00	2.41	J	ug/L		48	11 - 158	13	36
Di-n-butyl phthalate	ND		5.00	3.31	J	ug/L		66	28 - 162	0	32
4,6-Dinitro-ortho-cresol	ND		10.0	6.85	J	ug/L		69	10 - 168	6	42
2,4-Dinitrophenol	ND		10.0	6.51	J	ug/L		65	10 - 166	10	36
2,4-Dinitrotoluene	ND		5.00	3.06	J	ug/L		61	26 - 158	6	28
2,6-Dinitrotoluene	ND		5.00	2.59	J	ug/L		52	19 - 157	14	28
Di-n-octyl phthalate	1.3	J B F1	5.00	1.44	J F1	ug/L		3	42 - 150	3	35
1,4-Dioxane	ND	F1	5.00	ND	F1	ug/L		0	10 - 130	NC	40
1,2-Diphenylhydrazine (as Azobenzene)	ND		5.00	2.36	J	ug/L		47	19 - 162	20	40
Hexachlorobenzene	ND		5.00	2.32	J	ug/L		46	45 - 145	19	33
Hexachlorocyclopentadiene	ND	F1	5.00	ND	F1	ug/L		0	10 - 151	NC	50
Hexachloroethane	ND	F1	5.00	ND	F1	ug/L		0	29 - 130	NC	41
Isophorone	ND	F2	5.00	1.36	J F2	ug/L		27	24 - 144	65	33
2-Methylphenol	ND	F1	5.00	ND	F1	ug/L		0	22 - 130	NC	47
3 & 4 Methylphenol	ND	F1 F2	5.00	1.31	J F1 F2	ug/L		26	31 - 130	66	47
2-Nitroaniline	ND		5.00	3.19	J	ug/L		64	10 - 162	6	33
3-Nitroaniline	ND	F1	5.00	ND	F1	ug/L		0	10 - 163	NC	39
4-Nitroaniline	ND	F1	5.00	ND	F1	ug/L		0	10 - 162	NC	50
Nitrobenzene	ND	F1	5.00	ND	F1	ug/L		0	34 - 135	NC	35
2-Nitrophenol	ND	F1 F2	5.00	0.982	J F1 F2	ug/L		20	27 - 134	97	43
4-Nitrophenol	ND		10.0	6.03	J	ug/L		60	10 - 175	3	82
N-Nitrosodimethylamine	ND	F1	5.00	ND	F1	ug/L		0	10 - 139	NC	62
N-Nitrosodi-n-propylamine	ND	F1	5.00	ND	F1	ug/L		0	13 - 147	NC	36
N-Nitrosodiphenylamine	ND		4.96	2.25	J	ug/L		45	31 - 150	12	34
Pentachlorophenol	ND		10.0	6.89	J	ug/L		69	10 - 180	1	42
Phenol	ND	F1	5.00	ND	F1	ug/L		0	23 - 130	NC	52
Pyridine	ND	F1 *	5.00	ND	F1	ug/L		0	10 - 130	NC	55
2,4,5-Trichlorophenol	ND	F1	5.00	ND	F1	ug/L		0	43 - 137	NC	42
2,4,6-Trichlorophenol	ND	F1	5.00	ND	F1	ug/L		0	42 - 135	NC	44

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*21*	*X*	*34 - 120*
2-Fluorophenol	*8*	*X*	*10 - 120*
Nitrobenzene-d5	*9*	*X*	*27 - 120*
Phenol-d5	*16*		*10 - 120*
Terphenyl-d14	*48*	*X*	*53 - 125*
2,4,6-Tribromophenol	*56*		*15 - 135*

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

Lab Sample ID: MB 400-316146/1-A
Matrix: Water
Analysis Batch: 316322

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 316146

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		07/28/16 11:26	07/29/16 17:35	1
Benzenethiol	ND		10	1.7	ug/L		07/28/16 11:26	07/29/16 17:35	1
Benzoic acid	ND		30	7.3	ug/L		07/28/16 11:26	07/29/16 17:35	1
Benzyl alcohol	ND		10	2.0	ug/L		07/28/16 11:26	07/29/16 17:35	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		07/28/16 11:26	07/29/16 17:35	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		07/28/16 11:26	07/29/16 17:35	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		07/28/16 11:26	07/29/16 17:35	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		07/28/16 11:26	07/29/16 17:35	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		07/28/16 11:26	07/29/16 17:35	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		07/28/16 11:26	07/29/16 17:35	1
4-Chloroaniline	ND		10	3.4	ug/L		07/28/16 11:26	07/29/16 17:35	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		07/28/16 11:26	07/29/16 17:35	1
2-Chloronaphthalene	ND		10	0.52	ug/L		07/28/16 11:26	07/29/16 17:35	1
2-Chlorophenol	ND		10	2.2	ug/L		07/28/16 11:26	07/29/16 17:35	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		07/28/16 11:26	07/29/16 17:35	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		07/28/16 11:26	07/29/16 17:35	1
Dibenzofuran	ND		10	0.52	ug/L		07/28/16 11:26	07/29/16 17:35	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		07/28/16 11:26	07/29/16 17:35	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		07/28/16 11:26	07/29/16 17:35	1
Diethyl phthalate	ND		10	0.70	ug/L		07/28/16 11:26	07/29/16 17:35	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		07/28/16 11:26	07/29/16 17:35	1
Dimethyl phthalate	ND		10	0.60	ug/L		07/28/16 11:26	07/29/16 17:35	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		07/28/16 11:26	07/29/16 17:35	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/28/16 11:26	07/29/16 17:35	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		07/28/16 11:26	07/29/16 17:35	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		07/28/16 11:26	07/29/16 17:35	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		07/28/16 11:26	07/29/16 17:35	1
Di-n-octyl phthalate	1.22	J	10	0.44	ug/L		07/28/16 11:26	07/29/16 17:35	1
1,4-Dioxane	ND		10	1.0	ug/L		07/28/16 11:26	07/29/16 17:35	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		07/28/16 11:26	07/29/16 17:35	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/28/16 11:26	07/29/16 17:35	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		07/28/16 11:26	07/29/16 17:35	1
Hexachloroethane	ND		10	4.2	ug/L		07/28/16 11:26	07/29/16 17:35	1
Indene	ND		10	1.0	ug/L		07/28/16 11:26	07/29/16 17:35	1
Isophorone	ND		10	0.57	ug/L		07/28/16 11:26	07/29/16 17:35	1
2-Methylphenol	ND		10	1.8	ug/L		07/28/16 11:26	07/29/16 17:35	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		07/28/16 11:26	07/29/16 17:35	1
2-Nitroaniline	ND		10	2.2	ug/L		07/28/16 11:26	07/29/16 17:35	1
3-Nitroaniline	ND		10	1.8	ug/L		07/28/16 11:26	07/29/16 17:35	1
4-Nitroaniline	ND		10	2.5	ug/L		07/28/16 11:26	07/29/16 17:35	1
Nitrobenzene	ND		10	0.55	ug/L		07/28/16 11:26	07/29/16 17:35	1
2-Nitrophenol	ND		10	0.65	ug/L		07/28/16 11:26	07/29/16 17:35	1
4-Nitrophenol	ND		10	2.1	ug/L		07/28/16 11:26	07/29/16 17:35	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		07/28/16 11:26	07/29/16 17:35	1
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		07/28/16 11:26	07/29/16 17:35	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		07/28/16 11:26	07/29/16 17:35	1
Pentachlorophenol	ND		20	1.8	ug/L		07/28/16 11:26	07/29/16 17:35	1

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

Lab Sample ID: MB 400-316146/1-A
Matrix: Water
Analysis Batch: 316322

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 316146

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		10	2.6	ug/L		07/28/16 11:26	07/29/16 17:35	1
Pyridine	ND		10	3.2	ug/L		07/28/16 11:26	07/29/16 17:35	1
Quinoline	ND		10	6.0	ug/L		07/28/16 11:26	07/29/16 17:35	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		07/28/16 11:26	07/29/16 17:35	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		07/28/16 11:26	07/29/16 17:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*90*		*34 - 120*	*07/28/16 11:26*	*07/29/16 17:35*	*1*
2-Fluorophenol	*79*		*10 - 120*	*07/28/16 11:26*	*07/29/16 17:35*	*1*
Nitrobenzene-d5	*94*		*27 - 120*	*07/28/16 11:26*	*07/29/16 17:35*	*1*
Phenol-d5	*96*		*10 - 120*	*07/28/16 11:26*	*07/29/16 17:35*	*1*
Terphenyl-d14	*125*		*53 - 125*	*07/28/16 11:26*	*07/29/16 17:35*	*1*
2,4,6-Tribromophenol	*56*		*15 - 135*	*07/28/16 11:26*	*07/29/16 17:35*	*1*

Lab Sample ID: LCS 400-316146/2-A
Matrix: Water
Analysis Batch: 316322

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 316146

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aniline	30.0	27.5		ug/L		92	10 - 145
Benzoic acid	121	70.9		ug/L		59	10 - 120
Benzyl alcohol	30.0	29.4		ug/L		98	51 - 121
Bis(2-chloroethoxy)methane	30.0	27.9		ug/L		93	54 - 123
Bis(2-chloroethyl)ether	30.0	29.1		ug/L		97	47 - 120
bis (2-chloroisopropyl) ether	30.0	37.1		ug/L		124	20 - 142
Bis(2-ethylhexyl) phthalate	30.0	47.1	*	ug/L		157	62 - 140
4-Bromophenyl phenyl ether	30.0	26.0		ug/L		87	62 - 132
Butyl benzyl phthalate	30.0	46.4	*	ug/L		155	51 - 150
4-Chloroaniline	30.0	23.1		ug/L		77	32 - 128
4-Chloro-3-methylphenol	30.0	33.4		ug/L		111	47 - 135
2-Chloronaphthalene	30.0	29.5		ug/L		98	24 - 150
2-Chlorophenol	30.0	27.1		ug/L		90	45 - 120
4-Chlorophenyl phenyl ether	30.0	26.1		ug/L		87	61 - 133
Dibenz[a,h]acridine	30.0	30.2		ug/L		101	60 - 131
Dibenzofuran	30.0	29.2		ug/L		97	62 - 124
3,3'-Dichlorobenzidine	40.0	38.0		ug/L		95	16 - 167
2,4-Dichlorophenol	30.0	28.3		ug/L		94	52 - 125
Diethyl phthalate	30.0	36.5		ug/L		122	55 - 140
2,4-Dimethylphenol	30.0	28.7		ug/L		96	52 - 121
Dimethyl phthalate	30.0	29.7		ug/L		99	50 - 133
Di-n-butyl phthalate	30.0	36.7		ug/L		122	59 - 144
4,6-Dinitro-ortho-cresol	60.0	58.1		ug/L		97	46 - 136
2,4-Dinitrophenol	101	102		ug/L		100	22 - 146
2,4-Dinitrotoluene	30.0	30.5		ug/L		102	54 - 141
2,6-Dinitrotoluene	30.0	28.1		ug/L		94	61 - 130
Di-n-octyl phthalate	30.0	44.6	*	ug/L		149	55 - 140
1,4-Dioxane	30.0	21.4		ug/L		71	10 - 130

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

Lab Sample ID: LCS 400-316146/2-A
Matrix: Water
Analysis Batch: 316322

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 316146

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Diphenylhydrazine (as Azobenzene)	30.0	34.0		ug/L		113	55 - 139
Hexachlorobenzene	30.0	25.1		ug/L		84	60 - 138
Hexachlorocyclopentadiene	30.0	16.3	J	ug/L		54	1 - 139
Hexachloroethane	30.0	29.6		ug/L		99	46 - 121
Indene	30.0	30.4		ug/L		101	17 - 141
Isophorone	30.0	29.0		ug/L		97	57 - 122
2-Methylphenol	30.0	31.9		ug/L		106	38 - 121
3 & 4 Methylphenol	30.0	29.1		ug/L		97	43 - 126
2-Nitroaniline	30.0	40.9	*	ug/L		136	52 - 135
3-Nitroaniline	30.0	29.2		ug/L		97	51 - 128
4-Nitroaniline	30.0	29.4		ug/L		98	38 - 141
Nitrobenzene	30.0	29.3		ug/L		98	52 - 128
2-Nitrophenol	30.0	28.9		ug/L		96	47 - 129
4-Nitrophenol	60.0	54.0		ug/L		90	34 - 137
N-Nitrosodimethylamine	30.0	42.7	*	ug/L		142	21 - 134
N-Nitrosodi-n-propylamine	30.0	30.9		ug/L		103	41 - 143
N-Nitrosodiphenylamine	30.0	30.4		ug/L		101	10 - 185
Pentachlorophenol	60.0	43.5		ug/L		72	38 - 138
Phenol	30.0	28.5		ug/L		95	37 - 120
Pyridine	30.0	24.5		ug/L		82	10 - 127
Quinoline	30.0	30.4		ug/L		101	10 - 164
2,4,5-Trichlorophenol	30.0	27.2		ug/L		91	53 - 130
2,4,6-Trichlorophenol	30.0	23.9		ug/L		80	52 - 131

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*87*		*34 - 120*
2-Fluorophenol	*80*		*10 - 120*
Nitrobenzene-d5	*91*		*27 - 120*
Phenol-d5	*93*		*10 - 120*
Terphenyl-d14	*122*		*53 - 125*
2,4,6-Tribromophenol	*64*		*15 - 135*

Lab Sample ID: LCS 400-316146/4-A
Matrix: Water
Analysis Batch: 316322

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 316146

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzenethiol	100	47.2		ug/L		47	20 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*78*		*34 - 120*
2-Fluorophenol	*69*		*10 - 120*
Nitrobenzene-d5	*90*		*27 - 120*
Phenol-d5	*83*		*10 - 120*
Terphenyl-d14	*110*		*53 - 125*
2,4,6-Tribromophenol	*52*		*15 - 135*

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

Lab Sample ID: LCSD 400-316146/3-A
Matrix: Water
Analysis Batch: 316322

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 316146

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aniline	30.0	28.8		ug/L		96	10 - 145	5	30
Benzoic acid	121	69.0		ug/L		57	10 - 120	3	30
Benzyl alcohol	30.0	30.5		ug/L		102	51 - 121	4	30
Bis(2-chloroethoxy)methane	30.0	29.1		ug/L		97	54 - 123	4	30
Bis(2-chloroethyl)ether	30.0	30.0		ug/L		100	47 - 120	3	30
bis (2-chloroisopropyl) ether	30.0	37.9		ug/L		126	20 - 142	2	30
Bis(2-ethylhexyl) phthalate	30.0	47.7	*	ug/L		159	62 - 140	1	30
4-Bromophenyl phenyl ether	30.0	27.5		ug/L		92	62 - 132	6	30
Butyl benzyl phthalate	30.0	47.9	*	ug/L		160	51 - 150	3	30
4-Chloroaniline	30.0	25.0		ug/L		83	32 - 128	8	30
4-Chloro-3-methylphenol	30.0	35.3		ug/L		118	47 - 135	5	30
2-Chloronaphthalene	30.0	30.4		ug/L		101	24 - 150	3	30
2-Chlorophenol	30.0	27.9		ug/L		93	45 - 120	3	30
4-Chlorophenyl phenyl ether	30.0	27.0		ug/L		90	61 - 133	3	30
Dibenz[a,h]acridine	30.0	32.2		ug/L		107	60 - 131	6	30
Dibenzofuran	30.0	30.8		ug/L		103	62 - 124	5	30
3,3'-Dichlorobenzidine	40.0	39.0		ug/L		98	16 - 167	3	30
2,4-Dichlorophenol	30.0	29.9		ug/L		100	52 - 125	5	30
Diethyl phthalate	30.0	38.5		ug/L		128	55 - 140	5	30
2,4-Dimethylphenol	30.0	29.1		ug/L		97	52 - 121	2	30
Dimethyl phthalate	30.0	31.2		ug/L		104	50 - 133	5	30
Di-n-butyl phthalate	30.0	37.0		ug/L		123	59 - 144	1	30
4,6-Dinitro-ortho-cresol	60.0	60.3		ug/L		100	46 - 136	4	30
2,4-Dinitrophenol	101	100		ug/L		99	22 - 146	1	30
2,4-Dinitrotoluene	30.0	31.0		ug/L		103	54 - 141	2	30
2,6-Dinitrotoluene	30.0	28.8		ug/L		96	61 - 130	2	30
Di-n-octyl phthalate	30.0	44.7	*	ug/L		149	55 - 140	0	30
1,4-Dioxane	30.0	24.8		ug/L		83	10 - 130	14	30
1,2-Diphenylhydrazine (as Azobenzene)	30.0	36.2		ug/L		121	55 - 139	6	30
Hexachlorobenzene	30.0	26.3		ug/L		88	60 - 138	5	30
Hexachlorocyclopentadiene	30.0	16.7	J	ug/L		56	1 - 139	2	30
Hexachloroethane	30.0	29.6		ug/L		99	46 - 121	0	30
Indene	30.0	29.8		ug/L		99	17 - 141	2	30
Isophorone	30.0	30.3		ug/L		101	57 - 122	5	30
2-Methylphenol	30.0	32.0		ug/L		107	38 - 121	0	30
3 & 4 Methylphenol	30.0	29.7		ug/L		99	43 - 126	2	30
2-Nitroaniline	30.0	43.4	*	ug/L		145	52 - 135	6	30
3-Nitroaniline	30.0	31.8		ug/L		106	51 - 128	8	30
4-Nitroaniline	30.0	28.4		ug/L		95	38 - 141	4	30
Nitrobenzene	30.0	30.4		ug/L		101	52 - 128	4	30
2-Nitrophenol	30.0	30.2		ug/L		101	47 - 129	5	30
4-Nitrophenol	60.0	51.4		ug/L		86	34 - 137	5	30
N-Nitrosodimethylamine	30.0	43.7	*	ug/L		146	21 - 134	2	30
N-Nitrosodi-n-propylamine	30.0	32.1		ug/L		107	41 - 143	4	30
N-Nitrosodiphenylamine	30.0	32.0		ug/L		107	10 - 185	5	30
Pentachlorophenol	60.0	44.6		ug/L		74	38 - 138	2	30
Phenol	30.0	29.8		ug/L		99	37 - 120	5	30

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

Lab Sample ID: LCSD 400-316146/3-A
Matrix: Water
Analysis Batch: 316322

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 316146

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Pyridine			30.0	25.5		ug/L		85	10 - 127	4	30
Quinoline			30.0	32.4		ug/L		108	10 - 164	6	30
2,4,5-Trichlorophenol			30.0	27.9		ug/L		93	53 - 130	3	30
2,4,6-Trichlorophenol			30.0	24.8		ug/L		83	52 - 131	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*84*		*34 - 120*
2-Fluorophenol	*78*		*10 - 120*
Nitrobenzene-d5	*89*		*27 - 120*
Phenol-d5	*91*		*10 - 120*
Terphenyl-d14	*120*		*53 - 125*
2,4,6-Tribromophenol	*61*		*15 - 135*

Lab Sample ID: LCSD 400-316146/5-A
Matrix: Water
Analysis Batch: 316322

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 316146

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzenethiol			100	65.4	*	ug/L		65	20 - 150	32	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*81*		*34 - 120*
2-Fluorophenol	*59*		*10 - 120*
Nitrobenzene-d5	*82*		*27 - 120*
Phenol-d5	*76*		*10 - 120*
Terphenyl-d14	*106*		*53 - 125*
2,4,6-Tribromophenol	*49*		*15 - 135*

Lab Sample ID: 400-124217-3 MS
Matrix: Water
Analysis Batch: 316322

Client Sample ID: MW-23-ROX-070816-MS
Prep Type: Total/NA
Prep Batch: 316146

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aniline	ND	H	30.0	24.8	H	ug/L		83	10 - 143
Benzoic acid	ND	H	121	97.7	H	ug/L		81	10 - 134
Benzyl alcohol	ND	H	30.0	26.8	H	ug/L		89	10 - 154
Bis(2-chloroethoxy)methane	ND	H	30.0	25.5	H	ug/L		85	14 - 147
Bis(2-chloroethyl)ether	ND	H	30.0	28.5	H	ug/L		95	28 - 130
bis (2-chloroisopropyl) ether	ND	H	30.0	33.4	H	ug/L		111	10 - 141
Bis(2-ethylhexyl) phthalate	ND	* H F2	30.0	28.8	H	ug/L		96	43 - 160
4-Bromophenyl phenyl ether	ND	H	30.0	21.9	H	ug/L		73	26 - 159
Butyl benzyl phthalate	ND	* H	30.0	35.8	H	ug/L		119	43 - 151
4-Chloroaniline	ND	H	30.0	16.0	H	ug/L		53	10 - 152
4-Chloro-3-methylphenol	ND	H	30.0	27.7	H	ug/L		92	17 - 156
2-Chloronaphthalene	ND	H	30.0	26.1	H	ug/L		87	10 - 155
2-Chlorophenol	ND	H	30.0	23.1	H	ug/L		77	19 - 130
4-Chlorophenyl phenyl ether	ND	H	30.0	21.7	H	ug/L		72	25 - 161
Dibenz[a,h]acridine	ND	H	30.0	25.3	H	ug/L		84	42 - 147

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

Lab Sample ID: 400-124217-3 MS — **Client Sample ID: MW-23-ROX-070816-MS**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 316322 — **Prep Batch: 316146**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Dibenzofuran	ND	H	30.0	25.3	H	ug/L		84	18 - 157
3,3'-Dichlorobenzidine	ND	H F1	40.0	ND	H F1	ug/L		0	10 - 172
2,4-Dichlorophenol	ND	H	30.0	23.7	H	ug/L		79	16 - 147
Diethyl phthalate	ND	H	30.0	25.9	H	ug/L		86	23 - 160
2,4-Dimethylphenol	ND	H	30.0	24.1	H	ug/L		80	25 - 146
Dimethyl phthalate	ND	H	30.0	23.4	H	ug/L		78	11 - 158
Di-n-butyl phthalate	ND	H	30.0	27.0	H	ug/L		90	28 - 162
4,6-Dinitro-ortho-cresol	ND	H *	60.0	52.3	H	ug/L		87	10 - 168
2,4-Dinitrophenol	ND	H	101	95.4	H	ug/L		94	10 - 166
2,4-Dinitrotoluene	ND	H	30.0	26.2	H	ug/L		87	26 - 158
2,6-Dinitrotoluene	ND	H	30.0	24.3	H	ug/L		81	19 - 157
Di-n-octyl phthalate	1.5	J * H B	30.0	26.8	H	ug/L		84	42 - 150
1,4-Dioxane	ND	H	30.0	20.6	H	ug/L		69	10 - 130
1,2-Diphenylhydrazine (as Azobenzene)	ND	H	30.0	30.5	H	ug/L		102	19 - 162
Hexachlorobenzene	ND	H	30.0	19.4	H	ug/L		65	45 - 145
Hexachlorocyclopentadiene	ND	H	30.0	11.3	J H	ug/L		38	10 - 151
Hexachloroethane	ND	H	30.0	23.5	H	ug/L		78	29 - 130
Indene	ND	H	30.0	26.1	H	ug/L		87	22 - 130
Isophorone	ND	H	30.0	27.0	H	ug/L		90	24 - 144
2-Methylphenol	ND	H	30.0	26.9	H	ug/L		90	22 - 130
3 & 4 Methylphenol	ND	H	30.0	24.0	H	ug/L		80	31 - 130
2-Nitroaniline	ND	* H	30.0	32.1	H	ug/L		107	10 - 162
3-Nitroaniline	ND	H	30.0	21.3	H	ug/L		71	10 - 163
4-Nitroaniline	ND	H	30.0	22.2	H	ug/L		74	10 - 162
Nitrobenzene	ND	H	30.0	27.0	H	ug/L		90	34 - 135
2-Nitrophenol	ND	H	30.0	24.7	H	ug/L		82	27 - 134
4-Nitrophenol	ND	H	60.0	42.8	H	ug/L		71	10 - 175
N-Nitrosodimethylamine	ND	* H	30.0	39.5	H	ug/L		132	10 - 139
N-Nitrosodi-n-propylamine	ND	H	30.0	28.3	H	ug/L		94	13 - 147
N-Nitrosodiphenylamine	ND	H	30.0	11.9	H	ug/L		40	31 - 150
Pentachlorophenol	ND	H	60.0	41.6	H	ug/L		69	10 - 180
Phenol	ND	H	30.0	23.9	H	ug/L		80	23 - 130
Pyridine	ND	H	30.0	22.8	H	ug/L		76	10 - 130
Quinoline	ND	H	30.0	29.2	H	ug/L		97	10 - 180
2,4,5-Trichlorophenol	ND	H	30.0	22.0	H	ug/L		73	43 - 137
2,4,6-Trichlorophenol	ND	H	30.0	19.5	H	ug/L		65	42 - 135

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*72*		*34 - 120*
2-Fluorophenol	*63*		*10 - 120*
Nitrobenzene-d5	*82*		*27 - 120*
Phenol-d5	*75*		*10 - 120*
Terphenyl-d14	*58*		*53 - 125*
2,4,6-Tribromophenol	*47*		*15 - 135*

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

Lab Sample ID: 400-124217-3 MSD — **Client Sample ID: MW-23-ROX-070816-MSD**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 316322 — **Prep Batch: 316146**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aniline	ND	H	30.0	19.4	H	ug/L		65	10 - 143	25	63
Benzoic acid	ND	H	121	101	H	ug/L		83	10 - 134	3	49
Benzyl alcohol	ND	H	30.0	25.4	H	ug/L		85	10 - 154	5	37
Bis(2-chloroethoxy)methane	ND	H	30.0	22.9	H	ug/L		76	14 - 147	11	70
Bis(2-chloroethyl)ether	ND	H	30.0	25.2	H	ug/L		84	28 - 130	12	42
bis (2-chloroisopropyl) ether	ND	H	30.0	32.8	H	ug/L		109	10 - 141	2	41
Bis(2-ethylhexyl) phthalate	ND	* H F2	30.0	43.3	H F2	ug/L		144	43 - 160	40	35
4-Bromophenyl phenyl ether	ND	H	30.0	21.7	H	ug/L		72	26 - 159	1	30
Butyl benzyl phthalate	ND	* H	30.0	40.9	H	ug/L		136	43 - 151	13	32
4-Chloroaniline	ND	H	30.0	13.7	H	ug/L		46	10 - 152	15	94
4-Chloro-3-methylphenol	ND	H	30.0	26.2	H	ug/L		87	17 - 156	6	40
2-Chloronaphthalene	ND	H	30.0	23.8	H	ug/L		79	10 - 155	9	29
2-Chlorophenol	ND	H	30.0	21.4	H	ug/L		71	19 - 130	8	42
4-Chlorophenyl phenyl ether	ND	H	30.0	21.2	H	ug/L		71	25 - 161	2	27
Dibenz[a,h]acridine	ND	H	30.0	27.5	H	ug/L		92	42 - 147	9	40
Dibenzofuran	ND	H	30.0	23.9	H	ug/L		80	18 - 157	6	29
3,3'-Dichlorobenzidine	ND	H F1	40.0	ND	H F1	ug/L		0	10 - 172	NC	58
2,4-Dichlorophenol	ND	H	30.0	23.0	H	ug/L		77	16 - 147	3	43
Diethyl phthalate	ND	H	30.0	26.7	H	ug/L		89	23 - 160	3	40
2,4-Dimethylphenol	ND	H	30.0	21.5	H	ug/L		72	25 - 146	11	47
Dimethyl phthalate	ND	H	30.0	23.4	H	ug/L		78	11 - 158	0	36
Di-n-butyl phthalate	ND	H	30.0	29.2	H	ug/L		97	28 - 162	8	32
4,6-Dinitro-ortho-cresol	ND	H *	60.0	53.2	H	ug/L		89	10 - 168	2	42
2,4-Dinitrophenol	ND	H	101	100	H	ug/L		99	10 - 166	5	36
2,4-Dinitrotoluene	ND	H	30.0	24.3	H	ug/L		81	26 - 158	7	28
2,6-Dinitrotoluene	ND	H	30.0	22.6	H	ug/L		75	19 - 157	7	28
Di-n-octyl phthalate	1.5	J * H B	30.0	38.2	H	ug/L		122	42 - 150	35	35
1,4-Dioxane	ND	H	30.0	26.0	H	ug/L		87	10 - 130	23	40
1,2-Diphenylhydrazine (as Azobenzene)	ND	H	30.0	28.5	H	ug/L		95	19 - 162	7	40
Hexachlorobenzene	ND	H	30.0	20.5	H	ug/L		68	45 - 145	6	33
Hexachlorocyclopentadiene	ND	H	30.0	11.8	J H	ug/L		39	10 - 151	5	50
Hexachloroethane	ND	H	30.0	18.5	H	ug/L		62	29 - 130	24	41
Indene	ND	H	30.0	24.5	H	ug/L		82	22 - 130	6	40
Isophorone	ND	H	30.0	24.2	H	ug/L		81	24 - 144	11	33
2-Methylphenol	ND	H	30.0	25.1	H	ug/L		84	22 - 130	7	47
3 & 4 Methylphenol	ND	H	30.0	23.7	H	ug/L		79	31 - 130	1	47
2-Nitroaniline	ND	* H	30.0	28.6	H	ug/L		95	10 - 162	12	33
3-Nitroaniline	ND	H	30.0	17.2	H	ug/L		57	10 - 163	21	39
4-Nitroaniline	ND	H	30.0	20.5	H	ug/L		68	10 - 162	8	50
Nitrobenzene	ND	H	30.0	25.1	H	ug/L		84	34 - 135	7	35
2-Nitrophenol	ND	H	30.0	23.2	H	ug/L		77	27 - 134	7	43
4-Nitrophenol	ND	H	60.0	46.6	H	ug/L		78	10 - 175	9	82
N-Nitrosodimethylamine	ND	* H	30.0	33.6	H	ug/L		112	10 - 139	16	62
N-Nitrosodi-n-propylamine	ND	H	30.0	27.0	H	ug/L		90	13 - 147	5	36
N-Nitrosodiphenylamine	ND	H	30.0	16.7	H	ug/L		56	31 - 150	34	34
Pentachlorophenol	ND	H	60.0	42.5	H	ug/L		71	10 - 180	2	42
Phenol	ND	H	30.0	22.9	H	ug/L		76	23 - 130	4	52

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

Lab Sample ID: 400-124217-3 MSD — **Client Sample ID: MW-23-ROX-070816-MSD**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 316322 — **Prep Batch: 316146**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Pyridine	ND	H	30.0	19.9	H	ug/L		66	10 - 130	14	55
Quinoline	ND	H	30.0	27.2	H	ug/L		91	10 - 180	7	40
2,4,5-Trichlorophenol	ND	H	30.0	22.5	H	ug/L		75	43 - 137	2	42
2,4,6-Trichlorophenol	ND	H	30.0	19.6	H	ug/L		65	42 - 135	0	44

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*70*		*34 - 120*
2-Fluorophenol	*61*		*10 - 120*
Nitrobenzene-d5	*82*		*27 - 120*
Phenol-d5	*75*		*10 - 120*
Terphenyl-d14	*68*		*53 - 125*
2,4,6-Tribromophenol	*53*		*15 - 135*

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

Lab Sample ID: MB 400-314243/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 314193 — **Prep Batch: 314243**

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*47*		*33 - 138*	*07/14/16 09:24*	*07/15/16 02:53*	*1*
2-Fluorobiphenyl	*53*		*15 - 122*	*07/14/16 09:24*	*07/15/16 02:53*	*1*
Nitrobenzene-d5	*54*		*19 - 130*	*07/14/16 09:24*	*07/15/16 02:53*	*1*

Lab Sample ID: LCS 400-314243/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 314193 — **Prep Batch: 314243**

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Terphenyl-d14	*60*		*33 - 138*
2-Fluorobiphenyl	*73*		*15 - 122*
Nitrobenzene-d5	*71*		*19 - 130*

Lab Sample ID: 400-124217-3 MS — **Client Sample ID: MW-23-ROX-070816-MS**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 314392 — **Prep Batch: 314243**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	ND		5.00	1.90		ug/L		38	35 - 113
Acenaphthylene	ND	F1	5.00	1.88	F1	ug/L		38	41 - 118
Anthracene	ND	F1	5.00	1.84	F1	ug/L		37	45 - 122
Benzo[a]anthracene	ND	F1	5.00	1.64	F1	ug/L		33	55 - 133
Benzo[a]pyrene	ND	F1	5.00	1.13	F1	ug/L		23	50 - 108
Benzo[b]fluoranthene	ND	F1	5.00	1.40	F1	ug/L		28	50 - 128
Benzo[g,h,i]perylene	ND	F1	5.00	0.717	F1	ug/L		14	46 - 133
Benzo[k]fluoranthene	ND	F1	5.00	1.25	F1	ug/L		25	52 - 128
Chrysene	ND	F1	5.00	1.59	F1	ug/L		32	52 - 116

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

Lab Sample ID: 400-124217-3 MS
Matrix: Water
Analysis Batch: 314392

Client Sample ID: MW-23-ROX-070816-MS
Prep Type: Total/NA
Prep Batch: 314243

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Dibenz(a,h)anthracene	ND	F1	5.00	0.590	F1	ug/L		12	52 - 143
Fluoranthene	ND		5.00	2.12		ug/L		42	32 - 150
Fluorene	ND		5.00	1.98		ug/L		40	15 - 150
Indeno[1,2,3-cd]pyrene	ND	F1	5.00	0.748	F1	ug/L		15	41 - 141
Phenanthrene	ND		5.00	2.06		ug/L		41	36 - 125
Pyrene	ND	F1	5.00	1.86	F1	ug/L		37	41 - 127
1-Methylnaphthalene	0.033	J	5.00	1.79		ug/L		35	10 - 150
2-Methylnaphthalene	0.039	J	5.00	1.89		ug/L		37	10 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Terphenyl-d14	*30*	*X*	*33 - 138*
2-Fluorobiphenyl	*34*		*15 - 122*
Nitrobenzene-d5	*43*		*19 - 130*

Lab Sample ID: 400-124217-3 MSD
Matrix: Water
Analysis Batch: 314392

Client Sample ID: MW-23-ROX-070816-MSD
Prep Type: Total/NA
Prep Batch: 314243

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	ND		5.00	1.85		ug/L		37	35 - 113	3	49
Acenaphthylene	ND	F1	5.00	1.85	F1	ug/L		37	41 - 118	2	48
Anthracene	ND	F1	5.00	2.38		ug/L		48	45 - 122	26	56
Benzo[a]anthracene	ND	F1	5.00	2.41	F1	ug/L		48	55 - 133	38	57
Benzo[a]pyrene	ND	F1	5.00	1.53	F1	ug/L		31	50 - 108	30	59
Benzo[b]fluoranthene	ND	F1	5.00	1.87	F1	ug/L		37	50 - 128	29	62
Benzo[g,h,i]perylene	ND	F1	5.00	1.00	F1	ug/L		20	46 - 133	33	58
Benzo[k]fluoranthene	ND	F1	5.00	1.73	F1	ug/L		35	52 - 128	32	58
Chrysene	ND	F1	5.00	2.42	F1	ug/L		48	52 - 116	42	59
Dibenz(a,h)anthracene	ND	F1	5.00	0.785	F1	ug/L		16	52 - 143	28	60
Fluoranthene	ND		5.00	3.12		ug/L		62	32 - 150	38	59
Fluorene	ND		5.00	2.32		ug/L		46	15 - 150	16	49
Indeno[1,2,3-cd]pyrene	ND	F1	5.00	1.02	F1	ug/L		20	41 - 141	31	58
Phenanthrene	ND		5.00	2.79		ug/L		56	36 - 125	30	69
Pyrene	ND	F1	5.00	2.80		ug/L		56	41 - 127	40	58
1-Methylnaphthalene	0.033	J	5.00	1.23		ug/L		24	10 - 150	37	66
2-Methylnaphthalene	0.039	J	5.00	1.10		ug/L		21	10 - 150	53	66

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Terphenyl-d14	*43*		*33 - 138*
2-Fluorobiphenyl	*24*		*15 - 122*
Nitrobenzene-d5	*14*	*X*	*19 - 130*

Method: 8011 - EDB and DBCP in Water by Microextraction

Lab Sample ID: MB 400-314555/1-A
Matrix: Water
Analysis Batch: 314609

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 314555

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		07/16/16 11:05	07/16/16 20:31	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		07/16/16 11:05	07/16/16 20:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*		*51 - 149*	*07/16/16 11:05*	*07/16/16 20:31*	*1*

Lab Sample ID: LCS 400-314555/2-A
Matrix: Water
Analysis Batch: 314609

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 314555

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	0.100	0.0966		ug/L		97	60 - 140
1,2-Dibromoethane	0.100	0.115		ug/L		115	60 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*107*		*51 - 149*

Lab Sample ID: 400-124217-3 MS
Matrix: Water
Analysis Batch: 314609

Client Sample ID: MW-23-ROX-070816-MS
Prep Type: Total/NA
Prep Batch: 314555

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	ND		0.104	0.108		ug/L		104	65 - 135
1,2-Dibromoethane	ND		0.104	0.108		ug/L		104	65 - 135

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*91*		*51 - 149*

Lab Sample ID: 400-124217-3 MSD
Matrix: Water
Analysis Batch: 314609

Client Sample ID: MW-23-ROX-070816-MSD
Prep Type: Total/NA
Prep Batch: 314555

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		0.102	0.113		ug/L		111	65 - 135	4	20
1,2-Dibromoethane	ND		0.102	0.102		ug/L		100	65 - 135	6	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*90*		*51 - 149*

(MW-23)

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 # 1364568 (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: 8 July 2016
PO #	GSAP Project ID	PAGE: 1 of 1
60477387 - 1.03.003 / 1.03.0033	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 - 1.03.003 / 1.03.0033

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

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

PHONE NO.:

E-MAIL:

AECOM Other ID

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

SAMPLER NAME(S) (Print): K. WALKOWSKA / 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

REQUESTED ANALYSIS

UNIT COST 60477387 - 1.03.0033

NON-UNIT COST 60477387 - 1.03.003

☐ 1A - RWQCB REPORT FORMAT

DELIVERABLES: ☑ 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

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

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
	TB-ROX-070816-8011-23	7/8/16	0000	Water	2					2	2			
	TB-ROX-070816-8260-23	"	0000	"	2					2			2	
	MW-23-ROX-070816	"	1045	"	4			2		6	2	1	2	1
	MW-23-ROX-070816-MS	"	1045	"	4			2		6	2	1	2	1
	MW-23-ROX-070816-MSD	"	1045	"	4			2		6	2	1	2	1

400-124217 COC

8 July 2016

Relinquished by: (Signature)	Received by: (Signature)	Date: 8 July 2016	Time: 1730
Relinquished by: (Signature)	Received by: (Signature)	Date: 7-9-16	Time: 913
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Ref: S400-56442
Dep:

Date: 20Jun16
Wgt: 10.00 LBS

DV:

Svcs: PRIORITY OVERNIGHT
TRCK: 6546 8386 3922

SHIPPING:	0.00
SPECIAL:	0.00
HANDLING:	0.00
0.00 TOTAL:	0.00

Version: 14Dec15

Custody seals: TestAmerica 783313 / 783315
783314 / 783316

2.4 IR-6

5-VOC 3-PAH 1-EDD

Login Sample Receipt Checklist

Client: AECOM Technical Services Inc.

Job Number: 400-124217-1
SDG Number: 60477387 - 1.03.0033

Login Number: 124217
List Number: 1
Creator: Franklin, Justin H

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	2.4°C IR-6, 1.2°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 (excluding tests with immediate HTs)	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 - 3Q16

TestAmerica Job ID: 400-124217-1
SDG: 60477387 - 1.03.0033

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	06-30-17
Arizona	State Program	9	AZ0710	01-11-17
Arkansas DEQ	State Program	6	88-0689	09-01-16 *
California	ELAP	9	2510	03-31-18
Florida	NELAP	4	E81010	06-30-17
Georgia	State Program	4	N/A	06-30-17
Illinois	NELAP	5	200041	10-09-16
Iowa	State Program	7	367	07-31-16 *
Kansas	NELAP	7	E-10253	10-31-16
Kentucky (UST)	State Program	4	53	06-30-17
Kentucky (WW)	State Program	4	98030	12-31-16
Louisiana	NELAP	6	30976	06-30-17
Maryland	State Program	3	233	09-30-17
Massachusetts	State Program	1	M-FL094	06-30-17
Michigan	State Program	5	9912	05-06-17
New Jersey	NELAP	2	FL006	06-30-17
North Carolina (WW/SW)	State Program	4	314	12-31-16
Oklahoma	State Program	6	9810	08-31-17
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	06-30-17
Texas	NELAP	6	T104704286-15-9	09-30-16
USDA	Federal		P330-16-00172	05-24-19
Virginia	NELAP	3	460166	06-14-17
Washington	State Program	10	C915	05-15-17
West Virginia DEP	State Program	3	136	08-31-16 *

* Certification renewal pending - certification considered valid.

Roxana Groundwater Quarterly – 3rd Quarter 2016 Data Review

Laboratory SDG: 400-124217-1-R1

Data Reviewer: Melissa Mansker

Peer Reviewer: Elizabeth Kunkel

Date Reviewed: 9/13/2016

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

Sample Identification	Sample Identification
TB-ROX-070816-8011-23	TB-ROX-070816-8260-23
MW23-ROX-070816	

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 SVOCs in sample MW23-ROX-070816 were re-extracted 13 days outside of the extraction holding time criteria. Di-n-octyl phthalate was detected in the method blanks. Several SVOC LCS/LCSD recoveries and SVOC LCS/LCSD RPDs were outside evaluation criteria. Several SVOC and PAH surrogate recoveries were outside criteria in matrix spike/matrix spike duplicate MW23-ROX-070816 MS/MSD. Method 8260 VOC, Method 8270 SVOC, and Method 8270_LL PAH MS/MSD recoveries and RPDs were outside evaluation criteria in sample MW23-ROX-070816. These issues are addressed further in the appropriate sections below. Additionally, the laboratory report was revised on September 9, 2016 to include laboratory QC data which had been inadvertently omitted from the initial laboratory report.

Additionally, the initial calibration verification for bromomethane, and the continuing calibration verification for 4-chloro-3-methylphenol, hexachlorobenzene, 2,4-dichlorophenol, 4-bromophenyl phenyl ether, n-nitrosodimethylamine, bis(2-ethylhexyl) phthalate, butyl benzyl phthalate, hexachlorocyclopendatiene, and di-n-octyl phthalate exceeded evaluation criteria. 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 two coolers was received by the laboratory at a temperature of 1.2°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?

No, SVOCs in sample MW23-ROX-070816 and MW23-ROX-070816 MS/MSD were re-extracted 13 days outside of the extraction holding time criteria (7 days) due to only spiking in the low level spikes in the initial extraction. Holding time exceedances were

greater than two times (2X) extraction criteria; therefore SVOCs in sample MW23-ROX-070816 were reported from Run#1, which did not exceed holding time criteria. Please see sections below for qualifications on results reported from Run #1 for SVOC sample MW23-ROX-070816. MW23-ROX-070816 MS/MSD are quality control samples and do not require qualification. No qualification of data due to holding time was required.

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 400-314243/1-A	SVOCs	Di-n-octyl phthalate	1.05 µg/L
MB 400-316146/1-A	SVOCs	Di-n-octyl phthalate	1.22 µg/L

Qualifications due to blank contamination are included in the table below. Analytical data that were reported non-detect or at concentrations greater than five times (5X) the associated blank concentration did not require qualification.

Sample ID	Parameter	Analyte	New Reporting Limit (RL)	Qualification
MW23-ROX-070816 Run #1	SVOCs	Di-n-octyl phthalate	-	**U**

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 400-314243/2-A/3-A	SVOCs	Aniline	**8/3**	**79**	10-145/30
LCS/LCSD 400-314243/2-A/3-A	SVOCs	4-Chloroaniline	38/**27**	**34**	32-128/30
LCS/LCSD 400-314243/2-A/3-A	SVOCs	3-Nitroaniline	59/**49**	17	51-128/30
LCS/LCSD 400-314243/2-A/3-A	SVOCs	Pyridine	**0/0**	**NC**	10-127/30
LCS/LCSD 400-316146/2-A/3-A	SVOCs	Bis(2-ethylhexyl) phthalate	**157/159**	1	62-140/30
LCS/LCSD 400-316146/2-A/3-A	SVOCs	Butyl benzyl phthalate	**155/160**	3	51-150/30
LCS/LCSD 400-316146/2-A/3-A	SVOCs	Di-n-octyl phthalate	**149/149**	0	55-140/30
LCS/LCSD 400-316146/2-A/3-A	SVOCs	2-Nitroaniline	**136/145**	6	52-135/30
LCS/LCSD 400-316146/2-A/3-A	SVOCs	n-Nitrosodimethylamine	**142/146**	2	21-134/30

LCS/LCSD ID	Parameter	Analyte	LCS/LCSD Recovery	RPD	LCS/LCSD /RPD Criteria
LCS/LCSD 400-316146/4-A/5-A	SVOCs	Benzenethiol	47/65	**32**	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. Additionally, LCS/LCSD 400-316146/2-A/3-A/4-A/5-A was associated with Run#2 of sample MW23-ROX-070816; SVOCs in sample MW23-ROX-070816 were reported from Run#1.

Sample ID	Parameter	Analyte	Qualification
MW23-ROX-070816 Run#1	SVOCs	Aniline	**UJ**
MW23-ROX-070816 Run#1	SVOCs	4-Chloroaniline	**UJ**
MW23-ROX-070816 Run#1	SVOCs	3-Nitroaniline	**UJ**
MW23-ROX-070816 Run#1	SVOCs	Pyridine	**UJ**

6.0 Surrogate Recoveries

Were surrogate recoveries within evaluation criteria?

No

Sample ID	Parameter	Surrogate	Recovery (%)	Criteria (%)
MW23-ROX-070816-MS Run #1	SVOCs	Terphenyl-d_{14}	**48**	53-125
MW23-ROX-070816-MSD Run #1	SVOCs	2-Fluorobiphenyl	**21**	34-120
MW23-ROX-070816-MSD Run #1	SVOCs	2-Fluorophenol	**8**	10-120
MW23-ROX-070816-MSD Run #1	SVOCs	Nitrobenzene-d_5	**9**	27-120
MW23-ROX-070816-MSD Run #1	SVOCs	Terphenyl-d_{14}	**48**	53-125
MW23-ROX-070816-MS	PAHs	Terphenyl-d_{14}	**30**	33-138
MW23-ROX-070816-MSD	PAHs	Nitrobenzene-d_5	**14**	19-130

MW23-ROX-070816 MS/MSD are quality control samples, and do not require qualification. 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-070816 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-070816	VOCs	2-Chloroethyl vinyl ether	**0/0**	**NC**	10-160/50

MS/MSD ID	Parameter	Analyte	MS/MSD Recovery (%)	RPD	MS/MSD/ RPD Criteria
MW23-ROX-070816 Run#2	SVOCs	Bis(2-ethylhexyl)phthalate	96/144	**40**	43-160/35
MW23-ROX-070816 Run#2	SVOCs	3,3'-Dichlorobenzidine	**0/0**	**NC**	10-172/58
MW23-ROX-070816	PAHs	Acenaphthylene	**38/37**	2	41-118/48
MW23-ROX-070816	PAHs	Anthracene	**37/**48	26	45-122/56
MW23-ROX-070816	PAHs	Benzo[a]anthracene	**33/48**	38	55-133/57
MW23-ROX-070816	PAHs	Benzo[a]pyrene	**23/31**	30	50-108/59
MW23-ROX-070816	PAHs	Benzo[b]fluoranthene	**28/37**	29	50-128/62
MW23-ROX-070816	PAHs	Benzo[g,h,i]perylene	**14/20**	33	46-133/58
MW23-ROX-070816	PAHs	Benzo[k]fluoranthene	**25/35**	32	52-128/58
MW23-ROX-070816	PAHs	Chrysene	**32/48**	42	52-116/59
MW23-ROX-070816	PAHs	Dibenz(a,h)anthracene	**12/16**	28	52-143/60
MW23-ROX-070816	PAHs	Indeno[1,2,3-cd]pyrene	**15/20**	31	41-141/58
MW23-ROX-070816	PAHs	Pyrene	**37**/56	40	41-127/58

Multiple SVOC MS/MSD recoveries were outside evaluation criteria in MW23-ROX-070816-MS/MSD Run#1. Due to low spiking concentrations used in SVOC MW23-ROX-070816-MS/MSD Run#1, only the properly spiked MW23-ROX-070816-MS/MSD Run#2 was used to evaluate MS/MSD recoveries. Please see section 5.0 of this review for qualifications based on LCS/LCSD; 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

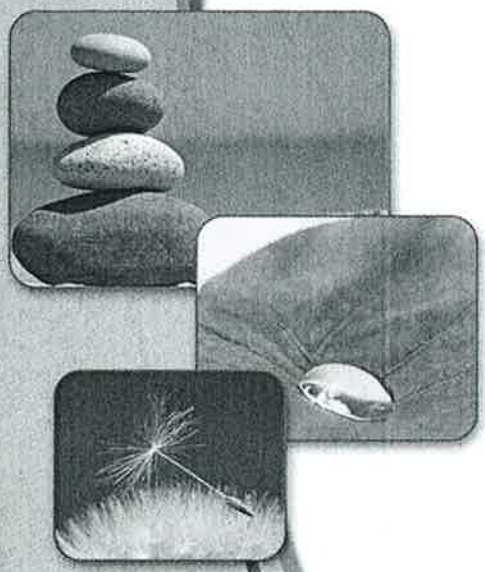
For samples that were diluted and nondetect, were undiluted results also reported?

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: 400-124218-1
TestAmerica Sample Delivery Group: 60477387 - 1.03.0033
Client Project/Site: ROXANA QUARTERLY GW - 3Q16
Revision: 1

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

Attn: Mrs. Elizabeth Kunkel

Carolyn W. Hooper

Authorized for release by:
9/13/2016 10:40:34 AM

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LINKS

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Reviewed 9/13/2016

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: 400-124218-1

Laboratory: TestAmerica Pensacola

Narrative

Job Narrative
400-124218-1

Receipt
The samples were received on 7/9/2016 9:15 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 1.2°C and 2.4°C.

GC/MS VOA
Method 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-314166 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 314166 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 samples were received preserved with hydrochloric acid: TB-ROX-070816R-8260 (400-124218-1), MW3-ROX-070816 (400-124218-3) and MW5-ROX-070816 (400-124218-4). The requested target analyte list include 2-chloroethyl vinyl ether, Acrolein and Acrylonitrile, which are acid-labile compounds that degrade in an acidic medium.

The initial calibration verification (ICV) analyzed in batch 400-313890 was outside method criteria for the following analyte: bromomethane. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

GC/MS Semi VOA
Method 8270D: The continuing calibration verification (CCV) associated with batch 400-316101 recovered above the upper control limit for 4-Chloro-3-methylphenol, Hexachlorobenzene, 2,4-Dichlorophenol and 4-Bromophenyl phenyl ether. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: MW3-ROX-070816 (400-124218-3) and MW5-ROX-070816 (400-124218-4).

The following analytes recovered outside control limits for the LCS associated with preparation batch 400-314243 and analytical batch 400-316101: Aniline and Pyridine. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.

Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base 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: MW5-ROX-070816 (400-124218-4). These results have been reported and qualified.

The continuing calibration verification (CCV) associated with batch 400-316322 recovered above the upper control limit for N-Nitrosodimethylamine, Bis(2-ethylhexyl) phthalate, Butyl benzyl phthalate, Hexachlorocyclopentadiene and Di-n-octyl phthalate. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: MW3-ROX-070816 (400-124218-3) and MW5-ROX-070816 (400-124218-4).

The method blank for preparation batch 400-316146 and analytical batch 400-316322 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 %RPD of the laboratory control sample (LCS) and laboratory control standard duplicate (LCSD) for preparation batch 400-316146 recovered outside control limits for the following analytes: Benzenethiol.

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 400-316146 and analytical batch 400-316322 recovered outside control limits for the following analytes: 2-Nitroaniline, Bis(2-ethylhexyl) phthalate, Butyl benzyl phthalate, Di-n-octyl phthalate and N-Nitrosodimethylamine. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Job ID: 400-124218-1 (Continued)

Laboratory: TestAmerica Pensacola (Continued)

The following samples were re-prepared outside of preparation holding time. The original extraction was done using low level surrogates and multiple spikes were omitted . Both sets of data have been reported. MW3-ROX-070816 (400-124218-3) and MW5-ROX-070816 (400-124218-4).

Method 8270D LL: The continuing calibration verification (CCV) associated with batch 400-314468 recovered outside acceptance criteria, low biased, for Dibenz(a,h)anthracene. 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.

Revision 1
This report has been revised to re-link the Semi-Volatiles LCS 400-316146/2-A that were inadvertently missing from the original report. Please note, the LCSD 400-314243/3-A was spiked at the wrong concentration and was not needed for this job due to MS/MSDs have been provided. LCSD 400-314243/3-A remains referenced due to use in another job.

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 - 3Q16

TestAmerica Job ID: 400-124218-1
SDG: 60477387 - 1.03.0033

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-124218-1	TB-ROX-070816R-8260	Water	07/08/16 00:00	07/09/16 09:15
400-124218-2	TB-ROX-070818R-8011	Water	07/08/16 00:00	07/09/16 09:15
400-124218-3	MW3-ROX-070816	Water	07/08/16 12:35	07/09/16 09:15
400-124218-4	MW5-ROX-070816	Water	07/08/16 13:50	07/09/16 09:15

Detection Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 3Q16

TestAmerica Job ID: 400-124218-1
SDG: 60477387 - 1.03.0033

Client Sample ID: TB-ROX-070816R-8260 — Lab Sample ID: 400-124218-1

No Detections.

Client Sample ID: TB-ROX-070818R-8011 — Lab Sample ID: 400-124218-2

No Detections.

Client Sample ID: MW3-ROX-070816 — Lab Sample ID: 400-124218-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	30		25	10	ug/L	1		8260B	Total/NA
Benzene	0.42	J	1.0	0.38	ug/L	1		8260B	Total/NA
2-Butanone (MEK)	4.7	J	25	2.6	ug/L	1		8260B	Total/NA
Ethylbenzene	1.2		1.0	0.50	ug/L	1		8260B	Total/NA
Isopropylbenzene	16		1.0	0.53	ug/L	1		8260B	Total/NA
Methyl tert-butyl ether	5.4		1.0	0.74	ug/L	1		8260B	Total/NA
m-Xylene & p-Xylene	76		5.0	1.6	ug/L	1		8260B	Total/NA
N-Propylbenzene	34		1.0	0.69	ug/L	1		8260B	Total/NA
o-Xylene	4.2	J	5.0	0.60	ug/L	1		8260B	Total/NA
sec-Butylbenzene	0.92	J	1.0	0.70	ug/L	1		8260B	Total/NA
tert-Butylbenzene	1.1		1.0	0.63	ug/L	1		8260B	Total/NA
Toluene	14		1.0	0.70	ug/L	1		8260B	Total/NA
1,3,5-Trimethylbenzene	0.62	J	1.0	0.56	ug/L	1		8260B	Total/NA
Xylenes, Total	80		10	1.6	ug/L	1		8260B	Total/NA
1-Methylnaphthalene	0.44		0.20	0.020	ug/L	1		8270D LL	Total/NA
2-Methylnaphthalene	0.29		0.20	0.020	ug/L	1		8270D LL	Total/NA
Di-n-octyl phthalate	~~1.3~~	J B u	10	0.44	ug/L	1		8270D	Total/NA
Di-n-octyl phthalate	1.1	J * H B	10	0.44	ug/L	1		8270D	Total/NA
Pentachlorophenol	1.8	J H	20	1.8	ug/L	1		8270D	Total/NA

Client Sample ID: MW5-ROX-070816 — Lab Sample ID: 400-124218-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	11	J	25	10	ug/L	1		8260B	Total/NA
Isopropylbenzene	1.0		1.0	0.53	ug/L	1		8260B	Total/NA
Methyl tert-butyl ether	8.4		1.0	0.74	ug/L	1		8260B	Total/NA
m-Xylene & p-Xylene	1.7	J	5.0	1.6	ug/L	1		8260B	Total/NA
tert-Butylbenzene	3.0		1.0	0.63	ug/L	1		8260B	Total/NA
Xylenes, Total	2.1	J	10	1.6	ug/L	1		8260B	Total/NA
Di-n-octyl phthalate	~~0.82~~	J B u	10	0.44	ug/L	1		8270D	Total/NA
Di-n-octyl phthalate	1.0	J * H B	10	0.44	ug/L	1		8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: TB-ROX-070816R-8260

Date Collected: 07/08/16 00:00
Date Received: 07/09/16 09:15

Lab Sample ID: 400-124218-1

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			07/13/16 22:43	1
Acrolein	ND		20	10	ug/L			07/13/16 22:43	1
Acrylonitrile	ND		10	2.8	ug/L			07/13/16 22:43	1
Benzene	ND		1.0	0.38	ug/L			07/13/16 22:43	1
Bromobenzene	ND		1.0	0.54	ug/L			07/13/16 22:43	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/13/16 22:43	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/13/16 22:43	1
Bromoform	ND		5.0	0.71	ug/L			07/13/16 22:43	1
Bromomethane	ND		1.0	0.98	ug/L			07/13/16 22:43	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/13/16 22:43	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/13/16 22:43	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			07/13/16 22:43	1
Chlorobenzene	ND		1.0	0.50	ug/L			07/13/16 22:43	1
Dibromochloromethane	ND		1.0	0.50	ug/L			07/13/16 22:43	1
Chloroethane	ND		1.0	0.76	ug/L			07/13/16 22:43	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/13/16 22:43	1
Chloroform	ND		1.0	0.60	ug/L			07/13/16 22:43	1
1-Chlorohexane	ND		1.0	0.70	ug/L			07/13/16 22:43	1
Chloromethane	ND		1.0	0.83	ug/L			07/13/16 22:43	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/13/16 22:43	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/13/16 22:43	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/13/16 22:43	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/13/16 22:43	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/13/16 22:43	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/13/16 22:43	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/13/16 22:43	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			07/13/16 22:43	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/13/16 22:43	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/13/16 22:43	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/13/16 22:43	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/13/16 22:43	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			07/13/16 22:43	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/13/16 22:43	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/13/16 22:43	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/13/16 22:43	1
2-Hexanone	ND		25	3.1	ug/L			07/13/16 22:43	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/13/16 22:43	1
Methylene bromide	ND		5.0	0.59	ug/L			07/13/16 22:43	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/13/16 22:43	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/13/16 22:43	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			07/13/16 22:43	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			07/13/16 22:43	1
Naphthalene	ND		1.0	1.0	ug/L			07/13/16 22:43	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/13/16 22:43	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/13/16 22:43	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/13/16 22:43	1
o-Xylene	ND		5.0	0.60	ug/L			07/13/16 22:43	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/13/16 22:43	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/13/16 22:43	1

Client Sample ID: TB-ROX-070816R-8260
Date Collected: 07/08/16 00:00
Date Received: 07/09/16 09:15

Lab Sample ID: 400-124218-1
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			07/13/16 22:43	1
Styrene	ND		1.0	1.0	ug/L			07/13/16 22:43	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/13/16 22:43	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			07/13/16 22:43	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/13/16 22:43	1
Tetrachloroethene	ND		1.0	0.58	ug/L			07/13/16 22:43	1
Toluene	ND		1.0	0.70	ug/L			07/13/16 22:43	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/13/16 22:43	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/13/16 22:43	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			07/13/16 22:43	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/13/16 22:43	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			07/13/16 22:43	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			07/13/16 22:43	1
Trichloroethene	ND		1.0	0.50	ug/L			07/13/16 22:43	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			07/13/16 22:43	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/13/16 22:43	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/13/16 22:43	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/13/16 22:43	1
Vinyl acetate	ND		25	2.0	ug/L			07/13/16 22:43	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/13/16 22:43	1
Xylenes, Total	ND		10	1.6	ug/L			07/13/16 22:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*78 - 118*		*07/13/16 22:43*	*1*
Dibromofluoromethane	*103*		*81 - 121*		*07/13/16 22:43*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*07/13/16 22:43*	*1*

Client Sample ID: TB-ROX-070818R-8011

Date Collected: 07/08/16 00:00
Date Received: 07/09/16 09:15

Lab Sample ID: 400-124218-2

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		0.029	0.0053	ug/L		07/16/16 11:14	07/18/16 10:48	1
1,2-Dibromoethane	ND		0.019	0.0048	ug/L		07/16/16 11:14	07/18/16 10:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*51 - 149*	*07/16/16 11:14*	*07/18/16 10:48*	*1*

Client Sample ID: MW3-ROX-070816

Date Collected: 07/08/16 12:35
Date Received: 07/09/16 09:15

Lab Sample ID: 400-124218-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**30**		25	10	ug/L			07/13/16 23:10	1
Acrolein	ND		20	10	ug/L			07/13/16 23:10	1
Acrylonitrile	ND		10	2.8	ug/L			07/13/16 23:10	1
Benzene	**0.42**	**J**	1.0	0.38	ug/L			07/13/16 23:10	1
Bromobenzene	ND		1.0	0.54	ug/L			07/13/16 23:10	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/13/16 23:10	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/13/16 23:10	1
Bromoform	ND		5.0	0.71	ug/L			07/13/16 23:10	1
Bromomethane	ND		1.0	0.98	ug/L			07/13/16 23:10	1
2-Butanone (MEK)	**4.7**	**J**	25	2.6	ug/L			07/13/16 23:10	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/13/16 23:10	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			07/13/16 23:10	1
Chlorobenzene	ND		1.0	0.50	ug/L			07/13/16 23:10	1
Dibromochloromethane	ND		1.0	0.50	ug/L			07/13/16 23:10	1
Chloroethane	ND		1.0	0.76	ug/L			07/13/16 23:10	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/13/16 23:10	1
Chloroform	ND		1.0	0.60	ug/L			07/13/16 23:10	1
1-Chlorohexane	ND		1.0	0.70	ug/L			07/13/16 23:10	1
Chloromethane	ND		1.0	0.83	ug/L			07/13/16 23:10	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/13/16 23:10	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/13/16 23:10	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/13/16 23:10	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/13/16 23:10	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/13/16 23:10	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/13/16 23:10	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/13/16 23:10	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			07/13/16 23:10	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/13/16 23:10	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/13/16 23:10	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/13/16 23:10	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/13/16 23:10	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			07/13/16 23:10	1
Ethylbenzene	**1.2**		1.0	0.50	ug/L			07/13/16 23:10	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/13/16 23:10	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/13/16 23:10	1
2-Hexanone	ND		25	3.1	ug/L			07/13/16 23:10	1
Isopropylbenzene	**16**		1.0	0.53	ug/L			07/13/16 23:10	1
Methylene bromide	ND		5.0	0.59	ug/L			07/13/16 23:10	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/13/16 23:10	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/13/16 23:10	1
Methyl tert-butyl ether	**5.4**		1.0	0.74	ug/L			07/13/16 23:10	1
m-Xylene & p-Xylene	**76**		5.0	1.6	ug/L			07/13/16 23:10	1
Naphthalene	ND		1.0	1.0	ug/L			07/13/16 23:10	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/13/16 23:10	1
N-Propylbenzene	**34**		1.0	0.69	ug/L			07/13/16 23:10	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/13/16 23:10	1
o-Xylene	**4.2**	**J**	5.0	0.60	ug/L			07/13/16 23:10	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/13/16 23:10	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/13/16 23:10	1

Client Sample ID: MW3-ROX-070816
Date Collected: 07/08/16 12:35
Date Received: 07/09/16 09:15

Lab Sample ID: 400-124218-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	**0.92**	**J**	1.0	0.70	ug/L			07/13/16 23:10	1
Styrene	ND		1.0	1.0	ug/L			07/13/16 23:10	1
tert-Butylbenzene	**1.1**		1.0	0.63	ug/L			07/13/16 23:10	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			07/13/16 23:10	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/13/16 23:10	1
Tetrachloroethene	ND		1.0	0.58	ug/L			07/13/16 23:10	1
Toluene	**14**		1.0	0.70	ug/L			07/13/16 23:10	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/13/16 23:10	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/13/16 23:10	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			07/13/16 23:10	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/13/16 23:10	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			07/13/16 23:10	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			07/13/16 23:10	1
Trichloroethene	ND		1.0	0.50	ug/L			07/13/16 23:10	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			07/13/16 23:10	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/13/16 23:10	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/13/16 23:10	1
1,3,5-Trimethylbenzene	**0.62**	**J**	1.0	0.56	ug/L			07/13/16 23:10	1
Vinyl acetate	ND		25	2.0	ug/L			07/13/16 23:10	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/13/16 23:10	1
Xylenes, Total	**80**		10	1.6	ug/L			07/13/16 23:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*78 - 118*		*07/13/16 23:10*	*1*
Dibromofluoromethane	*104*		*81 - 121*		*07/13/16 23:10*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*07/13/16 23:10*	*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		07/14/16 09:24	07/15/16 20:41	1
Acenaphthylene	ND		0.20	0.020	ug/L		07/14/16 09:24	07/15/16 20:41	1
Anthracene	ND		0.20	0.020	ug/L		07/14/16 09:24	07/15/16 20:41	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/14/16 09:24	07/15/16 20:41	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		07/14/16 09:24	07/15/16 20:41	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		07/14/16 09:24	07/15/16 20:41	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		07/14/16 09:24	07/15/16 20:41	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/14/16 09:24	07/15/16 20:41	1
Chrysene	ND		0.20	0.040	ug/L		07/14/16 09:24	07/15/16 20:41	1
Dibenz(a,h)anthracene	ND	UJ	0.20	0.040	ug/L		07/14/16 09:24	07/15/16 20:41	1
Fluoranthene	ND		0.20	0.020	ug/L		07/14/16 09:24	07/15/16 20:41	1
Fluorene	ND		0.20	0.021	ug/L		07/14/16 09:24	07/15/16 20:41	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		07/14/16 09:24	07/15/16 20:41	1
Phenanthrene	ND		0.20	0.020	ug/L		07/14/16 09:24	07/15/16 20:41	1
Pyrene	ND		0.20	0.020	ug/L		07/14/16 09:24	07/15/16 20:41	1
1-Methylnaphthalene	**0.44**		0.20	0.020	ug/L		07/14/16 09:24	07/15/16 20:41	1
2-Methylnaphthalene	**0.29**		0.20	0.020	ug/L		07/14/16 09:24	07/15/16 20:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*33*		*33 - 138*	*07/14/16 09:24*	*07/15/16 20:41*	*1*
2-Fluorobiphenyl	*40*		*15 - 122*	*07/14/16 09:24*	*07/15/16 20:41*	*1*

Client Sample ID: MW3-ROX-070816

Date Collected: 07/08/16 12:35
Date Received: 07/09/16 09:15

Lab Sample ID: 400-124218-3

Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	40		19 - 130	07/14/16 09:24	07/15/16 20:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND	* UJ	10	3.8	ug/L		07/14/16 09:24	07/28/16 15:12	1
Aniline	ND	H	10	3.8	ug/L		07/28/16 11:26	07/29/16 21:36	1
Benzenethiol	ND		10	1.7	ug/L		07/14/16 09:24	07/28/16 15:12	1
Benzenethiol	ND	H *	10	1.7	ug/L		07/28/16 11:26	07/29/16 21:36	1
Benzoic acid	ND		30	7.3	ug/L		07/14/16 09:24	07/28/16 15:12	1
Benzoic acid	ND	H	30	7.3	ug/L		07/28/16 11:26	07/29/16 21:36	1
Benzyl alcohol	ND		10	2.0	ug/L		07/14/16 09:24	07/28/16 15:12	1
Benzyl alcohol	ND	H	10	2.0	ug/L		07/28/16 11:26	07/29/16 21:36	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		07/14/16 09:24	07/28/16 15:12	1
Bis(2-chloroethoxy)methane	ND	H	10	0.69	ug/L		07/28/16 11:26	07/29/16 21:36	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		07/14/16 09:24	07/28/16 15:12	1
Bis(2-chloroethyl)ether	ND	H	10	0.74	ug/L		07/28/16 11:26	07/29/16 21:36	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		07/14/16 09:24	07/28/16 15:12	1
bis (2-chloroisopropyl) ether	ND	H	10	0.81	ug/L		07/28/16 11:26	07/29/16 21:36	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		07/14/16 09:24	07/28/16 15:12	1
Bis(2-ethylhexyl) phthalate	ND	* H	10	2.3	ug/L		07/28/16 11:26	07/29/16 21:36	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		07/14/16 09:24	07/28/16 15:12	1
4-Bromophenyl phenyl ether	ND	H	10	0.32	ug/L		07/28/16 11:26	07/29/16 21:36	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		07/14/16 09:24	07/28/16 15:12	1
Butyl benzyl phthalate	ND	* H	10	0.69	ug/L		07/28/16 11:26	07/29/16 21:36	1
4-Chloroaniline	ND	*	10	3.4	ug/L		07/14/16 09:24	07/28/16 15:12	1
4-Chloroaniline	ND	H	10	3.4	ug/L		07/28/16 11:26	07/29/16 21:36	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		07/14/16 09:24	07/28/16 15:12	1
4-Chloro-3-methylphenol	ND	H	10	3.8	ug/L		07/28/16 11:26	07/29/16 21:36	1
2-Chloronaphthalene	ND		10	0.52	ug/L		07/14/16 09:24	07/28/16 15:12	1
2-Chloronaphthalene	ND	H	10	0.52	ug/L		07/28/16 11:26	07/29/16 21:36	1
2-Chlorophenol	ND		10	2.2	ug/L		07/14/16 09:24	07/28/16 15:12	1
2-Chlorophenol	ND	H	10	2.2	ug/L		07/28/16 11:26	07/29/16 21:36	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		07/14/16 09:24	07/28/16 15:12	1
4-Chlorophenyl phenyl ether	ND	H	10	2.0	ug/L		07/28/16 11:26	07/29/16 21:36	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		07/14/16 09:24	07/28/16 15:12	1
Dibenz[a,h]acridine	ND	H	10	3.0	ug/L		07/28/16 11:26	07/29/16 21:36	1
Dibenzofuran	ND		10	0.52	ug/L		07/14/16 09:24	07/28/16 15:12	1
Dibenzofuran	ND	H	10	0.52	ug/L		07/28/16 11:26	07/29/16 21:36	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		07/14/16 09:24	07/28/16 15:12	1
3,3'-Dichlorobenzidine	ND	H	10	2.6	ug/L		07/28/16 11:26	07/29/16 21:36	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		07/14/16 09:24	07/28/16 15:12	1
2,4-Dichlorophenol	ND	H	10	3.0	ug/L		07/28/16 11:26	07/29/16 21:36	1
Diethyl phthalate	ND		10	0.70	ug/L		07/14/16 09:24	07/28/16 15:12	1
Diethyl phthalate	ND	H	10	0.70	ug/L		07/28/16 11:26	07/29/16 21:36	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		07/14/16 09:24	07/28/16 15:12	1
2,4-Dimethylphenol	ND	H	10	3.5	ug/L		07/28/16 11:26	07/29/16 21:36	1
Dimethyl phthalate	ND		10	0.60	ug/L		07/14/16 09:24	07/28/16 15:12	1
Dimethyl phthalate	ND	H	10	0.60	ug/L		07/28/16 11:26	07/29/16 21:36	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		07/14/16 09:24	07/28/16 15:12	1

Client Sample ID: MW3-ROX-070816
Date Collected: 07/08/16 12:35
Date Received: 07/09/16 09:15

Lab Sample ID: 400-124218-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-butyl phthalate	ND	H	10	2.7	ug/L		07/28/16 11:26	07/29/16 21:36	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/14/16 09:24	07/28/16 15:12	1
4,6-Dinitro-ortho-cresol	ND	H *	10	2.0	ug/L		07/28/16 11:26	07/29/16 21:36	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		07/14/16 09:24	07/28/16 15:12	1
2,4-Dinitrophenol	ND	H	30	3.4	ug/L		07/28/16 11:26	07/29/16 21:36	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		07/14/16 09:24	07/28/16 15:12	1
2,4-Dinitrotoluene	ND	H	10	1.9	ug/L		07/28/16 11:26	07/29/16 21:36	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		07/14/16 09:24	07/28/16 15:12	1
2,6-Dinitrotoluene	ND	H	10	1.9	ug/L		07/28/16 11:26	07/29/16 21:36	1
Di-n-octyl phthalate	~~1.3~~	J B U	10	0.44	ug/L		07/14/16 09:24	07/28/16 15:12	1
Di-n-octyl phthalate	**1.1**	**J * H B**	10	0.44	ug/L		07/28/16 11:26	07/29/16 21:36	1
1,4-Dioxane	ND		10	1.0	ug/L		07/14/16 09:24	07/28/16 15:12	1
1,4-Dioxane	ND	H	10	1.0	ug/L		07/28/16 11:26	07/29/16 21:36	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		07/14/16 09:24	07/28/16 15:12	1
1,2-Diphenylhydrazine (as Azobenzene)	ND	H	10	1.0	ug/L		07/28/16 11:26	07/29/16 21:36	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/14/16 09:24	07/28/16 15:12	1
Hexachlorobenzene	ND	H	10	0.25	ug/L		07/28/16 11:26	07/29/16 21:36	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		07/14/16 09:24	07/28/16 15:12	1
Hexachlorocyclopentadiene	ND	H	20	2.6	ug/L		07/28/16 11:26	07/29/16 21:36	1
Hexachloroethane	ND		10	4.2	ug/L		07/14/16 09:24	07/28/16 15:12	1
Hexachloroethane	ND	H	10	4.2	ug/L		07/28/16 11:26	07/29/16 21:36	1
Indene	ND		10	1.0	ug/L		07/14/16 09:24	07/28/16 15:12	1
Indene	ND	H	10	1.0	ug/L		07/28/16 11:26	07/29/16 21:36	1
Isophorone	ND		10	0.57	ug/L		07/14/16 09:24	07/28/16 15:12	1
Isophorone	ND	H	10	0.57	ug/L		07/28/16 11:26	07/29/16 21:36	1
2-Methylphenol	ND		10	1.8	ug/L		07/14/16 09:24	07/28/16 15:12	1
2-Methylphenol	ND	H	10	1.8	ug/L		07/28/16 11:26	07/29/16 21:36	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		07/14/16 09:24	07/28/16 15:12	1
3 & 4 Methylphenol	ND	H	20	1.0	ug/L		07/28/16 11:26	07/29/16 21:36	1
2-Nitroaniline	ND		10	2.2	ug/L		07/14/16 09:24	07/28/16 15:12	1
2-Nitroaniline	ND	* H	10	2.2	ug/L		07/28/16 11:26	07/29/16 21:36	1
3-Nitroaniline	ND	*	10	1.8	ug/L		07/14/16 09:24	07/28/16 15:12	1
3-Nitroaniline	ND	H	10	1.8	ug/L		07/28/16 11:26	07/29/16 21:36	1
4-Nitroaniline	ND		10	2.5	ug/L		07/14/16 09:24	07/28/16 15:12	1
4-Nitroaniline	ND	H	10	2.5	ug/L		07/28/16 11:26	07/29/16 21:36	1
Nitrobenzene	ND		10	0.55	ug/L		07/14/16 09:24	07/28/16 15:12	1
Nitrobenzene	ND	H	10	0.55	ug/L		07/28/16 11:26	07/29/16 21:36	1
2-Nitrophenol	ND		10	0.65	ug/L		07/14/16 09:24	07/28/16 15:12	1
2-Nitrophenol	ND	H	10	0.65	ug/L		07/28/16 11:26	07/29/16 21:36	1
4-Nitrophenol	ND		10	2.1	ug/L		07/14/16 09:24	07/28/16 15:12	1
4-Nitrophenol	ND	H	10	2.1	ug/L		07/28/16 11:26	07/29/16 21:36	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		07/14/16 09:24	07/28/16 15:12	1
N-Nitrosodimethylamine	ND	* H	10	3.5	ug/L		07/28/16 11:26	07/29/16 21:36	1
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		07/14/16 09:24	07/28/16 15:12	1
N-Nitrosodi-n-propylamine	ND	H	10	3.3	ug/L		07/28/16 11:26	07/29/16 21:36	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		07/14/16 09:24	07/28/16 15:12	1
N-Nitrosodiphenylamine	ND	H	10	0.47	ug/L		07/28/16 11:26	07/29/16 21:36	1
Pentachlorophenol	ND		20	1.8	ug/L		07/14/16 09:24	07/28/16 15:12	1

Client Sample ID: MW3-ROX-070816

Lab Sample ID: 400-124218-3

Date Collected: 07/08/16 12:35
Date Received: 07/09/16 09:15

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	**1.8**	**J H**	20	1.8	ug/L		07/28/16 11:26	07/29/16 21:36	1
Phenol	ND		10	2.6	ug/L		07/14/16 09:24	07/28/16 15:12	1
Phenol	ND	H	10	2.6	ug/L		07/28/16 11:26	07/29/16 21:36	1
Pyridine	ND	* UJ	10	3.2	ug/L		07/14/16 09:24	07/28/16 15:12	1
Pyridine	ND	H	10	3.2	ug/L		07/28/16 11:26	07/29/16 21:36	1
Quinoline	ND		10	6.0	ug/L		07/14/16 09:24	07/28/16 15:12	1
Quinoline	ND	H	10	6.0	ug/L		07/28/16 11:26	07/29/16 21:36	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		07/14/16 09:24	07/28/16 15:12	1
2,4,5-Trichlorophenol	ND	H	10	3.7	ug/L		07/28/16 11:26	07/29/16 21:36	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		07/14/16 09:24	07/28/16 15:12	1
2,4,6-Trichlorophenol	ND	H	10	3.5	ug/L		07/28/16 11:26	07/29/16 21:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*48*		*34 - 120*	*07/14/16 09:24*	*07/28/16 15:12*	*1*
2-Fluorobiphenyl	*74*		*34 - 120*	*07/28/16 11:26*	*07/29/16 21:36*	*1*
2-Fluorophenol	*46*		*10 - 120*	*07/14/16 09:24*	*07/28/16 15:12*	*1*
2-Fluorophenol	*56*		*10 - 120*	*07/28/16 11:26*	*07/29/16 21:36*	*1*
Nitrobenzene-d5	*57*		*27 - 120*	*07/14/16 09:24*	*07/28/16 15:12*	*1*
Nitrobenzene-d5	*86*		*27 - 120*	*07/28/16 11:26*	*07/29/16 21:36*	*1*
Phenol-d5	*52*		*10 - 120*	*07/14/16 09:24*	*07/28/16 15:12*	*1*
Phenol-d5	*71*		*10 - 120*	*07/28/16 11:26*	*07/29/16 21:36*	*1*
Terphenyl-d14	*59*		*53 - 125*	*07/14/16 09:24*	*07/28/16 15:12*	*1*
Terphenyl-d14	*67*		*53 - 125*	*07/28/16 11:26*	*07/29/16 21:36*	*1*
2,4,6-Tribromophenol	*64*		*15 - 135*	*07/14/16 09:24*	*07/28/16 15:12*	*1*
2,4,6-Tribromophenol	*50*		*15 - 135*	*07/28/16 11:26*	*07/29/16 21:36*	*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		07/16/16 11:14	07/18/16 11:17	1
1,2-Dibromoethane	ND		0.021	0.0052	ug/L		07/16/16 11:14	07/18/16 11:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*72*	*p*	*51 - 149*	*07/16/16 11:14*	*07/18/16 11:17*	*1*

Client Sample ID: MW5-ROX-070816

Date Collected: 07/08/16 13:50
Date Received: 07/09/16 09:15

Lab Sample ID: 400-124218-4

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			07/13/16 23:38	1
Acrolein	ND		20	10	ug/L			07/13/16 23:38	1
Acrylonitrile	ND		10	2.8	ug/L			07/13/16 23:38	1
Benzene	ND		1.0	0.38	ug/L			07/13/16 23:38	1
Bromobenzene	ND		1.0	0.54	ug/L			07/13/16 23:38	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/13/16 23:38	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/13/16 23:38	1
Bromoform	ND		5.0	0.71	ug/L			07/13/16 23:38	1
Bromomethane	ND		1.0	0.98	ug/L			07/13/16 23:38	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/13/16 23:38	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/13/16 23:38	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			07/13/16 23:38	1
Chlorobenzene	ND		1.0	0.50	ug/L			07/13/16 23:38	1
Dibromochloromethane	ND		1.0	0.50	ug/L			07/13/16 23:38	1
Chloroethane	ND		1.0	0.76	ug/L			07/13/16 23:38	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/13/16 23:38	1
Chloroform	ND		1.0	0.60	ug/L			07/13/16 23:38	1
1-Chlorohexane	ND		1.0	0.70	ug/L			07/13/16 23:38	1
Chloromethane	ND		1.0	0.83	ug/L			07/13/16 23:38	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/13/16 23:38	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/13/16 23:38	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/13/16 23:38	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/13/16 23:38	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/13/16 23:38	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/13/16 23:38	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/13/16 23:38	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			07/13/16 23:38	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/13/16 23:38	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/13/16 23:38	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/13/16 23:38	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/13/16 23:38	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			07/13/16 23:38	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/13/16 23:38	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/13/16 23:38	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/13/16 23:38	1
2-Hexanone	ND		25	3.1	ug/L			07/13/16 23:38	1
Isopropylbenzene	**1.0**		1.0	0.53	ug/L			07/13/16 23:38	1
Methylene bromide	ND		5.0	0.59	ug/L			07/13/16 23:38	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/13/16 23:38	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/13/16 23:38	1
Methyl tert-butyl ether	**8.4**		1.0	0.74	ug/L			07/13/16 23:38	1
m-Xylene & p-Xylene	**1.7**	**J**	5.0	1.6	ug/L			07/13/16 23:38	1
Naphthalene	ND		1.0	1.0	ug/L			07/13/16 23:38	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/13/16 23:38	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/13/16 23:38	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/13/16 23:38	1
o-Xylene	ND		5.0	0.60	ug/L			07/13/16 23:38	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/13/16 23:38	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/13/16 23:38	1

Client Sample ID: MW5-ROX-070816
Date Collected: 07/08/16 13:50
Date Received: 07/09/16 09:15

Lab Sample ID: 400-124218-4
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			07/13/16 23:38	1
Styrene	ND		1.0	1.0	ug/L			07/13/16 23:38	1
tert-Butylbenzene	**3.0**		1.0	0.63	ug/L			07/13/16 23:38	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			07/13/16 23:38	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/13/16 23:38	1
Tetrachloroethene	ND		1.0	0.58	ug/L			07/13/16 23:38	1
Toluene	ND		1.0	0.70	ug/L			07/13/16 23:38	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/13/16 23:38	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/13/16 23:38	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			07/13/16 23:38	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/13/16 23:38	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			07/13/16 23:38	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			07/13/16 23:38	1
Trichloroethene	ND		1.0	0.50	ug/L			07/13/16 23:38	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			07/13/16 23:38	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/13/16 23:38	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/13/16 23:38	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/13/16 23:38	1
Vinyl acetate	ND		25	2.0	ug/L			07/13/16 23:38	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/13/16 23:38	1
Xylenes, Total	**2.1**	**J**	10	1.6	ug/L			07/13/16 23:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*78 - 118*		*07/13/16 23:38*	*1*
Dibromofluoromethane	*104*		*81 - 121*		*07/13/16 23:38*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*07/13/16 23:38*	*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		07/14/16 09:24	07/15/16 21:07	1
Acenaphthylene	ND		0.20	0.020	ug/L		07/14/16 09:24	07/15/16 21:07	1
Anthracene	ND		0.20	0.020	ug/L		07/14/16 09:24	07/15/16 21:07	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/14/16 09:24	07/15/16 21:07	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		07/14/16 09:24	07/15/16 21:07	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		07/14/16 09:24	07/15/16 21:07	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		07/14/16 09:24	07/15/16 21:07	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/14/16 09:24	07/15/16 21:07	1
Chrysene	ND		0.20	0.040	ug/L		07/14/16 09:24	07/15/16 21:07	1
Dibenz(a,h)anthracene	ND	UJ	0.20	0.040	ug/L		07/14/16 09:24	07/15/16 21:07	1
Fluoranthene	ND		0.20	0.020	ug/L		07/14/16 09:24	07/15/16 21:07	1
Fluorene	ND		0.20	0.021	ug/L		07/14/16 09:24	07/15/16 21:07	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		07/14/16 09:24	07/15/16 21:07	1
Phenanthrene	ND		0.20	0.020	ug/L		07/14/16 09:24	07/15/16 21:07	1
Pyrene	ND		0.20	0.020	ug/L		07/14/16 09:24	07/15/16 21:07	1
1-Methylnaphthalene	ND		0.20	0.020	ug/L		07/14/16 09:24	07/15/16 21:07	1
2-Methylnaphthalene	ND		0.20	0.020	ug/L		07/14/16 09:24	07/15/16 21:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*30*	*X*	*33 - 138*	*07/14/16 09:24*	*07/15/16 21:07*	*1*
2-Fluorobiphenyl	*36*		*15 - 122*	*07/14/16 09:24*	*07/15/16 21:07*	*1*

Client Sample ID: MW5-ROX-070816
Date Collected: 07/08/16 13:50
Date Received: 07/09/16 09:15

Lab Sample ID: 400-124218-4
Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	50		19 - 130	07/14/16 09:24	07/15/16 21:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND	* u5	10	3.8	ug/L		07/14/16 09:24	07/28/16 15:42	1
Aniline	ND	H	10	3.8	ug/L		07/28/16 11:26	07/29/16 22:06	1
Benzenethiol	ND		10	1.7	ug/L		07/14/16 09:24	07/28/16 15:42	1
Benzenethiol	ND	H *	10	1.7	ug/L		07/28/16 11:26	07/29/16 22:06	1
Benzoic acid	ND		30	7.3	ug/L		07/14/16 09:24	07/28/16 15:42	1
Benzoic acid	ND	H	30	7.3	ug/L		07/28/16 11:26	07/29/16 22:06	1
Benzyl alcohol	ND		10	2.0	ug/L		07/14/16 09:24	07/28/16 15:42	1
Benzyl alcohol	ND	H	10	2.0	ug/L		07/28/16 11:26	07/29/16 22:06	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		07/14/16 09:24	07/28/16 15:42	1
Bis(2-chloroethoxy)methane	ND	H	10	0.69	ug/L		07/28/16 11:26	07/29/16 22:06	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		07/14/16 09:24	07/28/16 15:42	1
Bis(2-chloroethyl)ether	ND	H	10	0.74	ug/L		07/28/16 11:26	07/29/16 22:06	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		07/14/16 09:24	07/28/16 15:42	1
bis (2-chloroisopropyl) ether	ND	H	10	0.81	ug/L		07/28/16 11:26	07/29/16 22:06	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		07/14/16 09:24	07/28/16 15:42	1
Bis(2-ethylhexyl) phthalate	ND	* H	10	2.3	ug/L		07/28/16 11:26	07/29/16 22:06	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		07/14/16 09:24	07/28/16 15:42	1
4-Bromophenyl phenyl ether	ND	H	10	0.32	ug/L		07/28/16 11:26	07/29/16 22:06	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		07/14/16 09:24	07/28/16 15:42	1
Butyl benzyl phthalate	ND	* H	10	0.69	ug/L		07/28/16 11:26	07/29/16 22:06	1
4-Chloroaniline	ND	*	10	3.4	ug/L		07/14/16 09:24	07/28/16 15:42	1
4-Chloroaniline	ND	H	10	3.4	ug/L		07/28/16 11:26	07/29/16 22:06	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		07/14/16 09:24	07/28/16 15:42	1
4-Chloro-3-methylphenol	ND	H	10	3.8	ug/L		07/28/16 11:26	07/29/16 22:06	1
2-Chloronaphthalene	ND		10	0.52	ug/L		07/14/16 09:24	07/28/16 15:42	1
2-Chloronaphthalene	ND	H	10	0.52	ug/L		07/28/16 11:26	07/29/16 22:06	1
2-Chlorophenol	ND		10	2.2	ug/L		07/14/16 09:24	07/28/16 15:42	1
2-Chlorophenol	ND	H	10	2.2	ug/L		07/28/16 11:26	07/29/16 22:06	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		07/14/16 09:24	07/28/16 15:42	1
4-Chlorophenyl phenyl ether	ND	H	10	2.0	ug/L		07/28/16 11:26	07/29/16 22:06	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		07/14/16 09:24	07/28/16 15:42	1
Dibenz[a,h]acridine	ND	H	10	3.0	ug/L		07/28/16 11:26	07/29/16 22:06	1
Dibenzofuran	ND		10	0.52	ug/L		07/14/16 09:24	07/28/16 15:42	1
Dibenzofuran	ND	H	10	0.52	ug/L		07/28/16 11:26	07/29/16 22:06	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		07/14/16 09:24	07/28/16 15:42	1
3,3'-Dichlorobenzidine	ND	H	10	2.6	ug/L		07/28/16 11:26	07/29/16 22:06	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		07/14/16 09:24	07/28/16 15:42	1
2,4-Dichlorophenol	ND	H	10	3.0	ug/L		07/28/16 11:26	07/29/16 22:06	1
Diethyl phthalate	ND		10	0.70	ug/L		07/14/16 09:24	07/28/16 15:42	1
Diethyl phthalate	ND	H	10	0.70	ug/L		07/28/16 11:26	07/29/16 22:06	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		07/14/16 09:24	07/28/16 15:42	1
2,4-Dimethylphenol	ND	H	10	3.5	ug/L		07/28/16 11:26	07/29/16 22:06	1
Dimethyl phthalate	ND		10	0.60	ug/L		07/14/16 09:24	07/28/16 15:42	1
Dimethyl phthalate	ND	H	10	0.60	ug/L		07/28/16 11:26	07/29/16 22:06	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		07/14/16 09:24	07/28/16 15:42	1

Client Sample ID: MW5-ROX-070816

Date Collected: 07/08/16 13:50
Date Received: 07/09/16 09:15

Lab Sample ID: 400-124218-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-butyl phthalate	ND	H	10	2.7	ug/L		07/28/16 11:26	07/29/16 22:06	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/14/16 09:24	07/28/16 15:42	1
4,6-Dinitro-ortho-cresol	ND	H *	10	2.0	ug/L		07/28/16 11:26	07/29/16 22:06	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		07/14/16 09:24	07/28/16 15:42	1
2,4-Dinitrophenol	ND	H	30	3.4	ug/L		07/28/16 11:26	07/29/16 22:06	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		07/14/16 09:24	07/28/16 15:42	1
2,4-Dinitrotoluene	ND	H	10	1.9	ug/L		07/28/16 11:26	07/29/16 22:06	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		07/14/16 09:24	07/28/16 15:42	1
2,6-Dinitrotoluene	ND	H	10	1.9	ug/L		07/28/16 11:26	07/29/16 22:06	1
Di-n-octyl phthalate	~~0.82~~	J B U	10	0.44	ug/L		07/14/16 09:24	07/28/16 15:42	1
Di-n-octyl phthalate	**1.0**	**J * H B**	10	0.44	ug/L		07/28/16 11:26	07/29/16 22:06	1
1,4-Dioxane	ND		10	1.0	ug/L		07/14/16 09:24	07/28/16 15:42	1
1,4-Dioxane	ND	H	10	1.0	ug/L		07/28/16 11:26	07/29/16 22:06	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		07/14/16 09:24	07/28/16 15:42	1
1,2-Diphenylhydrazine (as Azobenzene)	ND	H	10	1.0	ug/L		07/28/16 11:26	07/29/16 22:06	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/14/16 09:24	07/28/16 15:42	1
Hexachlorobenzene	ND	H	10	0.25	ug/L		07/28/16 11:26	07/29/16 22:06	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		07/14/16 09:24	07/28/16 15:42	1
Hexachlorocyclopentadiene	ND	H	20	2.6	ug/L		07/28/16 11:26	07/29/16 22:06	1
Hexachloroethane	ND		10	4.2	ug/L		07/14/16 09:24	07/28/16 15:42	1
Hexachloroethane	ND	H	10	4.2	ug/L		07/28/16 11:26	07/29/16 22:06	1
Indene	ND		10	1.0	ug/L		07/14/16 09:24	07/28/16 15:42	1
Indene	ND	H	10	1.0	ug/L		07/28/16 11:26	07/29/16 22:06	1
Isophorone	ND		10	0.57	ug/L		07/14/16 09:24	07/28/16 15:42	1
Isophorone	ND	H	10	0.57	ug/L		07/28/16 11:26	07/29/16 22:06	1
2-Methylphenol	ND		10	1.8	ug/L		07/14/16 09:24	07/28/16 15:42	1
2-Methylphenol	ND	H	10	1.8	ug/L		07/28/16 11:26	07/29/16 22:06	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		07/14/16 09:24	07/28/16 15:42	1
3 & 4 Methylphenol	ND	H	20	1.0	ug/L		07/28/16 11:26	07/29/16 22:06	1
2-Nitroaniline	ND		10	2.2	ug/L		07/14/16 09:24	07/28/16 15:42	1
2-Nitroaniline	ND	* H	10	2.2	ug/L		07/28/16 11:26	07/29/16 22:06	1
3-Nitroaniline	ND	*	10	1.8	ug/L		07/14/16 09:24	07/28/16 15:42	1
3-Nitroaniline	ND	H	10	1.8	ug/L		07/28/16 11:26	07/29/16 22:06	1
4-Nitroaniline	ND		10	2.5	ug/L		07/14/16 09:24	07/28/16 15:42	1
4-Nitroaniline	ND	H	10	2.5	ug/L		07/28/16 11:26	07/29/16 22:06	1
Nitrobenzene	ND		10	0.55	ug/L		07/14/16 09:24	07/28/16 15:42	1
Nitrobenzene	ND	H	10	0.55	ug/L		07/28/16 11:26	07/29/16 22:06	1
2-Nitrophenol	ND		10	0.65	ug/L		07/14/16 09:24	07/28/16 15:42	1
2-Nitrophenol	ND	H	10	0.65	ug/L		07/28/16 11:26	07/29/16 22:06	1
4-Nitrophenol	ND		10	2.1	ug/L		07/14/16 09:24	07/28/16 15:42	1
4-Nitrophenol	ND	H	10	2.1	ug/L		07/28/16 11:26	07/29/16 22:06	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		07/14/16 09:24	07/28/16 15:42	1
N-Nitrosodimethylamine	ND	* H	10	3.5	ug/L		07/28/16 11:26	07/29/16 22:06	1
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		07/14/16 09:24	07/28/16 15:42	1
N-Nitrosodi-n-propylamine	ND	H	10	3.3	ug/L		07/28/16 11:26	07/29/16 22:06	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		07/14/16 09:24	07/28/16 15:42	1
N-Nitrosodiphenylamine	ND	H	10	0.47	ug/L		07/28/16 11:26	07/29/16 22:06	1
Pentachlorophenol	ND		20	1.8	ug/L		07/14/16 09:24	07/28/16 15:42	1

Client Sample ID: MW5-ROX-070816

Date Collected: 07/08/16 13:50
Date Received: 07/09/16 09:15

Lab Sample ID: 400-124218-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND	H	20	1.8	ug/L		07/28/16 11:26	07/29/16 22:06	1
Phenol	ND		10	2.6	ug/L		07/14/16 09:24	07/28/16 15:42	1
Phenol	ND	H	10	2.6	ug/L		07/28/16 11:26	07/29/16 22:06	1
Pyridine	ND	* UJ	10	3.2	ug/L		07/14/16 09:24	07/28/16 15:42	1
Pyridine	ND	H	10	3.2	ug/L		07/28/16 11:26	07/29/16 22:06	1
Quinoline	ND		10	6.0	ug/L		07/14/16 09:24	07/28/16 15:42	1
Quinoline	ND	H	10	6.0	ug/L		07/28/16 11:26	07/29/16 22:06	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		07/14/16 09:24	07/28/16 15:42	1
2,4,5-Trichlorophenol	ND	H	10	3.7	ug/L		07/28/16 11:26	07/29/16 22:06	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		07/14/16 09:24	07/28/16 15:42	1
2,4,6-Trichlorophenol	ND	H	10	3.5	ug/L		07/28/16 11:26	07/29/16 22:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*41*		*34 - 120*	*07/14/16 09:24*	*07/28/16 15:42*	*1*
2-Fluorobiphenyl	*71*		*34 - 120*	*07/28/16 11:26*	*07/29/16 22:06*	*1*
2-Fluorophenol	*42*		*10 - 120*	*07/14/16 09:24*	*07/28/16 15:42*	*1*
2-Fluorophenol	*53*		*10 - 120*	*07/28/16 11:26*	*07/29/16 22:06*	*1*
Nitrobenzene-d5	*75*		*27 - 120*	*07/14/16 09:24*	*07/28/16 15:42*	*1*
Nitrobenzene-d5	*86*		*27 - 120*	*07/28/16 11:26*	*07/29/16 22:06*	*1*
Phenol-d5	*43*		*10 - 120*	*07/14/16 09:24*	*07/28/16 15:42*	*1*
Phenol-d5	*67*		*10 - 120*	*07/28/16 11:26*	*07/29/16 22:06*	*1*
Terphenyl-d14	*46*	*X*	*53 - 125*	*07/14/16 09:24*	*07/28/16 15:42*	*1*
Terphenyl-d14	*75*		*53 - 125*	*07/28/16 11:26*	*07/29/16 22:06*	*1*
2,4,6-Tribromophenol	*54*		*15 - 135*	*07/14/16 09:24*	*07/28/16 15:42*	*1*
2,4,6-Tribromophenol	*45*		*15 - 135*	*07/28/16 11:26*	*07/29/16 22:06*	*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		0.029	0.0053	ug/L		07/16/16 11:14	07/18/16 11:47	1
1,2-Dibromoethane	ND		0.019	0.0048	ug/L		07/16/16 11:14	07/18/16 11:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*75*		*51 - 149*	*07/16/16 11:14*	*07/18/16 11:47*	*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
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.
F2	MS/MSD RPD exceeds control limits
X	Surrogate is outside control limits
*	LCS or LCSD is outside acceptance limits.
*	RPD of the LCS and LCSD exceeds the control limits
B	Compound was found in the blank and sample.
H	Sample was prepped or analyzed beyond the specified holding time

GC Semi VOA

Qualifier	Qualifier Description
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
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 - 3Q16

TestAmerica Job ID: 400-124218-1
SDG: 60477387 - 1.03.0033

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)
400-124217-A-3 MS	Matrix Spike	99	105	98
400-124217-A-3 MSD	Matrix Spike Duplicate	100	105	100
400-124218-1	TB-ROX-070816R-8260	102	103	98
400-124218-3	MW3-ROX-070816	103	104	99
400-124218-4	MW5-ROX-070816	102	104	98
LCS 400-314166/1002	Lab Control Sample	101	107	99
MB 400-314166/4	Method Blank	100	104	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)
400-124217-E-3-B MS	Matrix Spike	72	63	82	75	58	47
400-124217-E-3-C MSD	Matrix Spike Duplicate	70	61	82	75	68	53
400-124217-F-3-B MS	Matrix Spike	46	44	52	45	48 X	61
400-124217-F-3-C MSD	Matrix Spike Duplicate	21 X	8 X	9 X	16	48 X	56
400-124218-3	MW3-ROX-070816	48	46	57	52	59	64
400-124218-3	MW3-ROX-070816	74	56	86	71	67	50
400-124218-4	MW5-ROX-070816	41	42	75	43	46 X	54
400-124218-4	MW5-ROX-070816	71	53	86	67	75	45
LCS 400-314243/2-A	Lab Control Sample	77	77	81	81	92	104
LCS 400-316146/2-A	Lab Control Sample	87	80	91	93	122	64
LCS 400-316146/4-A	Lab Control Sample	78	69	90	83	110	52
LCSD 400-316146/3-A	Lab Control Sample Dup	84	78	89	91	120	61
LCSD 400-316146/5-A	Lab Control Sample Dup	81	59	82	76	106	49
MB 400-314243/1-A	Method Blank	67	65	68	68	81	75
MB 400-316146/1-A	Method Blank	90	79	94	96	125	56

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)
400-124217-F-3-B MS	Matrix Spike	30 X	34	43

Surrogate Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 3Q16

TestAmerica Job ID: 400-124218-1
SDG: 60477387 - 1.03.0033

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

Matrix: Water — Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	TPH (33-138)	FBP (15-122)	NBZ (19-130)
400-124217-F-3-C MSD	Matrix Spike Duplicate	43	24	14 X
400-124218-3	MW3-ROX-070816	33	40	40
400-124218-4	MW5-ROX-070816	30 X	36	50
LCS 400-314243/2-A	Lab Control Sample	60	73	71
MB 400-314243/1-A	Method Blank	47	53	54

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)
400-124218-2	TB-ROX-070818R-8011	90
400-124218-3	MW3-ROX-070816	72 p
400-124218-4	MW5-ROX-070816	75
400-124395-E-4-A MS	Matrix Spike	80
400-124395-E-4-B MSD	Matrix Spike Duplicate	93
LCS 400-314557/2-A	Lab Control Sample	105
MB 400-314557/1-A	Method Blank	91

Surrogate Legend

BFB = 4-Bromofluorobenzene

Method Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 3Q16

TestAmerica Job ID: 400-124218-1
SDG: 60477387 - 1.03.0033

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 - 3Q16

TestAmerica Job ID: 400-124218-1
SDG: 60477387 - 1.03.0033

Client Sample ID: TB-ROX-070816R-8260

Lab Sample ID: 400-124218-1
Matrix: Water

Date Collected: 07/08/16 00:00
Date Received: 07/09/16 09:15

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	314166	07/13/16 22:43	S1S	TAL PEN

Client Sample ID: TB-ROX-070818R-8011

Lab Sample ID: 400-124218-2
Matrix: Water

Date Collected: 07/08/16 00:00
Date Received: 07/09/16 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			36.3 mL	35 mL	314557	07/16/16 11:14	AM	TAL PEN
Total/NA	Analysis	8011		1			314704	07/18/16 10:48	AM	TAL PEN

Client Sample ID: MW3-ROX-070816

Lab Sample ID: 400-124218-3
Matrix: Water

Date Collected: 07/08/16 12:35
Date Received: 07/09/16 09:15

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	314166	07/13/16 23:10	S1S	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314243	07/14/16 09:24	RMC	TAL PEN
Total/NA	Analysis	8270D		1			316101	07/28/16 15:12	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	316146	07/28/16 11:26	RMC	TAL PEN
Total/NA	Analysis	8270D		1			316322	07/29/16 21:36	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314243	07/14/16 09:24	RMC	TAL PEN
Total/NA	Analysis	8270D LL		1			314468	07/15/16 20:41	VC1	TAL PEN
Total/NA	Prep	8011			33.7 mL	35 mL	314557	07/16/16 11:14	AM	TAL PEN
Total/NA	Analysis	8011		1			314704	07/18/16 11:17	AM	TAL PEN

Client Sample ID: MW5-ROX-070816

Lab Sample ID: 400-124218-4
Matrix: Water

Date Collected: 07/08/16 13:50
Date Received: 07/09/16 09:15

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	314166	07/13/16 23:38	S1S	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314243	07/14/16 09:24	RMC	TAL PEN
Total/NA	Analysis	8270D		1			316101	07/28/16 15:42	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	316146	07/28/16 11:26	RMC	TAL PEN
Total/NA	Analysis	8270D		1			316322	07/29/16 22:06	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314243	07/14/16 09:24	RMC	TAL PEN
Total/NA	Analysis	8270D LL		1			314468	07/15/16 21:07	VC1	TAL PEN
Total/NA	Prep	8011			36.3 mL	35 mL	314557	07/16/16 11:14	AM	TAL PEN
Total/NA	Analysis	8011		1			314704	07/18/16 11:47	AM	TAL PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-314166/4
Date Collected: N/A
Matrix: Water
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	314166	07/13/16 17:14	S1S	TAL PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-314243/1-A
Date Collected: N/A
Matrix: Water
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	314243	07/14/16 09:24	RMC	TAL PEN
Total/NA	Analysis	8270D		1			316101	07/28/16 12:10	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314243	07/14/16 09:24	RMC	TAL PEN
Total/NA	Analysis	8270D LL		1			314193	07/15/16 02:53	VC1	TAL PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-314557/1-A
Date Collected: N/A
Matrix: Water
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	314557	07/16/16 11:14	AM	TAL PEN
Total/NA	Analysis	8011		1			314704	07/18/16 09:48	AM	TAL PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-316146/1-A
Date Collected: N/A
Matrix: Water
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	316146	07/28/16 11:26	RMC	TAL PEN
Total/NA	Analysis	8270D		1			316322	07/29/16 17:35	MAM	TAL PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-314166/1002
Date Collected: N/A
Matrix: Water
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	314166	07/13/16 16:08	S1S	TAL PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-314243/2-A
Date Collected: N/A
Matrix: Water
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	314243	07/14/16 09:24	RMC	TAL PEN
Total/NA	Analysis	8270D		1			316101	07/28/16 12:41	MAM	TAL PEN

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

Lab Sample ID: LCS 400-314243/2-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	314243	07/14/16 09:24	RMC	TAL PEN
Total/NA	Analysis	8270D LL		1			314193	07/15/16 03:45	VC1	TAL PEN

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

Lab Sample ID: LCS 400-314557/2-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	314557	07/16/16 11:14	AM	TAL PEN
Total/NA	Analysis	8011		1			314704	07/18/16 10:18	AM	TAL PEN

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

Lab Sample ID: LCS 400-316146/2-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	316146	07/28/16 11:26	RMC	TAL PEN
Total/NA	Analysis	8270D		1	0.4 mL	1.0 mL	316322	07/29/16 18:05	MAM	TAL PEN

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

Lab Sample ID: LCS 400-316146/4-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	316146	07/28/16 11:26	RMC	TAL PEN
Total/NA	Analysis	8270D		1			316322	07/29/16 19:05	MAM	TAL PEN

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

Lab Sample ID: LCSD 400-316146/3-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	316146	07/28/16 11:26	RMC	TAL PEN
Total/NA	Analysis	8270D		1			316322	07/29/16 18:35	MAM	TAL PEN

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

Lab Sample ID: LCSD 400-316146/5-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	316146	07/28/16 11:26	RMC	TAL PEN
Total/NA	Analysis	8270D		1			316322	07/29/16 19:35	MAM	TAL PEN

Client Sample ID: Matrix Spike
Date Collected: 07/08/16 10:45
Date Received: 07/09/16 09:13

Lab Sample ID: 400-124217-A-3 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	314166	07/13/16 19:59	S1S	TAL PEN

Client Sample ID: Matrix Spike Duplicate
Date Collected: 07/08/16 10:45
Date Received: 07/09/16 09:13

Lab Sample ID: 400-124217-A-3 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	314166	07/13/16 20:27	S1S	TAL PEN

Client Sample ID: Matrix Spike
Date Collected: 07/08/16 10:45
Date Received: 07/09/16 09:13

Lab Sample ID: 400-124217-E-3-B 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	Prep	3520C			1000 mL	1 mL	316146	07/28/16 11:26	RMC	TAL PEN
Total/NA	Analysis	8270D		1			316322	07/29/16 20:36	MAM	TAL PEN

Client Sample ID: Matrix Spike Duplicate
Date Collected: 07/08/16 10:45
Date Received: 07/09/16 09:13

Lab Sample ID: 400-124217-E-3-C 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	Prep	3520C			1000 mL	1 mL	316146	07/28/16 11:26	RMC	TAL PEN
Total/NA	Analysis	8270D		1			316322	07/29/16 21:06	MAM	TAL PEN

Client Sample ID: Matrix Spike
Date Collected: 07/08/16 10:45
Date Received: 07/09/16 09:13

Lab Sample ID: 400-124217-F-3-B 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	Prep	3520C			1000 mL	1 mL	314243	07/14/16 09:24	RMC	TAL PEN
Total/NA	Analysis	8270D		1			316101	07/28/16 14:11	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314243	07/14/16 09:24	RMC	TAL PEN
Total/NA	Analysis	8270D LL		1			314392	07/15/16 13:50	VC1	TAL PEN

Client Sample ID: Matrix Spike Duplicate
Date Collected: 07/08/16 10:45
Date Received: 07/09/16 09:13

Lab Sample ID: 400-124217-F-3-C 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	Prep	3520C			1000 mL	1 mL	314243	07/14/16 09:24	RMC	TAL PEN
Total/NA	Analysis	8270D		1			316101	07/28/16 14:42	MAM	TAL PEN

Lab Chronicle

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 3Q16

TestAmerica Job ID: 400-124218-1
SDG: 60477387 - 1.03.0033

Client Sample ID: Matrix Spike Duplicate

Lab Sample ID: 400-124217-F-3-C MSD

Date Collected: 07/08/16 10:45
Date Received: 07/09/16 09:13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1000 mL	1 mL	314243	07/14/16 09:24	RMC	TAL PEN
Total/NA	Analysis	8270D LL		1			314392	07/15/16 14:13	VC1	TAL PEN

Client Sample ID: Matrix Spike

Lab Sample ID: 400-124395-E-4-A MS

Date Collected: 07/12/16 10:00
Date Received: 07/13/16 08:29

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			34.3 mL	35 mL	314557	07/16/16 11:14	AM	TAL PEN
Total/NA	Analysis	8011		1			314704	07/18/16 19:47	AM	TAL PEN

Client Sample ID: Matrix Spike Duplicate

Lab Sample ID: 400-124395-E-4-B MSD

Date Collected: 07/12/16 10:00
Date Received: 07/13/16 08:29

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			35.5 mL	35 mL	314557	07/16/16 11:14	AM	TAL PEN
Total/NA	Analysis	8011		1			314704	07/18/16 20:46	AM	TAL PEN

Laboratory References:

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

GC/MS VOA

Analysis Batch: 314166

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124218-1	TB-ROX-070816R-8260	Total/NA	Water	8260B	
400-124218-3	MW3-ROX-070816	Total/NA	Water	8260B	
400-124218-4	MW5-ROX-070816	Total/NA	Water	8260B	
MB 400-314166/4	Method Blank	Total/NA	Water	8260B	
LCS 400-314166/1002	Lab Control Sample	Total/NA	Water	8260B	
400-124217-A-3 MS	Matrix Spike	Total/NA	Water	8260B	
400-124217-A-3 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	

GC/MS Semi VOA

Analysis Batch: 314193

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-314243/1-A	Method Blank	Total/NA	Water	8270D LL	314243
LCS 400-314243/2-A	Lab Control Sample	Total/NA	Water	8270D LL	314243

Prep Batch: 314243

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124218-3	MW3-ROX-070816	Total/NA	Water	3520C	
400-124218-4	MW5-ROX-070816	Total/NA	Water	3520C	
MB 400-314243/1-A	Method Blank	Total/NA	Water	3520C	
LCS 400-314243/2-A	Lab Control Sample	Total/NA	Water	3520C	
400-124217-F-3-B MS	Matrix Spike	Total/NA	Water	3520C	
400-124217-F-3-C MSD	Matrix Spike Duplicate	Total/NA	Water	3520C	

Analysis Batch: 314392

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124217-F-3-B MS	Matrix Spike	Total/NA	Water	8270D LL	314243
400-124217-F-3-C MSD	Matrix Spike Duplicate	Total/NA	Water	8270D LL	314243

Analysis Batch: 314468

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124218-3	MW3-ROX-070816	Total/NA	Water	8270D LL	314243
400-124218-4	MW5-ROX-070816	Total/NA	Water	8270D LL	314243

Analysis Batch: 316101

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124218-3	MW3-ROX-070816	Total/NA	Water	8270D	314243
400-124218-4	MW5-ROX-070816	Total/NA	Water	8270D	314243
MB 400-314243/1-A	Method Blank	Total/NA	Water	8270D	314243
LCS 400-314243/2-A	Lab Control Sample	Total/NA	Water	8270D	314243
400-124217-F-3-B MS	Matrix Spike	Total/NA	Water	8270D	314243
400-124217-F-3-C MSD	Matrix Spike Duplicate	Total/NA	Water	8270D	314243

Prep Batch: 316146

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124218-3	MW3-ROX-070816	Total/NA	Water	3520C	
400-124218-4	MW5-ROX-070816	Total/NA	Water	3520C	
MB 400-316146/1-A	Method Blank	Total/NA	Water	3520C	
LCS 400-316146/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCS 400-316146/4-A	Lab Control Sample	Total/NA	Water	3520C	

GC/MS Semi VOA (Continued)

Prep Batch: 316146 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 400-316146/3-A	Lab Control Sample Dup	Total/NA	Water	3520C	
LCSD 400-316146/5-A	Lab Control Sample Dup	Total/NA	Water	3520C	
400-124217-E-3-B MS	Matrix Spike	Total/NA	Water	3520C	
400-124217-E-3-C MSD	Matrix Spike Duplicate	Total/NA	Water	3520C	

Analysis Batch: 316322

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124218-3	MW3-ROX-070816	Total/NA	Water	8270D	316146
400-124218-4	MW5-ROX-070816	Total/NA	Water	8270D	316146
MB 400-316146/1-A	Method Blank	Total/NA	Water	8270D	316146
LCS 400-316146/2-A	Lab Control Sample	Total/NA	Water	8270D	316146
LCS 400-316146/4-A	Lab Control Sample	Total/NA	Water	8270D	316146
LCSD 400-316146/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	316146
LCSD 400-316146/5-A	Lab Control Sample Dup	Total/NA	Water	8270D	316146
400-124217-E-3-B MS	Matrix Spike	Total/NA	Water	8270D	316146
400-124217-E-3-C MSD	Matrix Spike Duplicate	Total/NA	Water	8270D	316146

GC Semi VOA

Prep Batch: 314557

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124218-2	TB-ROX-070818R-8011	Total/NA	Water	8011	
400-124218-3	MW3-ROX-070816	Total/NA	Water	8011	
400-124218-4	MW5-ROX-070816	Total/NA	Water	8011	
MB 400-314557/1-A	Method Blank	Total/NA	Water	8011	
LCS 400-314557/2-A	Lab Control Sample	Total/NA	Water	8011	
400-124395-E-4-A MS	Matrix Spike	Total/NA	Water	8011	
400-124395-E-4-B MSD	Matrix Spike Duplicate	Total/NA	Water	8011	

Analysis Batch: 314704

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124218-2	TB-ROX-070818R-8011	Total/NA	Water	8011	314557
400-124218-3	MW3-ROX-070816	Total/NA	Water	8011	314557
400-124218-4	MW5-ROX-070816	Total/NA	Water	8011	314557
MB 400-314557/1-A	Method Blank	Total/NA	Water	8011	314557
LCS 400-314557/2-A	Lab Control Sample	Total/NA	Water	8011	314557
400-124395-E-4-A MS	Matrix Spike	Total/NA	Water	8011	314557
400-124395-E-4-B MSD	Matrix Spike Duplicate	Total/NA	Water	8011	314557

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

Lab Sample ID: MB 400-314166/4
Matrix: Water
Analysis Batch: 314166

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			07/13/16 17:14	1
Acrolein	ND		20	10	ug/L			07/13/16 17:14	1
Acrylonitrile	ND		10	2.8	ug/L			07/13/16 17:14	1
Benzene	ND		1.0	0.38	ug/L			07/13/16 17:14	1
Bromobenzene	ND		1.0	0.54	ug/L			07/13/16 17:14	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/13/16 17:14	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/13/16 17:14	1
Bromoform	ND		5.0	0.71	ug/L			07/13/16 17:14	1
Bromomethane	ND		1.0	0.98	ug/L			07/13/16 17:14	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/13/16 17:14	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/13/16 17:14	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			07/13/16 17:14	1
Chlorobenzene	ND		1.0	0.50	ug/L			07/13/16 17:14	1
Dibromochloromethane	ND		1.0	0.50	ug/L			07/13/16 17:14	1
Chloroethane	ND		1.0	0.76	ug/L			07/13/16 17:14	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/13/16 17:14	1
Chloroform	ND		1.0	0.60	ug/L			07/13/16 17:14	1
1-Chlorohexane	ND		1.0	0.70	ug/L			07/13/16 17:14	1
Chloromethane	ND		1.0	0.83	ug/L			07/13/16 17:14	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/13/16 17:14	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/13/16 17:14	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/13/16 17:14	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/13/16 17:14	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/13/16 17:14	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/13/16 17:14	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/13/16 17:14	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			07/13/16 17:14	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/13/16 17:14	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/13/16 17:14	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/13/16 17:14	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/13/16 17:14	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			07/13/16 17:14	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/13/16 17:14	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/13/16 17:14	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/13/16 17:14	1
2-Hexanone	ND		25	3.1	ug/L			07/13/16 17:14	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/13/16 17:14	1
Methylene bromide	ND		5.0	0.59	ug/L			07/13/16 17:14	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/13/16 17:14	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/13/16 17:14	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			07/13/16 17:14	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			07/13/16 17:14	1
Naphthalene	ND		1.0	1.0	ug/L			07/13/16 17:14	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/13/16 17:14	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/13/16 17:14	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/13/16 17:14	1
o-Xylene	ND		5.0	0.60	ug/L			07/13/16 17:14	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/13/16 17:14	1

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

Lab Sample ID: MB 400-314166/4
Matrix: Water
Analysis Batch: 314166

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			07/13/16 17:14	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/13/16 17:14	1
Styrene	ND		1.0	1.0	ug/L			07/13/16 17:14	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/13/16 17:14	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			07/13/16 17:14	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/13/16 17:14	1
Tetrachloroethene	ND		1.0	0.58	ug/L			07/13/16 17:14	1
Toluene	ND		1.0	0.70	ug/L			07/13/16 17:14	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/13/16 17:14	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/13/16 17:14	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			07/13/16 17:14	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/13/16 17:14	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			07/13/16 17:14	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			07/13/16 17:14	1
Trichloroethene	ND		1.0	0.50	ug/L			07/13/16 17:14	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			07/13/16 17:14	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/13/16 17:14	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/13/16 17:14	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/13/16 17:14	1
Vinyl acetate	ND		25	2.0	ug/L			07/13/16 17:14	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/13/16 17:14	1
Xylenes, Total	ND		10	1.6	ug/L			07/13/16 17:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*78 - 118*		*07/13/16 17:14*	*1*
Dibromofluoromethane	*104*		*81 - 121*		*07/13/16 17:14*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*07/13/16 17:14*	*1*

Lab Sample ID: LCS 400-314166/1002
Matrix: Water
Analysis Batch: 314166

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	200	182		ug/L		91	43 - 160
Acrolein	500	391		ug/L		78	38 - 160
Acrylonitrile	500	472		ug/L		94	64 - 142
Benzene	50.0	48.5		ug/L		97	70 - 130
Bromobenzene	50.0	50.4		ug/L		101	70 - 132
Bromochloromethane	50.0	48.9		ug/L		98	70 - 130
Bromodichloromethane	50.0	49.9		ug/L		100	67 - 133
Bromoform	50.0	49.3		ug/L		99	57 - 140
Bromomethane	50.0	73.5		ug/L		147	10 - 160
2-Butanone (MEK)	200	190		ug/L		95	61 - 145
Carbon disulfide	50.0	48.1		ug/L		96	61 - 137
Carbon tetrachloride	50.0	49.5		ug/L		99	61 - 137
Chlorobenzene	50.0	49.0		ug/L		98	70 - 130
Dibromochloromethane	50.0	50.9		ug/L		102	67 - 135
Chloroethane	50.0	44.3		ug/L		89	55 - 141

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

Lab Sample ID: LCS 400-314166/1002
Matrix: Water
Analysis Batch: 314166

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	70.9		ug/L		142	10 - 160
Chloroform	50.0	48.7		ug/L		97	69 - 130
1-Chlorohexane	50.0	48.0		ug/L		96	69 - 130
Chloromethane	50.0	39.2		ug/L		78	58 - 137
cis-1,2-Dichloroethene	50.0	49.3		ug/L		99	68 - 130
cis-1,3-Dichloropropene	50.0	49.8		ug/L		100	69 - 132
1,2-Dichlorobenzene	50.0	49.1		ug/L		98	67 - 130
1,3-Dichlorobenzene	50.0	50.1		ug/L		100	70 - 130
1,4-Dichlorobenzene	50.0	49.8		ug/L		100	70 - 130
Dichlorodifluoromethane	50.0	47.4		ug/L		95	41 - 146
1,1-Dichloroethane	50.0	49.7		ug/L		99	70 - 130
1,2-Dichloroethane	50.0	47.4		ug/L		95	69 - 130
1,1-Dichloroethene	50.0	49.5		ug/L		99	63 - 134
1,2-Dichloropropane	50.0	48.6		ug/L		97	70 - 130
1,3-Dichloropropane	50.0	49.0		ug/L		98	70 - 130
2,2-Dichloropropane	50.0	51.5		ug/L		103	52 - 135
1,1-Dichloropropene	50.0	49.0		ug/L		98	70 - 130
Ethylbenzene	50.0	49.3		ug/L		99	70 - 130
Ethyl methacrylate	50.0	48.4		ug/L		97	68 - 130
Hexachlorobutadiene	50.0	51.5		ug/L		103	53 - 140
2-Hexanone	200	191		ug/L		96	65 - 137
Isopropylbenzene	50.0	49.7		ug/L		99	70 - 130
Methylene bromide	50.0	49.4		ug/L		99	70 - 130
Methylene Chloride	50.0	46.5		ug/L		93	66 - 135
4-Methyl-2-pentanone (MIBK)	200	189		ug/L		95	69 - 138
Methyl tert-butyl ether	50.0	48.2		ug/L		96	66 - 130
m-Xylene & p-Xylene	50.0	48.9		ug/L		98	70 - 130
Naphthalene	50.0	47.1		ug/L		94	47 - 149
n-Butylbenzene	50.0	51.8		ug/L		104	67 - 130
N-Propylbenzene	50.0	51.8		ug/L		104	70 - 130
o-Chlorotoluene	50.0	50.3		ug/L		101	70 - 130
o-Xylene	50.0	48.9		ug/L		98	70 - 130
p-Chlorotoluene	50.0	50.8		ug/L		102	70 - 130
p-Isopropyltoluene	50.0	52.2		ug/L		104	65 - 130
sec-Butylbenzene	50.0	51.7		ug/L		103	66 - 130
Styrene	50.0	49.3		ug/L		99	70 - 130
tert-Butylbenzene	50.0	51.2		ug/L		102	64 - 139
1,1,1,2-Tetrachloroethane	50.0	49.8		ug/L		100	67 - 131
1,1,2,2-Tetrachloroethane	50.0	48.1		ug/L		96	70 - 131
Tetrachloroethene	50.0	49.1		ug/L		98	65 - 130
Toluene	50.0	47.9		ug/L		96	70 - 130
trans-1,2-Dichloroethene	50.0	49.5		ug/L		99	70 - 130
trans-1,3-Dichloropropene	50.0	50.2		ug/L		100	63 - 130
1,2,3-Trichlorobenzene	50.0	49.7		ug/L		99	60 - 138
1,2,4-Trichlorobenzene	50.0	49.6		ug/L		99	60 - 140
1,1,1-Trichloroethane	50.0	48.9		ug/L		98	68 - 130
1,1,2-Trichloroethane	50.0	49.1		ug/L		98	70 - 130
Trichloroethene	50.0	49.2		ug/L		98	70 - 130

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

Lab Sample ID: LCS 400-314166/1002
Matrix: Water
Analysis Batch: 314166

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	39.8		ug/L		80	65 - 138
1,2,3-Trichloropropane	50.0	47.7		ug/L		95	70 - 130
1,2,4-Trimethylbenzene	50.0	51.4		ug/L		103	70 - 130
1,3,5-Trimethylbenzene	50.0	51.3		ug/L		103	69 - 130
Vinyl acetate	100	99.8		ug/L		100	26 - 160
Vinyl chloride	50.0	47.4		ug/L		95	59 - 136
Xylenes, Total	100	97.8		ug/L		98	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*78 - 118*
Dibromofluoromethane	*107*		*81 - 121*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: 400-124217-A-3 MS
Matrix: Water
Analysis Batch: 314166

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		200	168		ug/L		84	43 - 160
Acrolein	ND		500	350		ug/L		70	38 - 160
Acrylonitrile	ND		500	460		ug/L		92	62 - 149
Benzene	ND		50.0	43.1		ug/L		86	56 - 142
Bromobenzene	ND		50.0	41.9		ug/L		84	59 - 136
Bromochloromethane	ND		50.0	45.1		ug/L		90	64 - 140
Bromodichloromethane	ND		50.0	44.7		ug/L		89	59 - 143
Bromoform	ND		50.0	42.5		ug/L		85	50 - 140
Bromomethane	ND		50.0	54.4		ug/L		109	10 - 160
2-Butanone (MEK)	ND		200	186		ug/L		93	55 - 150
Carbon disulfide	ND		50.0	42.8		ug/L		86	48 - 152
Carbon tetrachloride	ND		50.0	44.1		ug/L		88	55 - 145
Chlorobenzene	ND		50.0	42.3		ug/L		85	64 - 130
Dibromochloromethane	ND		50.0	45.2		ug/L		90	56 - 143
Chloroethane	ND		50.0	36.1		ug/L		72	50 - 151
2-Chloroethyl vinyl ether	ND	F1	50.0	ND	F1	ug/L		0	10 - 160
Chloroform	ND		50.0	44.1		ug/L		88	60 - 141
1-Chlorohexane	ND		50.0	41.2		ug/L		82	56 - 136
Chloromethane	ND		50.0	32.7		ug/L		65	49 - 148
cis-1,2-Dichloroethene	ND		50.0	44.7		ug/L		89	59 - 143
cis-1,3-Dichloropropene	ND		50.0	44.5		ug/L		89	57 - 140
1,2-Dichlorobenzene	ND		50.0	41.1		ug/L		82	52 - 137
1,3-Dichlorobenzene	ND		50.0	41.0		ug/L		82	54 - 135
1,4-Dichlorobenzene	ND		50.0	40.8		ug/L		82	53 - 135
Dichlorodifluoromethane	ND		50.0	40.3		ug/L		81	16 - 160
1,1-Dichloroethane	ND		50.0	44.7		ug/L		89	61 - 144
1,2-Dichloroethane	ND		50.0	43.7		ug/L		87	60 - 141
1,1-Dichloroethene	ND		50.0	45.0		ug/L		90	54 - 147
1,2-Dichloropropane	ND		50.0	43.6		ug/L		87	66 - 137
1,3-Dichloropropane	ND		50.0	44.0		ug/L		88	66 - 133

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

Lab Sample ID: 400-124217-A-3 MS
Matrix: Water
Analysis Batch: 314166

Client Sample ID: Matrix Spike
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	45.3		ug/L		91	42 - 144
1,1-Dichloropropene	ND		50.0	43.3		ug/L		87	65 - 136
Ethylbenzene	ND		50.0	42.3		ug/L		85	58 - 131
Ethyl methacrylate	ND		50.0	44.4		ug/L		89	64 - 130
Hexachlorobutadiene	ND		50.0	39.7		ug/L		79	31 - 149
2-Hexanone	ND		200	176		ug/L		88	65 - 140
Isopropylbenzene	ND		50.0	42.4		ug/L		85	56 - 133
Methylene bromide	ND		50.0	45.3		ug/L		91	63 - 138
Methylene Chloride	ND		50.0	41.6		ug/L		83	60 - 146
4-Methyl-2-pentanone (MIBK)	ND		200	182		ug/L		91	63 - 146
Methyl tert-butyl ether	ND		50.0	45.3		ug/L		91	59 - 137
m-Xylene & p-Xylene	ND		50.0	41.9		ug/L		84	57 - 130
Naphthalene	ND		50.0	41.5		ug/L		83	25 - 160
n-Butylbenzene	ND		50.0	40.2		ug/L		80	41 - 142
N-Propylbenzene	ND		50.0	42.0		ug/L		84	51 - 138
o-Chlorotoluene	ND		50.0	41.2		ug/L		82	53 - 134
o-Xylene	ND		50.0	42.3		ug/L		85	61 - 130
p-Chlorotoluene	ND		50.0	41.4		ug/L		83	54 - 133
p-Isopropyltoluene	ND		50.0	42.3		ug/L		85	48 - 139
sec-Butylbenzene	ND		50.0	42.0		ug/L		84	50 - 138
Styrene	ND		50.0	42.2		ug/L		84	58 - 131
tert-Butylbenzene	ND		50.0	42.4		ug/L		85	54 - 146
1,1,1,2-Tetrachloroethane	ND		50.0	44.3		ug/L		89	59 - 137
1,1,2,2-Tetrachloroethane	ND		50.0	42.5		ug/L		85	66 - 135
Tetrachloroethene	ND		50.0	41.5		ug/L		83	52 - 133
Toluene	ND		50.0	41.6		ug/L		83	65 - 130
trans-1,2-Dichloroethene	ND		50.0	44.2		ug/L		88	61 - 143
trans-1,3-Dichloropropene	ND		50.0	44.5		ug/L		89	53 - 133
1,2,3-Trichlorobenzene	ND		50.0	40.4		ug/L		81	43 - 145
1,2,4-Trichlorobenzene	ND		50.0	39.3		ug/L		79	39 - 148
1,1,1-Trichloroethane	ND		50.0	43.6		ug/L		87	57 - 142
1,1,2-Trichloroethane	ND		50.0	44.4		ug/L		89	66 - 131
Trichloroethene	ND		50.0	43.6		ug/L		87	64 - 136
Trichlorofluoromethane	ND		50.0	33.7		ug/L		67	54 - 156
1,2,3-Trichloropropane	ND		50.0	42.7		ug/L		85	65 - 133
1,2,4-Trimethylbenzene	ND		50.0	41.9		ug/L		84	50 - 139
1,3,5-Trimethylbenzene	ND		50.0	42.4		ug/L		85	52 - 135
Vinyl acetate	ND		100	88.1		ug/L		88	26 - 160
Vinyl chloride	ND		50.0	40.1		ug/L		80	46 - 152
Xylenes, Total	ND		100	84.2		ug/L		84	59 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*99*		*78 - 118*
Dibromofluoromethane	*105*		*81 - 121*
Toluene-d8 (Surr)	*98*		*80 - 120*

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

Lab Sample ID: 400-124217-A-3 MSD
Matrix: Water
Analysis Batch: 314166

Client Sample ID: Matrix Spike Duplicate
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	199		ug/L		99	43 - 160	17	30
Acrolein	ND		500	397		ug/L		79	38 - 160	13	31
Acrylonitrile	ND		500	557		ug/L		111	62 - 149	19	30
Benzene	ND		50.0	52.9		ug/L		106	56 - 142	21	30
Bromobenzene	ND		50.0	51.7		ug/L		103	59 - 136	21	30
Bromochloromethane	ND		50.0	55.4		ug/L		111	64 - 140	20	30
Bromodichloromethane	ND		50.0	54.8		ug/L		110	59 - 143	20	30
Bromoform	ND		50.0	52.6		ug/L		105	50 - 140	21	30
Bromomethane	ND		50.0	69.1		ug/L		138	10 - 160	24	50
2-Butanone (MEK)	ND		200	220		ug/L		110	55 - 150	17	30
Carbon disulfide	ND		50.0	52.5		ug/L		105	48 - 152	20	30
Carbon tetrachloride	ND		50.0	54.5		ug/L		109	55 - 145	21	30
Chlorobenzene	ND		50.0	51.7		ug/L		103	64 - 130	20	30
Dibromochloromethane	ND		50.0	55.0		ug/L		110	56 - 143	20	30
Chloroethane	ND		50.0	44.9		ug/L		90	50 - 151	22	30
2-Chloroethyl vinyl ether	ND	F1	50.0	ND	F1	ug/L		0	10 - 160	NC	50
Chloroform	ND		50.0	54.6		ug/L		109	60 - 141	21	30
1-Chlorohexane	ND		50.0	50.4		ug/L		101	56 - 136	20	30
Chloromethane	ND		50.0	38.8		ug/L		78	49 - 148	17	31
cis-1,2-Dichloroethene	ND		50.0	54.7		ug/L		109	59 - 143	20	30
cis-1,3-Dichloropropene	ND		50.0	54.0		ug/L		108	57 - 140	19	30
1,2-Dichlorobenzene	ND		50.0	50.4		ug/L		101	52 - 137	20	30
1,3-Dichlorobenzene	ND		50.0	50.3		ug/L		101	54 - 135	20	30
1,4-Dichlorobenzene	ND		50.0	50.4		ug/L		101	53 - 135	21	30
Dichlorodifluoromethane	ND		50.0	47.5		ug/L		95	16 - 160	17	31
1,1-Dichloroethane	ND		50.0	55.0		ug/L		110	61 - 144	21	30
1,2-Dichloroethane	ND		50.0	52.9		ug/L		106	60 - 141	19	30
1,1-Dichloroethene	ND		50.0	55.8		ug/L		112	54 - 147	21	30
1,2-Dichloropropane	ND		50.0	53.4		ug/L		107	66 - 137	20	30
1,3-Dichloropropane	ND		50.0	54.1		ug/L		108	66 - 133	21	30
2,2-Dichloropropane	ND		50.0	56.4		ug/L		113	42 - 144	22	31
1,1-Dichloropropene	ND		50.0	53.5		ug/L		107	65 - 136	21	30
Ethylbenzene	ND		50.0	51.8		ug/L		104	58 - 131	20	30
Ethyl methacrylate	ND		50.0	54.1		ug/L		108	64 - 130	20	30
Hexachlorobutadiene	ND		50.0	48.8		ug/L		98	31 - 149	21	36
2-Hexanone	ND		200	215		ug/L		107	65 - 140	20	30
Isopropylbenzene	ND		50.0	51.4		ug/L		103	56 - 133	19	30
Methylene bromide	ND		50.0	54.8		ug/L		110	63 - 138	19	30
Methylene Chloride	ND		50.0	50.9		ug/L		102	60 - 146	20	32
4-Methyl-2-pentanone (MIBK)	ND		200	219		ug/L		109	63 - 146	19	30
Methyl tert-butyl ether	ND		50.0	54.9		ug/L		110	59 - 137	19	30
m-Xylene & p-Xylene	ND		50.0	51.1		ug/L		102	57 - 130	20	30
Naphthalene	ND		50.0	51.0		ug/L		102	25 - 160	21	30
n-Butylbenzene	ND		50.0	49.0		ug/L		98	41 - 142	20	31
N-Propylbenzene	ND		50.0	51.7		ug/L		103	51 - 138	21	30
o-Chlorotoluene	ND		50.0	50.5		ug/L		101	53 - 134	20	30
o-Xylene	ND		50.0	51.5		ug/L		103	61 - 130	20	30
p-Chlorotoluene	ND		50.0	51.0		ug/L		102	54 - 133	21	30

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

Lab Sample ID: 400-124217-A-3 MSD
Matrix: Water
Analysis Batch: 314166

Client Sample ID: Matrix Spike Duplicate
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	51.4		ug/L		103	48 - 139	20	30
sec-Butylbenzene	ND		50.0	51.3		ug/L		103	50 - 138	20	30
Styrene	ND		50.0	51.5		ug/L		103	58 - 131	20	30
tert-Butylbenzene	ND		50.0	52.1		ug/L		104	54 - 146	21	30
1,1,1,2-Tetrachloroethane	ND		50.0	53.9		ug/L		108	59 - 137	20	30
1,1,2,2-Tetrachloroethane	ND		50.0	52.6		ug/L		105	66 - 135	21	30
Tetrachloroethene	ND		50.0	50.9		ug/L		102	52 - 133	20	30
Toluene	ND		50.0	51.2		ug/L		102	65 - 130	21	30
trans-1,2-Dichloroethene	ND		50.0	54.2		ug/L		108	61 - 143	20	30
trans-1,3-Dichloropropene	ND		50.0	54.5		ug/L		109	53 - 133	20	30
1,2,3-Trichlorobenzene	ND		50.0	50.2		ug/L		100	43 - 145	22	30
1,2,4-Trichlorobenzene	ND		50.0	48.6		ug/L		97	39 - 148	21	30
1,1,1-Trichloroethane	ND		50.0	54.4		ug/L		109	57 - 142	22	30
1,1,2-Trichloroethane	ND		50.0	54.1		ug/L		108	66 - 131	20	30
Trichloroethene	ND		50.0	53.4		ug/L		107	64 - 136	20	30
Trichlorofluoromethane	ND		50.0	39.9		ug/L		80	54 - 156	17	30
1,2,3-Trichloropropane	ND		50.0	52.7		ug/L		105	65 - 133	21	30
1,2,4-Trimethylbenzene	ND		50.0	51.8		ug/L		104	50 - 139	21	30
1,3,5-Trimethylbenzene	ND		50.0	51.5		ug/L		103	52 - 135	19	30
Vinyl acetate	ND		100	102		ug/L		102	26 - 160	14	33
Vinyl chloride	ND		50.0	46.9		ug/L		94	46 - 152	16	30
Xylenes, Total	ND		100	103		ug/L		103	59 - 130	20	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*78 - 118*
Dibromofluoromethane	*105*		*81 - 121*
Toluene-d8 (Surr)	*100*		*80 - 120*

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

Lab Sample ID: MB 400-314243/1-A
Matrix: Water
Analysis Batch: 316101

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 314243

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		07/14/16 09:24	07/28/16 12:10	1
Benzenethiol	ND		10	1.7	ug/L		07/14/16 09:24	07/28/16 12:10	1
Benzoic acid	ND		30	7.3	ug/L		07/14/16 09:24	07/28/16 12:10	1
Benzyl alcohol	ND		10	2.0	ug/L		07/14/16 09:24	07/28/16 12:10	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		07/14/16 09:24	07/28/16 12:10	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		07/14/16 09:24	07/28/16 12:10	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		07/14/16 09:24	07/28/16 12:10	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		07/14/16 09:24	07/28/16 12:10	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		07/14/16 09:24	07/28/16 12:10	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		07/14/16 09:24	07/28/16 12:10	1
4-Chloroaniline	ND		10	3.4	ug/L		07/14/16 09:24	07/28/16 12:10	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		07/14/16 09:24	07/28/16 12:10	1
2-Chloronaphthalene	ND		10	0.52	ug/L		07/14/16 09:24	07/28/16 12:10	1

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

Lab Sample ID: MB 400-314243/1-A
Matrix: Water
Analysis Batch: 316101

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 314243

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorophenol	ND		10	2.2	ug/L		07/14/16 09:24	07/28/16 12:10	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		07/14/16 09:24	07/28/16 12:10	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		07/14/16 09:24	07/28/16 12:10	1
Dibenzofuran	ND		10	0.52	ug/L		07/14/16 09:24	07/28/16 12:10	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		07/14/16 09:24	07/28/16 12:10	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		07/14/16 09:24	07/28/16 12:10	1
Diethyl phthalate	ND		10	0.70	ug/L		07/14/16 09:24	07/28/16 12:10	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		07/14/16 09:24	07/28/16 12:10	1
Dimethyl phthalate	ND		10	0.60	ug/L		07/14/16 09:24	07/28/16 12:10	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		07/14/16 09:24	07/28/16 12:10	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/14/16 09:24	07/28/16 12:10	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		07/14/16 09:24	07/28/16 12:10	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		07/14/16 09:24	07/28/16 12:10	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		07/14/16 09:24	07/28/16 12:10	1
Di-n-octyl phthalate	1.05	J	10	0.44	ug/L		07/14/16 09:24	07/28/16 12:10	1
1,4-Dioxane	ND		10	1.0	ug/L		07/14/16 09:24	07/28/16 12:10	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		07/14/16 09:24	07/28/16 12:10	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/14/16 09:24	07/28/16 12:10	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		07/14/16 09:24	07/28/16 12:10	1
Hexachloroethane	ND		10	4.2	ug/L		07/14/16 09:24	07/28/16 12:10	1
Indene	ND		10	1.0	ug/L		07/14/16 09:24	07/28/16 12:10	1
Isophorone	ND		10	0.57	ug/L		07/14/16 09:24	07/28/16 12:10	1
2-Methylphenol	ND		10	1.8	ug/L		07/14/16 09:24	07/28/16 12:10	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		07/14/16 09:24	07/28/16 12:10	1
2-Nitroaniline	ND		10	2.2	ug/L		07/14/16 09:24	07/28/16 12:10	1
3-Nitroaniline	ND		10	1.8	ug/L		07/14/16 09:24	07/28/16 12:10	1
4-Nitroaniline	ND		10	2.5	ug/L		07/14/16 09:24	07/28/16 12:10	1
Nitrobenzene	ND		10	0.55	ug/L		07/14/16 09:24	07/28/16 12:10	1
2-Nitrophenol	ND		10	0.65	ug/L		07/14/16 09:24	07/28/16 12:10	1
4-Nitrophenol	ND		10	2.1	ug/L		07/14/16 09:24	07/28/16 12:10	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		07/14/16 09:24	07/28/16 12:10	1
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		07/14/16 09:24	07/28/16 12:10	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		07/14/16 09:24	07/28/16 12:10	1
Pentachlorophenol	ND		20	1.8	ug/L		07/14/16 09:24	07/28/16 12:10	1
Phenol	ND		10	2.6	ug/L		07/14/16 09:24	07/28/16 12:10	1
Pyridine	ND		10	3.2	ug/L		07/14/16 09:24	07/28/16 12:10	1
Quinoline	ND		10	6.0	ug/L		07/14/16 09:24	07/28/16 12:10	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		07/14/16 09:24	07/28/16 12:10	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		07/14/16 09:24	07/28/16 12:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*67*		*34 - 120*	*07/14/16 09:24*	*07/28/16 12:10*	*1*
2-Fluorophenol	*65*		*10 - 120*	*07/14/16 09:24*	*07/28/16 12:10*	*1*
Nitrobenzene-d5	*68*		*27 - 120*	*07/14/16 09:24*	*07/28/16 12:10*	*1*
Phenol-d5	*68*		*10 - 120*	*07/14/16 09:24*	*07/28/16 12:10*	*1*
Terphenyl-d14	*81*		*53 - 125*	*07/14/16 09:24*	*07/28/16 12:10*	*1*
2,4,6-Tribromophenol	*75*		*15 - 135*	*07/14/16 09:24*	*07/28/16 12:10*	*1*

Lab Sample ID: LCS 400-314243/2-A
Matrix: Water
Analysis Batch: 316101

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 314243

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aniline	5.00	ND	*	ug/L		8	10 - 145
Benzyl alcohol	5.00	3.54		ug/L		71	51 - 121
Bis(2-chloroethoxy)methane	5.00	4.42		ug/L		88	54 - 123
Bis(2-chloroethyl)ether	5.00	3.97		ug/L		79	47 - 120
bis (2-chloroisopropyl) ether	5.00	4.00		ug/L		80	20 - 142
Bis(2-ethylhexyl) phthalate	5.00	5.86		ug/L		117	62 - 140
4-Bromophenyl phenyl ether	5.00	5.32		ug/L		106	62 - 132
Butyl benzyl phthalate	5.00	4.69		ug/L		94	51 - 150
4-Chloroaniline	5.00	ND		ug/L		38	32 - 128
4-Chloro-3-methylphenol	5.00	4.78		ug/L		96	47 - 135
2-Chloronaphthalene	5.00	4.32		ug/L		86	24 - 150
2-Chlorophenol	5.00	4.19		ug/L		84	45 - 120
4-Chlorophenyl phenyl ether	5.00	4.58		ug/L		92	61 - 133
Dibenzofuran	5.00	4.46		ug/L		89	62 - 124
2,4-Dichlorophenol	5.00	4.73		ug/L		95	52 - 125
Diethyl phthalate	5.00	4.47		ug/L		89	55 - 140
2,4-Dimethylphenol	5.00	4.41		ug/L		88	52 - 121
Dimethyl phthalate	5.00	4.61		ug/L		92	50 - 133
Di-n-butyl phthalate	5.00	4.79		ug/L		96	59 - 144
4,6-Dinitro-ortho-cresol	10.0	8.78		ug/L		88	46 - 136
2,4-Dinitrophenol	10.0	5.32		ug/L		53	22 - 146
2,4-Dinitrotoluene	5.00	5.02		ug/L		100	54 - 141
2,6-Dinitrotoluene	5.00	4.57		ug/L		91	61 - 130
Di-n-octyl phthalate	5.00	4.76		ug/L		95	55 - 140
1,4-Dioxane	5.00	3.14		ug/L		63	10 - 130
1,2-Diphenylhydrazine (as Azobenzene)	5.00	4.15		ug/L		83	55 - 139
Hexachlorobenzene	5.00	5.38		ug/L		108	60 - 138
Hexachlorocyclopentadiene	5.00	2.73		ug/L		55	1 - 139
Hexachloroethane	5.00	ND		ug/L		79	46 - 121
Isophorone	5.00	4.54		ug/L		91	57 - 122
2-Methylphenol	5.00	4.83		ug/L		97	38 - 121
3 & 4 Methylphenol	5.00	4.55		ug/L		91	43 - 126
2-Nitroaniline	5.00	4.61		ug/L		92	52 - 135
3-Nitroaniline	5.00	2.94		ug/L		59	51 - 128
4-Nitroaniline	5.00	3.32		ug/L		66	38 - 141
Nitrobenzene	5.00	4.36		ug/L		87	52 - 128
2-Nitrophenol	5.00	4.78		ug/L		96	47 - 129
4-Nitrophenol	10.0	8.33		ug/L		83	34 - 137
N-Nitrosodimethylamine	5.00	3.81		ug/L		76	21 - 134
N-Nitrosodi-n-propylamine	5.00	4.45		ug/L		89	41 - 143
N-Nitrosodiphenylamine	4.96	4.32		ug/L		87	10 - 185
Pentachlorophenol	10.0	7.74		ug/L		77	38 - 138
Phenol	5.00	4.38		ug/L		88	37 - 120
Pyridine	5.00	ND	*	ug/L		0	10 - 127
2,4,5-Trichlorophenol	5.00	4.73		ug/L		95	53 - 130
2,4,6-Trichlorophenol	5.00	4.50		ug/L		90	52 - 131

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*77*		*34 - 120*

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

Lab Sample ID: LCS 400-314243/2-A
Matrix: Water
Analysis Batch: 316101

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 314243

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorophenol	*77*		*10 - 120*
Nitrobenzene-d5	*81*		*27 - 120*
Phenol-d5	*81*		*10 - 120*
Terphenyl-d14	*92*		*53 - 125*
2,4,6-Tribromophenol	*104*		*15 - 135*

Lab Sample ID: 400-124217-F-3-B MS
Matrix: Water
Analysis Batch: 316101

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 314243

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aniline	ND	F1 *	5.00	ND	F1	ug/L		0	10 - 143
Benzyl alcohol	ND	F1	5.00	2.01	J	ug/L		40	10 - 154
Bis(2-chloroethoxy)methane	ND	F2	5.00	2.56	J	ug/L		51	14 - 147
Bis(2-chloroethyl)ether	ND	F1	5.00	2.33	J	ug/L		47	28 - 130
bis (2-chloroisopropyl) ether	ND	F1	5.00	2.47	J	ug/L		49	10 - 141
Bis(2-ethylhexyl) phthalate	2.4	J F1	5.00	3.20	J F1	ug/L		16	43 - 160
4-Bromophenyl phenyl ether	ND		5.00	2.96	J	ug/L		59	26 - 159
Butyl benzyl phthalate	ND		5.00	3.37	J	ug/L		67	43 - 151
4-Chloroaniline	ND	F1 *	5.00	ND	F1	ug/L		0	10 - 152
4-Chloro-3-methylphenol	ND	F1	5.00	ND	F1	ug/L		0	17 - 156
2-Chloronaphthalene	ND	F2	5.00	2.62	J	ug/L		52	10 - 155
2-Chlorophenol	ND	F1	5.00	2.38	J	ug/L		48	19 - 130
4-Chlorophenyl phenyl ether	ND		5.00	2.66	J	ug/L		53	25 - 161
Dibenzofuran	ND	F2	5.00	2.71	J	ug/L		54	18 - 157
2,4-Dichlorophenol	ND	F1	5.00	ND	F1	ug/L		0	16 - 147
Diethyl phthalate	ND		5.00	2.77	J	ug/L		55	23 - 160
2,4-Dimethylphenol	ND	F1	5.00	ND	F1	ug/L		0	25 - 146
Dimethyl phthalate	ND		5.00	2.73	J	ug/L		55	11 - 158
Di-n-butyl phthalate	ND		5.00	3.30	J	ug/L		66	28 - 162
4,6-Dinitro-ortho-cresol	ND		10.0	7.29	J	ug/L		73	10 - 168
2,4-Dinitrophenol	ND		10.0	7.18	J	ug/L		72	10 - 166
2,4-Dinitrotoluene	ND		5.00	3.24	J	ug/L		65	26 - 158
2,6-Dinitrotoluene	ND		5.00	2.99	J	ug/L		60	19 - 157
Di-n-octyl phthalate	1.3	J B F1	5.00	1.49	J F1	ug/L		4	42 - 150
1,4-Dioxane	ND	F1	5.00	1.56	J	ug/L		31	10 - 130
1,2-Diphenylhydrazine (as Azobenzene)	ND		5.00	2.87	J	ug/L		57	19 - 162
Hexachlorobenzene	ND		5.00	2.81	J	ug/L		56	45 - 145
Hexachlorocyclopentadiene	ND	F1	5.00	ND	F1	ug/L		0	10 - 151
Hexachloroethane	ND	F1	5.00	ND	F1	ug/L		0	29 - 130
Isophorone	ND	F2	5.00	2.67	J	ug/L		53	24 - 144
2-Methylphenol	ND	F1	5.00	2.83	J	ug/L		57	22 - 130
3 & 4 Methylphenol	ND	F2 F1	5.00	2.61	J	ug/L		52	31 - 130
2-Nitroaniline	ND		5.00	3.37	J	ug/L		67	10 - 162
3-Nitroaniline	ND	F1 *	5.00	ND	F1	ug/L		0	10 - 163
4-Nitroaniline	ND	F1	5.00	ND	F1	ug/L		0	10 - 162
Nitrobenzene	ND	F1	5.00	2.67	J	ug/L		53	34 - 135

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

Lab Sample ID: 400-124217-F-3-B MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 316101 — **Prep Batch: 314243**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Nitrophenol	ND	F2 F1	5.00	2.85	J	ug/L		57	27 - 134
4-Nitrophenol	ND		10.0	6.21	J	ug/L		62	10 - 175
N-Nitrosodimethylamine	ND	F1	5.00	ND	F1	ug/L		0	10 - 139
N-Nitrosodi-n-propylamine	ND	F1	5.00	ND	F1	ug/L		0	13 - 147
N-Nitrosodiphenylamine	ND		4.96	2.54	J	ug/L		51	31 - 150
Pentachlorophenol	ND		10.0	6.85	J	ug/L		68	10 - 180
Phenol	ND	F1	5.00	ND	F1	ug/L		0	23 - 130
Pyridine	ND	F1 *	5.00	ND	F1	ug/L		0	10 - 130
2,4,5-Trichlorophenol	ND	F1	5.00	ND	F1	ug/L		0	43 - 137
2,4,6-Trichlorophenol	ND	F1	5.00	ND	F1	ug/L		0	42 - 135

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*46*		*34 - 120*
2-Fluorophenol	*44*		*10 - 120*
Nitrobenzene-d5	*52*		*27 - 120*
Phenol-d5	*45*		*10 - 120*
Terphenyl-d14	*48*	*X*	*53 - 125*
2,4,6-Tribromophenol	*61*		*15 - 135*

Lab Sample ID: 400-124217-F-3-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 316101 — **Prep Batch: 314243**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aniline	ND	F1 *	5.00	ND	F1	ug/L		0	10 - 143	NC	63
Benzyl alcohol	ND	F1	5.00	ND	F1	ug/L		0	10 - 154	NC	37
Bis(2-chloroethoxy)methane	ND	F2	5.00	0.793	J F2	ug/L		16	14 - 147	105	70
Bis(2-chloroethyl)ether	ND	F1	5.00	ND	F1	ug/L		0	28 - 130	NC	42
bis (2-chloroisopropyl) ether	ND	F1	5.00	ND	F1	ug/L		0	10 - 141	NC	41
Bis(2-ethylhexyl) phthalate	2.4	J F1	5.00	ND	F1	ug/L		0	43 - 160	NC	35
4-Bromophenyl phenyl ether	ND		5.00	2.58	J	ug/L		52	26 - 159	14	30
Butyl benzyl phthalate	ND		5.00	3.43	J	ug/L		69	43 - 151	2	32
4-Chloroaniline	ND	F1 *	5.00	ND	F1	ug/L		0	10 - 152	NC	94
4-Chloro-3-methylphenol	ND	F1	5.00	ND	F1	ug/L		0	17 - 156	NC	40
2-Chloronaphthalene	ND	F2	5.00	1.26	J F2	ug/L		25	10 - 155	70	29
2-Chlorophenol	ND	F1	5.00	ND	F1	ug/L		0	19 - 130	NC	42
4-Chlorophenyl phenyl ether	ND		5.00	2.04	J	ug/L		41	25 - 161	26	27
Dibenzofuran	ND	F2	5.00	1.92	J F2	ug/L		38	18 - 157	34	29
2,4-Dichlorophenol	ND	F1	5.00	ND	F1	ug/L		0	16 - 147	NC	43
Diethyl phthalate	ND		5.00	2.70	J	ug/L		54	23 - 160	3	40
2,4-Dimethylphenol	ND	F1	5.00	ND	F1	ug/L		0	25 - 146	NC	47
Dimethyl phthalate	ND		5.00	2.41	J	ug/L		48	11 - 158	13	36
Di-n-butyl phthalate	ND		5.00	3.31	J	ug/L		66	28 - 162	0	32
4,6-Dinitro-ortho-cresol	ND		10.0	6.85	J	ug/L		69	10 - 168	6	42
2,4-Dinitrophenol	ND		10.0	6.51	J	ug/L		65	10 - 166	10	36
2,4-Dinitrotoluene	ND		5.00	3.06	J	ug/L		61	26 - 158	6	28
2,6-Dinitrotoluene	ND		5.00	2.59	J	ug/L		52	19 - 157	14	28
Di-n-octyl phthalate	1.3	J B F1	5.00	1.44	J F1	ug/L		3	42 - 150	3	35

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

Lab Sample ID: 400-124217-F-3-C MSD
Matrix: Water
Analysis Batch: 316101

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 314243

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dioxane	ND	F1	5.00	ND	F1	ug/L		0	10 - 130	NC	40
1,2-Diphenylhydrazine (as Azobenzene)	ND		5.00	2.36	J	ug/L		47	19 - 162	20	40
Hexachlorobenzene	ND		5.00	2.32	J	ug/L		46	45 - 145	19	33
Hexachlorocyclopentadiene	ND	F1	5.00	ND	F1	ug/L		0	10 - 151	NC	50
Hexachloroethane	ND	F1	5.00	ND	F1	ug/L		0	29 - 130	NC	41
Isophorone	ND	F2	5.00	1.36	J F2	ug/L		27	24 - 144	65	33
2-Methylphenol	ND	F1	5.00	ND	F1	ug/L		0	22 - 130	NC	47
3 & 4 Methylphenol	ND	F2 F1	5.00	1.31	J F1 F2	ug/L		26	31 - 130	66	47
2-Nitroaniline	ND		5.00	3.19	J	ug/L		64	10 - 162	6	33
3-Nitroaniline	ND	F1 *	5.00	ND	F1	ug/L		0	10 - 163	NC	39
4-Nitroaniline	ND	F1	5.00	ND	F1	ug/L		0	10 - 162	NC	50
Nitrobenzene	ND	F1	5.00	ND	F1	ug/L		0	34 - 135	NC	35
2-Nitrophenol	ND	F2 F1	5.00	0.982	J F1 F2	ug/L		20	27 - 134	97	43
4-Nitrophenol	ND		10.0	6.03	J	ug/L		60	10 - 175	3	82
N-Nitrosodimethylamine	ND	F1	5.00	ND	F1	ug/L		0	10 - 139	NC	62
N-Nitrosodi-n-propylamine	ND	F1	5.00	ND	F1	ug/L		0	13 - 147	NC	36
N-Nitrosodiphenylamine	ND		4.96	2.25	J	ug/L		45	31 - 150	12	34
Pentachlorophenol	ND		10.0	6.89	J	ug/L		69	10 - 180	1	42
Phenol	ND	F1	5.00	ND	F1	ug/L		0	23 - 130	NC	52
Pyridine	ND	F1 *	5.00	ND	F1	ug/L		0	10 - 130	NC	55
2,4,5-Trichlorophenol	ND	F1	5.00	ND	F1	ug/L		0	43 - 137	NC	42
2,4,6-Trichlorophenol	ND	F1	5.00	ND	F1	ug/L		0	42 - 135	NC	44

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*21*	*X*	*34 - 120*
2-Fluorophenol	*8*	*X*	*10 - 120*
Nitrobenzene-d5	*9*	*X*	*27 - 120*
Phenol-d5	*16*		*10 - 120*
Terphenyl-d14	*48*	*X*	*53 - 125*
2,4,6-Tribromophenol	*56*		*15 - 135*

Lab Sample ID: MB 400-316146/1-A
Matrix: Water
Analysis Batch: 316322

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 316146

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		07/28/16 11:26	07/29/16 17:35	1
Benzenethiol	ND		10	1.7	ug/L		07/28/16 11:26	07/29/16 17:35	1
Benzoic acid	ND		30	7.3	ug/L		07/28/16 11:26	07/29/16 17:35	1
Benzyl alcohol	ND		10	2.0	ug/L		07/28/16 11:26	07/29/16 17:35	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		07/28/16 11:26	07/29/16 17:35	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		07/28/16 11:26	07/29/16 17:35	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		07/28/16 11:26	07/29/16 17:35	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		07/28/16 11:26	07/29/16 17:35	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		07/28/16 11:26	07/29/16 17:35	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		07/28/16 11:26	07/29/16 17:35	1
4-Chloroaniline	ND		10	3.4	ug/L		07/28/16 11:26	07/29/16 17:35	1

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

Lab Sample ID: MB 400-316146/1-A
Matrix: Water
Analysis Batch: 316322

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 316146

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		07/28/16 11:26	07/29/16 17:35	1
2-Chloronaphthalene	ND		10	0.52	ug/L		07/28/16 11:26	07/29/16 17:35	1
2-Chlorophenol	ND		10	2.2	ug/L		07/28/16 11:26	07/29/16 17:35	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		07/28/16 11:26	07/29/16 17:35	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		07/28/16 11:26	07/29/16 17:35	1
Dibenzofuran	ND		10	0.52	ug/L		07/28/16 11:26	07/29/16 17:35	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		07/28/16 11:26	07/29/16 17:35	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		07/28/16 11:26	07/29/16 17:35	1
Diethyl phthalate	ND		10	0.70	ug/L		07/28/16 11:26	07/29/16 17:35	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		07/28/16 11:26	07/29/16 17:35	1
Dimethyl phthalate	ND		10	0.60	ug/L		07/28/16 11:26	07/29/16 17:35	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		07/28/16 11:26	07/29/16 17:35	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/28/16 11:26	07/29/16 17:35	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		07/28/16 11:26	07/29/16 17:35	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		07/28/16 11:26	07/29/16 17:35	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		07/28/16 11:26	07/29/16 17:35	1
Di-n-octyl phthalate	1.22	J	10	0.44	ug/L		07/28/16 11:26	07/29/16 17:35	1
1,4-Dioxane	ND		10	1.0	ug/L		07/28/16 11:26	07/29/16 17:35	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		07/28/16 11:26	07/29/16 17:35	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/28/16 11:26	07/29/16 17:35	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		07/28/16 11:26	07/29/16 17:35	1
Hexachloroethane	ND		10	4.2	ug/L		07/28/16 11:26	07/29/16 17:35	1
Indene	ND		10	1.0	ug/L		07/28/16 11:26	07/29/16 17:35	1
Isophorone	ND		10	0.57	ug/L		07/28/16 11:26	07/29/16 17:35	1
2-Methylphenol	ND		10	1.8	ug/L		07/28/16 11:26	07/29/16 17:35	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		07/28/16 11:26	07/29/16 17:35	1
2-Nitroaniline	ND		10	2.2	ug/L		07/28/16 11:26	07/29/16 17:35	1
3-Nitroaniline	ND		10	1.8	ug/L		07/28/16 11:26	07/29/16 17:35	1
4-Nitroaniline	ND		10	2.5	ug/L		07/28/16 11:26	07/29/16 17:35	1
Nitrobenzene	ND		10	0.55	ug/L		07/28/16 11:26	07/29/16 17:35	1
2-Nitrophenol	ND		10	0.65	ug/L		07/28/16 11:26	07/29/16 17:35	1
4-Nitrophenol	ND		10	2.1	ug/L		07/28/16 11:26	07/29/16 17:35	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		07/28/16 11:26	07/29/16 17:35	1
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		07/28/16 11:26	07/29/16 17:35	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		07/28/16 11:26	07/29/16 17:35	1
Pentachlorophenol	ND		20	1.8	ug/L		07/28/16 11:26	07/29/16 17:35	1
Phenol	ND		10	2.6	ug/L		07/28/16 11:26	07/29/16 17:35	1
Pyridine	ND		10	3.2	ug/L		07/28/16 11:26	07/29/16 17:35	1
Quinoline	ND		10	6.0	ug/L		07/28/16 11:26	07/29/16 17:35	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		07/28/16 11:26	07/29/16 17:35	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		07/28/16 11:26	07/29/16 17:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*90*		*34 - 120*	*07/28/16 11:26*	*07/29/16 17:35*	*1*
2-Fluorophenol	*79*		*10 - 120*	*07/28/16 11:26*	*07/29/16 17:35*	*1*
Nitrobenzene-d5	*94*		*27 - 120*	*07/28/16 11:26*	*07/29/16 17:35*	*1*
Phenol-d5	*96*		*10 - 120*	*07/28/16 11:26*	*07/29/16 17:35*	*1*

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

Lab Sample ID: MB 400-316146/1-A
Matrix: Water
Analysis Batch: 316322

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 316146

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	*125*		*53 - 125*	*07/28/16 11:26*	*07/29/16 17:35*	*1*
2,4,6-Tribromophenol	*56*		*15 - 135*	*07/28/16 11:26*	*07/29/16 17:35*	*1*

Lab Sample ID: LCS 400-316146/2-A
Matrix: Water
Analysis Batch: 316322

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 316146

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aniline	30.0	27.5		ug/L		92	10 - 145
Benzoic acid	121	70.9		ug/L		59	10 - 120
Benzyl alcohol	30.0	29.4		ug/L		98	51 - 121
Bis(2-chloroethoxy)methane	30.0	27.9		ug/L		93	54 - 123
Bis(2-chloroethyl)ether	30.0	29.1		ug/L		97	47 - 120
bis (2-chloroisopropyl) ether	30.0	37.1		ug/L		124	20 - 142
Bis(2-ethylhexyl) phthalate	30.0	47.1	*	ug/L		157	62 - 140
4-Bromophenyl phenyl ether	30.0	26.0		ug/L		87	62 - 132
Butyl benzyl phthalate	30.0	46.4	*	ug/L		155	51 - 150
4-Chloroaniline	30.0	23.1		ug/L		77	32 - 128
4-Chloro-3-methylphenol	30.0	33.4		ug/L		111	47 - 135
2-Chloronaphthalene	30.0	29.5		ug/L		98	24 - 150
2-Chlorophenol	30.0	27.1		ug/L		90	45 - 120
4-Chlorophenyl phenyl ether	30.0	26.1		ug/L		87	61 - 133
Dibenz[a,h]acridine	30.0	30.2		ug/L		101	60 - 131
Dibenzofuran	30.0	29.2		ug/L		97	62 - 124
3,3'-Dichlorobenzidine	40.0	38.0		ug/L		95	16 - 167
2,4-Dichlorophenol	30.0	28.3		ug/L		94	52 - 125
Diethyl phthalate	30.0	36.5		ug/L		122	55 - 140
2,4-Dimethylphenol	30.0	28.7		ug/L		96	52 - 121
Dimethyl phthalate	30.0	29.7		ug/L		99	50 - 133
Di-n-butyl phthalate	30.0	36.7		ug/L		122	59 - 144
4,6-Dinitro-ortho-cresol	60.0	58.1		ug/L		97	46 - 136
2,4-Dinitrophenol	101	102		ug/L		100	22 - 146
2,4-Dinitrotoluene	30.0	30.5		ug/L		102	54 - 141
2,6-Dinitrotoluene	30.0	28.1		ug/L		94	61 - 130
Di-n-octyl phthalate	30.0	44.6	*	ug/L		149	55 - 140
1,4-Dioxane	30.0	21.4		ug/L		71	10 - 130
1,2-Diphenylhydrazine (as Azobenzene)	30.0	34.0		ug/L		113	55 - 139
Hexachlorobenzene	30.0	25.1		ug/L		84	60 - 138
Hexachlorocyclopentadiene	30.0	16.3	J	ug/L		54	1 - 139
Hexachloroethane	30.0	29.6		ug/L		99	46 - 121
Indene	30.0	30.4		ug/L		101	17 - 141
Isophorone	30.0	29.0		ug/L		97	57 - 122
2-Methylphenol	30.0	31.9		ug/L		106	38 - 121
3 & 4 Methylphenol	30.0	29.1		ug/L		97	43 - 126
2-Nitroaniline	30.0	40.9	*	ug/L		136	52 - 135
3-Nitroaniline	30.0	29.2		ug/L		97	51 - 128
4-Nitroaniline	30.0	29.4		ug/L		98	38 - 141

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

Lab Sample ID: LCS 400-316146/2-A
Matrix: Water
Analysis Batch: 316322

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 316146

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrobenzene	30.0	29.3		ug/L		98	52 - 128
2-Nitrophenol	30.0	28.9		ug/L		96	47 - 129
4-Nitrophenol	60.0	54.0		ug/L		90	34 - 137
N-Nitrosodimethylamine	30.0	42.7	*	ug/L		142	21 - 134
N-Nitrosodi-n-propylamine	30.0	30.9		ug/L		103	41 - 143
N-Nitrosodiphenylamine	30.0	30.4		ug/L		101	10 - 185
Pentachlorophenol	60.0	43.5		ug/L		72	38 - 138
Phenol	30.0	28.5		ug/L		95	37 - 120
Pyridine	30.0	24.5		ug/L		82	10 - 127
Quinoline	30.0	30.4		ug/L		101	10 - 164
2,4,5-Trichlorophenol	30.0	27.2		ug/L		91	53 - 130
2,4,6-Trichlorophenol	30.0	23.9		ug/L		80	52 - 131

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*87*		*34 - 120*
2-Fluorophenol	*80*		*10 - 120*
Nitrobenzene-d5	*91*		*27 - 120*
Phenol-d5	*93*		*10 - 120*
Terphenyl-d14	*122*		*53 - 125*
2,4,6-Tribromophenol	*64*		*15 - 135*

Lab Sample ID: LCS 400-316146/4-A
Matrix: Water
Analysis Batch: 316322

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 316146

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzenethiol	100	47.2		ug/L		47	20 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*78*		*34 - 120*
2-Fluorophenol	*69*		*10 - 120*
Nitrobenzene-d5	*90*		*27 - 120*
Phenol-d5	*83*		*10 - 120*
Terphenyl-d14	*110*		*53 - 125*
2,4,6-Tribromophenol	*52*		*15 - 135*

Lab Sample ID: LCSD 400-316146/3-A
Matrix: Water
Analysis Batch: 316322

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 316146

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aniline	30.0	28.8		ug/L		96	10 - 145	5	30
Benzoic acid	121	69.0		ug/L		57	10 - 120	3	30
Benzyl alcohol	30.0	30.5		ug/L		102	51 - 121	4	30
Bis(2-chloroethoxy)methane	30.0	29.1		ug/L		97	54 - 123	4	30
Bis(2-chloroethyl)ether	30.0	30.0		ug/L		100	47 - 120	3	30
bis (2-chloroisopropyl) ether	30.0	37.9		ug/L		126	20 - 142	2	30
Bis(2-ethylhexyl) phthalate	30.0	47.7	*	ug/L		159	62 - 140	1	30

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

Lab Sample ID: LCSD 400-316146/3-A
Matrix: Water
Analysis Batch: 316322

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 316146

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4-Bromophenyl phenyl ether	30.0	27.5		ug/L		92	62 - 132	6	30
Butyl benzyl phthalate	30.0	47.9	*	ug/L		160	51 - 150	3	30
4-Chloroaniline	30.0	25.0		ug/L		83	32 - 128	8	30
4-Chloro-3-methylphenol	30.0	35.3		ug/L		118	47 - 135	5	30
2-Chloronaphthalene	30.0	30.4		ug/L		101	24 - 150	3	30
2-Chlorophenol	30.0	27.9		ug/L		93	45 - 120	3	30
4-Chlorophenyl phenyl ether	30.0	27.0		ug/L		90	61 - 133	3	30
Dibenz[a,h]acridine	30.0	32.2		ug/L		107	60 - 131	6	30
Dibenzofuran	30.0	30.8		ug/L		103	62 - 124	5	30
3,3'-Dichlorobenzidine	40.0	39.0		ug/L		98	16 - 167	3	30
2,4-Dichlorophenol	30.0	29.9		ug/L		100	52 - 125	5	30
Diethyl phthalate	30.0	38.5		ug/L		128	55 - 140	5	30
2,4-Dimethylphenol	30.0	29.1		ug/L		97	52 - 121	2	30
Dimethyl phthalate	30.0	31.2		ug/L		104	50 - 133	5	30
Di-n-butyl phthalate	30.0	37.0		ug/L		123	59 - 144	1	30
4,6-Dinitro-ortho-cresol	60.0	60.3		ug/L		100	46 - 136	4	30
2,4-Dinitrophenol	101	100		ug/L		99	22 - 146	1	30
2,4-Dinitrotoluene	30.0	31.0		ug/L		103	54 - 141	2	30
2,6-Dinitrotoluene	30.0	28.8		ug/L		96	61 - 130	2	30
Di-n-octyl phthalate	30.0	44.7	*	ug/L		149	55 - 140	0	30
1,4-Dioxane	30.0	24.8		ug/L		83	10 - 130	14	30
1,2-Diphenylhydrazine (as Azobenzene)	30.0	36.2		ug/L		121	55 - 139	6	30
Hexachlorobenzene	30.0	26.3		ug/L		88	60 - 138	5	30
Hexachlorocyclopentadiene	30.0	16.7	J	ug/L		56	1 - 139	2	30
Hexachloroethane	30.0	29.6		ug/L		99	46 - 121	0	30
Indene	30.0	29.8		ug/L		99	17 - 141	2	30
Isophorone	30.0	30.3		ug/L		101	57 - 122	5	30
2-Methylphenol	30.0	32.0		ug/L		107	38 - 121	0	30
3 & 4 Methylphenol	30.0	29.7		ug/L		99	43 - 126	2	30
2-Nitroaniline	30.0	43.4	*	ug/L		145	52 - 135	6	30
3-Nitroaniline	30.0	31.8		ug/L		106	51 - 128	8	30
4-Nitroaniline	30.0	28.4		ug/L		95	38 - 141	4	30
Nitrobenzene	30.0	30.4		ug/L		101	52 - 128	4	30
2-Nitrophenol	30.0	30.2		ug/L		101	47 - 129	5	30
4-Nitrophenol	60.0	51.4		ug/L		86	34 - 137	5	30
N-Nitrosodimethylamine	30.0	43.7	*	ug/L		146	21 - 134	2	30
N-Nitrosodi-n-propylamine	30.0	32.1		ug/L		107	41 - 143	4	30
N-Nitrosodiphenylamine	30.0	32.0		ug/L		107	10 - 185	5	30
Pentachlorophenol	60.0	44.6		ug/L		74	38 - 138	2	30
Phenol	30.0	29.8		ug/L		99	37 - 120	5	30
Pyridine	30.0	25.5		ug/L		85	10 - 127	4	30
Quinoline	30.0	32.4		ug/L		108	10 - 164	6	30
2,4,5-Trichlorophenol	30.0	27.9		ug/L		93	53 - 130	3	30
2,4,6-Trichlorophenol	30.0	24.8		ug/L		83	52 - 131	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*84*		*34 - 120*

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

Lab Sample ID: LCSD 400-316146/3-A
Matrix: Water
Analysis Batch: 316322

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 316146

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorophenol	*78*		*10 - 120*
Nitrobenzene-d5	*89*		*27 - 120*
Phenol-d5	*91*		*10 - 120*
Terphenyl-d14	*120*		*53 - 125*
2,4,6-Tribromophenol	*61*		*15 - 135*

Lab Sample ID: LCSD 400-316146/5-A
Matrix: Water
Analysis Batch: 316322

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 316146

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzenethiol	100	65.4	*	ug/L		65	20 - 150	32	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*81*		*34 - 120*
2-Fluorophenol	*59*		*10 - 120*
Nitrobenzene-d5	*82*		*27 - 120*
Phenol-d5	*76*		*10 - 120*
Terphenyl-d14	*106*		*53 - 125*
2,4,6-Tribromophenol	*49*		*15 - 135*

Lab Sample ID: 400-124217-E-3-B MS
Matrix: Water
Analysis Batch: 316322

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 316146

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aniline	ND		30.0	24.8		ug/L		83	10 - 143
Benzoic acid	ND		121	97.7		ug/L		81	10 - 134
Benzyl alcohol	ND		30.0	26.8		ug/L		89	10 - 154
Bis(2-chloroethoxy)methane	ND		30.0	25.5		ug/L		85	14 - 147
Bis(2-chloroethyl)ether	ND		30.0	28.5		ug/L		95	28 - 130
bis (2-chloroisopropyl) ether	ND		30.0	33.4		ug/L		111	10 - 141
Bis(2-ethylhexyl) phthalate	ND	* F2	30.0	28.8		ug/L		96	43 - 160
4-Bromophenyl phenyl ether	ND		30.0	21.9		ug/L		73	26 - 159
Butyl benzyl phthalate	ND	*	30.0	35.8		ug/L		119	43 - 151
4-Chloroaniline	ND		30.0	16.0		ug/L		53	10 - 152
4-Chloro-3-methylphenol	ND		30.0	27.7		ug/L		92	17 - 156
2-Chloronaphthalene	ND		30.0	26.1		ug/L		87	10 - 155
2-Chlorophenol	ND		30.0	23.1		ug/L		77	19 - 130
4-Chlorophenyl phenyl ether	ND		30.0	21.7		ug/L		72	25 - 161
Dibenz[a,h]acridine	ND		30.0	25.3		ug/L		84	42 - 147
Dibenzofuran	ND		30.0	25.3		ug/L		84	18 - 157
3,3'-Dichlorobenzidine	ND	F1	40.0	ND	F1	ug/L		0	10 - 172
2,4-Dichlorophenol	ND		30.0	23.7		ug/L		79	16 - 147
Diethyl phthalate	ND		30.0	25.9		ug/L		86	23 - 160
2,4-Dimethylphenol	ND		30.0	24.1		ug/L		80	25 - 146
Dimethyl phthalate	ND		30.0	23.4		ug/L		78	11 - 158
Di-n-butyl phthalate	ND		30.0	27.0		ug/L		90	28 - 162

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

Lab Sample ID: 400-124217-E-3-B MS
Matrix: Water
Analysis Batch: 316322

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 316146

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
4,6-Dinitro-ortho-cresol	ND	*	60.0	52.3		ug/L		87	10 - 168
2,4-Dinitrophenol	ND		101	95.4		ug/L		94	10 - 166
2,4-Dinitrotoluene	ND		30.0	26.2		ug/L		87	26 - 158
2,6-Dinitrotoluene	ND		30.0	24.3		ug/L		81	19 - 157
Di-n-octyl phthalate	1.5	J * B	30.0	26.8		ug/L		84	42 - 150
1,4-Dioxane	ND		30.0	20.6		ug/L		69	10 - 130
1,2-Diphenylhydrazine (as Azobenzene)	ND		30.0	30.5		ug/L		102	19 - 162
Hexachlorobenzene	ND		30.0	19.4		ug/L		65	45 - 145
Hexachlorocyclopentadiene	ND		30.0	11.3	J	ug/L		38	10 - 151
Hexachloroethane	ND		30.0	23.5		ug/L		78	29 - 130
Indene	ND		30.0	26.1		ug/L		87	22 - 130
Isophorone	ND		30.0	27.0		ug/L		90	24 - 144
2-Methylphenol	ND		30.0	26.9		ug/L		90	22 - 130
3 & 4 Methylphenol	ND		30.0	24.0		ug/L		80	31 - 130
2-Nitroaniline	ND	*	30.0	32.1		ug/L		107	10 - 162
3-Nitroaniline	ND		30.0	21.3		ug/L		71	10 - 163
4-Nitroaniline	ND		30.0	22.2		ug/L		74	10 - 162
Nitrobenzene	ND		30.0	27.0		ug/L		90	34 - 135
2-Nitrophenol	ND		30.0	24.7		ug/L		82	27 - 134
4-Nitrophenol	ND		60.0	42.8		ug/L		71	10 - 175
N-Nitrosodimethylamine	ND	*	30.0	39.5		ug/L		132	10 - 139
N-Nitrosodi-n-propylamine	ND		30.0	28.3		ug/L		94	13 - 147
N-Nitrosodiphenylamine	ND		30.0	11.9		ug/L		40	31 - 150
Pentachlorophenol	ND		60.0	41.6		ug/L		69	10 - 180
Phenol	ND		30.0	23.9		ug/L		80	23 - 130
Pyridine	ND		30.0	22.8		ug/L		76	10 - 130
Quinoline	ND		30.0	29.2		ug/L		97	10 - 180
2,4,5-Trichlorophenol	ND		30.0	22.0		ug/L		73	43 - 137
2,4,6-Trichlorophenol	ND		30.0	19.5		ug/L		65	42 - 135

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*72*		*34 - 120*
2-Fluorophenol	*63*		*10 - 120*
Nitrobenzene-d5	*82*		*27 - 120*
Phenol-d5	*75*		*10 - 120*
Terphenyl-d14	*58*		*53 - 125*
2,4,6-Tribromophenol	*47*		*15 - 135*

Lab Sample ID: 400-124217-E-3-C MSD
Matrix: Water
Analysis Batch: 316322

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 316146

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aniline	ND		30.0	19.4		ug/L		65	10 - 143	25	63
Benzoic acid	ND		121	101		ug/L		83	10 - 134	3	49
Benzyl alcohol	ND		30.0	25.4		ug/L		85	10 - 154	5	37
Bis(2-chloroethoxy)methane	ND		30.0	22.9		ug/L		76	14 - 147	11	70

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

Lab Sample ID: 400-124217-E-3-C MSD
Matrix: Water
Analysis Batch: 316322

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 316146

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bis(2-chloroethyl)ether	ND		30.0	25.2		ug/L		84	28 - 130	12	42
bis (2-chloroisopropyl) ether	ND		30.0	32.8		ug/L		109	10 - 141	2	41
Bis(2-ethylhexyl) phthalate	ND	* F2	30.0	43.3	F2	ug/L		144	43 - 160	40	35
4-Bromophenyl phenyl ether	ND		30.0	21.7		ug/L		72	26 - 159	1	30
Butyl benzyl phthalate	ND	*	30.0	40.9		ug/L		136	43 - 151	13	32
4-Chloroaniline	ND		30.0	13.7		ug/L		46	10 - 152	15	94
4-Chloro-3-methylphenol	ND		30.0	26.2		ug/L		87	17 - 156	6	40
2-Chloronaphthalene	ND		30.0	23.8		ug/L		79	10 - 155	9	29
2-Chlorophenol	ND		30.0	21.4		ug/L		71	19 - 130	8	42
4-Chlorophenyl phenyl ether	ND		30.0	21.2		ug/L		71	25 - 161	2	27
Dibenz[a,h]acridine	ND		30.0	27.5		ug/L		92	42 - 147	9	40
Dibenzofuran	ND		30.0	23.9		ug/L		80	18 - 157	6	29
3,3'-Dichlorobenzidine	ND	F1	40.0	ND	F1	ug/L		0	10 - 172	NC	58
2,4-Dichlorophenol	ND		30.0	23.0		ug/L		77	16 - 147	3	43
Diethyl phthalate	ND		30.0	26.7		ug/L		89	23 - 160	3	40
2,4-Dimethylphenol	ND		30.0	21.5		ug/L		72	25 - 146	11	47
Dimethyl phthalate	ND		30.0	23.4		ug/L		78	11 - 158	0	36
Di-n-butyl phthalate	ND		30.0	29.2		ug/L		97	28 - 162	8	32
4,6-Dinitro-ortho-cresol	ND	*	60.0	53.2		ug/L		89	10 - 168	2	42
2,4-Dinitrophenol	ND		101	100		ug/L		99	10 - 166	5	36
2,4-Dinitrotoluene	ND		30.0	24.3		ug/L		81	26 - 158	7	28
2,6-Dinitrotoluene	ND		30.0	22.6		ug/L		75	19 - 157	7	28
Di-n-octyl phthalate	1.5	J * B	30.0	38.2		ug/L		122	42 - 150	35	35
1,4-Dioxane	ND		30.0	26.0		ug/L		87	10 - 130	23	40
1,2-Diphenylhydrazine (as Azobenzene)	ND		30.0	28.5		ug/L		95	19 - 162	7	40
Hexachlorobenzene	ND		30.0	20.5		ug/L		68	45 - 145	6	33
Hexachlorocyclopentadiene	ND		30.0	11.8	J	ug/L		39	10 - 151	5	50
Hexachloroethane	ND		30.0	18.5		ug/L		62	29 - 130	24	41
Indene	ND		30.0	24.5		ug/L		82	22 - 130	6	40
Isophorone	ND		30.0	24.2		ug/L		81	24 - 144	11	33
2-Methylphenol	ND		30.0	25.1		ug/L		84	22 - 130	7	47
3 & 4 Methylphenol	ND		30.0	23.7		ug/L		79	31 - 130	1	47
2-Nitroaniline	ND	*	30.0	28.6		ug/L		95	10 - 162	12	33
3-Nitroaniline	ND		30.0	17.2		ug/L		57	10 - 163	21	39
4-Nitroaniline	ND		30.0	20.5		ug/L		68	10 - 162	8	50
Nitrobenzene	ND		30.0	25.1		ug/L		84	34 - 135	7	35
2-Nitrophenol	ND		30.0	23.2		ug/L		77	27 - 134	7	43
4-Nitrophenol	ND		60.0	46.6		ug/L		78	10 - 175	9	82
N-Nitrosodimethylamine	ND	*	30.0	33.6		ug/L		112	10 - 139	16	62
N-Nitrosodi-n-propylamine	ND		30.0	27.0		ug/L		90	13 - 147	5	36
N-Nitrosodiphenylamine	ND		30.0	16.7		ug/L		56	31 - 150	34	34
Pentachlorophenol	ND		60.0	42.5		ug/L		71	10 - 180	2	42
Phenol	ND		30.0	22.9		ug/L		76	23 - 130	4	52
Pyridine	ND		30.0	19.9		ug/L		66	10 - 130	14	55
Quinoline	ND		30.0	27.2		ug/L		91	10 - 180	7	40
2,4,5-Trichlorophenol	ND		30.0	22.5		ug/L		75	43 - 137	2	42
2,4,6-Trichlorophenol	ND		30.0	19.6		ug/L		65	42 - 135	0	44

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

Lab Sample ID: 400-124217-E-3-C MSD
Matrix: Water
Analysis Batch: 316322

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 316146

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*70*		*34 - 120*
2-Fluorophenol	*61*		*10 - 120*
Nitrobenzene-d5	*82*		*27 - 120*
Phenol-d5	*75*		*10 - 120*
Terphenyl-d14	*68*		*53 - 125*
2,4,6-Tribromophenol	*53*		*15 - 135*

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

Lab Sample ID: MB 400-314243/1-A
Matrix: Water
Analysis Batch: 314193

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 314243

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.020	ug/L		07/14/16 09:24	07/15/16 02:53	1
Acenaphthylene	ND		0.20	0.020	ug/L		07/14/16 09:24	07/15/16 02:53	1
Anthracene	ND		0.20	0.020	ug/L		07/14/16 09:24	07/15/16 02:53	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/14/16 09:24	07/15/16 02:53	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		07/14/16 09:24	07/15/16 02:53	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		07/14/16 09:24	07/15/16 02:53	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		07/14/16 09:24	07/15/16 02:53	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/14/16 09:24	07/15/16 02:53	1
Chrysene	ND		0.20	0.040	ug/L		07/14/16 09:24	07/15/16 02:53	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		07/14/16 09:24	07/15/16 02:53	1
Fluoranthene	ND		0.20	0.020	ug/L		07/14/16 09:24	07/15/16 02:53	1
Fluorene	ND		0.20	0.021	ug/L		07/14/16 09:24	07/15/16 02:53	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		07/14/16 09:24	07/15/16 02:53	1
Phenanthrene	ND		0.20	0.020	ug/L		07/14/16 09:24	07/15/16 02:53	1
Pyrene	ND		0.20	0.020	ug/L		07/14/16 09:24	07/15/16 02:53	1
1-Methylnaphthalene	ND		0.20	0.020	ug/L		07/14/16 09:24	07/15/16 02:53	1
2-Methylnaphthalene	ND		0.20	0.020	ug/L		07/14/16 09:24	07/15/16 02:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*47*		*33 - 138*	*07/14/16 09:24*	*07/15/16 02:53*	*1*
2-Fluorobiphenyl	*53*		*15 - 122*	*07/14/16 09:24*	*07/15/16 02:53*	*1*
Nitrobenzene-d5	*54*		*19 - 130*	*07/14/16 09:24*	*07/15/16 02:53*	*1*

Lab Sample ID: LCS 400-314243/2-A
Matrix: Water
Analysis Batch: 314193

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 314243

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	5.00	3.16		ug/L		63	41 - 120
Acenaphthylene	5.00	3.06		ug/L		61	44 - 120
Anthracene	5.00	2.93		ug/L		59	49 - 120
Benzo[a]anthracene	5.00	3.17		ug/L		63	61 - 135
Benzo[a]pyrene	5.00	3.71		ug/L		74	52 - 120

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

Lab Sample ID: LCS 400-314243/2-A
Matrix: Water
Analysis Batch: 314193

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 314243

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzo[b]fluoranthene	5.00	4.28		ug/L		86	53 - 134
Benzo[g,h,i]perylene	5.00	3.45		ug/L		69	47 - 133
Benzo[k]fluoranthene	5.00	3.13		ug/L		63	57 - 134
Chrysene	5.00	3.15		ug/L		63	55 - 122
Dibenz(a,h)anthracene	5.00	2.83		ug/L		57	48 - 146
Fluoranthene	5.00	4.18		ug/L		84	54 - 128
Fluorene	5.00	3.87		ug/L		77	45 - 125
Indeno[1,2,3-cd]pyrene	5.00	3.03		ug/L		61	43 - 142
Phenanthrene	5.00	2.94		ug/L		59	48 - 120
Pyrene	5.00	3.16		ug/L		63	48 - 132
1-Methylnaphthalene	5.00	3.73		ug/L		75	41 - 120
2-Methylnaphthalene	5.00	3.95		ug/L		79	32 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Terphenyl-d14	*60*		*33 - 138*
2-Fluorobiphenyl	*73*		*15 - 122*
Nitrobenzene-d5	*71*		*19 - 130*

Lab Sample ID: 400-124217-F-3-B MS
Matrix: Water
Analysis Batch: 314392

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 314243

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	ND		5.00	1.90		ug/L		38	35 - 113
Acenaphthylene	ND	F1	5.00	1.88	F1	ug/L		38	41 - 118
Anthracene	ND	F1	5.00	1.84	F1	ug/L		37	45 - 122
Benzo[a]anthracene	ND	F1	5.00	1.64	F1	ug/L		33	55 - 133
Benzo[a]pyrene	ND	F1	5.00	1.13	F1	ug/L		23	50 - 108
Benzo[b]fluoranthene	ND	F1	5.00	1.40	F1	ug/L		28	50 - 128
Benzo[g,h,i]perylene	ND	F1	5.00	0.717	F1	ug/L		14	46 - 133
Benzo[k]fluoranthene	ND	F1	5.00	1.25	F1	ug/L		25	52 - 128
Chrysene	ND	F1	5.00	1.59	F1	ug/L		32	52 - 116
Dibenz(a,h)anthracene	ND	F1	5.00	0.590	F1	ug/L		12	52 - 143
Fluoranthene	ND		5.00	2.12		ug/L		42	32 - 150
Fluorene	ND		5.00	1.98		ug/L		40	15 - 150
Indeno[1,2,3-cd]pyrene	ND	F1	5.00	0.748	F1	ug/L		15	41 - 141
Phenanthrene	ND		5.00	2.06		ug/L		41	36 - 125
Pyrene	ND	F1	5.00	1.86	F1	ug/L		37	41 - 127
1-Methylnaphthalene	0.033	J	5.00	1.79		ug/L		35	10 - 150
2-Methylnaphthalene	0.039	J	5.00	1.89		ug/L		37	10 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Terphenyl-d14	*30*	*X*	*33 - 138*
2-Fluorobiphenyl	*34*		*15 - 122*
Nitrobenzene-d5	*43*		*19 - 130*

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

Lab Sample ID: 400-124217-F-3-C MSD
Matrix: Water
Analysis Batch: 314392

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 314243

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	ND		5.00	1.85		ug/L		37	35 - 113	3	49
Acenaphthylene	ND	F1	5.00	1.85	F1	ug/L		37	41 - 118	2	48
Anthracene	ND	F1	5.00	2.38		ug/L		48	45 - 122	26	56
Benzo[a]anthracene	ND	F1	5.00	2.41	F1	ug/L		48	55 - 133	38	57
Benzo[a]pyrene	ND	F1	5.00	1.53	F1	ug/L		31	50 - 108	30	59
Benzo[b]fluoranthene	ND	F1	5.00	1.87	F1	ug/L		37	50 - 128	29	62
Benzo[g,h,i]perylene	ND	F1	5.00	1.00	F1	ug/L		20	46 - 133	33	58
Benzo[k]fluoranthene	ND	F1	5.00	1.73	F1	ug/L		35	52 - 128	32	58
Chrysene	ND	F1	5.00	2.42	F1	ug/L		48	52 - 116	42	59
Dibenz(a,h)anthracene	ND	F1	5.00	0.785	F1	ug/L		16	52 - 143	28	60
Fluoranthene	ND		5.00	3.12		ug/L		62	32 - 150	38	59
Fluorene	ND		5.00	2.32		ug/L		46	15 - 150	16	49
Indeno[1,2,3-cd]pyrene	ND	F1	5.00	1.02	F1	ug/L		20	41 - 141	31	58
Phenanthrene	ND		5.00	2.79		ug/L		56	36 - 125	30	69
Pyrene	ND	F1	5.00	2.80		ug/L		56	41 - 127	40	58
1-Methylnaphthalene	0.033	J	5.00	1.23		ug/L		24	10 - 150	37	66
2-Methylnaphthalene	0.039	J	5.00	1.10		ug/L		21	10 - 150	53	66

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Terphenyl-d14	*43*		*33 - 138*
2-Fluorobiphenyl	*24*		*15 - 122*
Nitrobenzene-d5	*14*	*X*	*19 - 130*

Method: 8011 - EDB and DBCP in Water by Microextraction

Lab Sample ID: MB 400-314557/1-A
Matrix: Water
Analysis Batch: 314704

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 314557

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		07/16/16 11:14	07/18/16 09:48	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		07/16/16 11:14	07/18/16 09:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*51 - 149*	*07/16/16 11:14*	*07/18/16 09:48*	*1*

Lab Sample ID: LCS 400-314557/2-A
Matrix: Water
Analysis Batch: 314704

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 314557

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,2-Dibromo-3-Chloropropane			0.100	0.106		ug/L		106	60 - 140		
1,2-Dibromoethane			0.100	0.118		ug/L		118	60 - 140		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*105*		*51 - 149*

Method: 8011 - EDB and DBCP in Water by Microextraction (Continued)

Lab Sample ID: 400-124395-E-4-A MS
Matrix: Water
Analysis Batch: 314704

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 314557

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	ND		0.102	0.0780		ug/L		76	65 - 135
1,2-Dibromoethane	ND		0.102	0.0812		ug/L		80	65 - 135

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*80*		*51 - 149*

Lab Sample ID: 400-124395-E-4-B MSD
Matrix: Water
Analysis Batch: 314704

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 314557

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		0.0986	0.0856	F2	ug/L		87	65 - 135	23	20
1,2-Dibromoethane	ND		0.0986	0.0992		ug/L		101	65 - 135	20	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*93*		*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 FDG ☐ PIPELINE ☐ RETAIL
☐ CHEMICALS ☐ CONSULTANT ☐ LUBES
☐ TRANSPORTATION ☑ OTHER _ENV. SERVICES

Print Bill To Contact Name:	PlaNet Site or Project ID	
Bob Billman	25278	☐ CHECK IF SHELL INCIDENT # APPLIES DATE: 8 July 2016
PO #	GSAP Project ID	PAGE: 1 of 1
60477387 - 1.03.003 / 1.03.0033	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 - 1.03.003 / 1.03.0033

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

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

PHONE NO.:

E-MAIL:

AECOM Other ID

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

SAMPLER NAME(S) (Print): K. WALKOWSKA / D. HAKE/

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

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

DELIVERABLES: ☑ 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

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

REQUESTED ANALYSIS

UNIT COST 60477387 - 1.03.0033: VOC 8011; PAH 8270LL

NON-UNIT COST 60477387 - 1.03.003: VOC 8260; SVOC 8270

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
	TB-ROX-070816R-8260	7/8/2016	0000	water	2					2			X	
	TB-ROX-070816R-8011	"	0000	"	2					2	X			
	MW3-ROX-070816	"	1235	"	4				2	6	2	1	2	1
	MW5-ROX-070816	"	1356	"	4				2	6	2	1	2	1

400-124218 COC

Relinquished by: (Signature)	Received by: (Signature)	Date: 8 July 2016	Time: 1730
Relinquished by: (Signature)	Received by: (Signature)	Date: 7-9-16	Time: 912
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Ref: S400-56442 Date: 20Jun16 Wgt: 10.00 LBS Dep:

DV: 0.00

SHIPPING: 0.00
SPECIAL: 0.00
HANDLING: 0.00
TOTAL: 0.00

Svcs: PRIORITY OVERNIGHT
TRCK: 6546 8386 3933

Custody seals: Test America 783313 | 783315
783314 | 783316

Revision: 14Dec15

5-8 °C

2.4 IR-6

Login Sample Receipt Checklist

Client: AECOM Technical Services Inc.

Job Number: 400-124218-1
SDG Number: 60477387 - 1.03.0033

Login Number: 124218
List Number: 1
Creator: Franklin, Justin H

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	2.4°C IR-6, 1.2°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 (excluding tests with immediate HTs)	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 - 3Q16

TestAmerica Job ID: 400-124218-1
SDG: 60477387 - 1.03.0033

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	06-30-17
Arizona	State Program	9	AZ0710	01-11-17
Arkansas DEQ	State Program	6	88-0689	09-01-16 *
California	ELAP	9	2510	03-31-18
Florida	NELAP	4	E81010	06-30-17
Georgia	State Program	4	N/A	06-30-17
Illinois	NELAP	5	200041	10-09-16
Iowa	State Program	7	367	07-31-16 *
Kansas	NELAP	7	E-10253	10-31-16
Kentucky (UST)	State Program	4	53	06-30-17
Kentucky (WW)	State Program	4	98030	12-31-16
Louisiana	NELAP	6	30976	06-30-17
Maryland	State Program	3	233	09-30-17
Massachusetts	State Program	1	M-FL094	06-30-17
Michigan	State Program	5	9912	05-06-17
New Jersey	NELAP	2	FL006	06-30-17
North Carolina (WW/SW)	State Program	4	314	12-31-16
Oklahoma	State Program	6	9810	08-31-17
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	06-30-17
Texas	NELAP	6	T104704286-15-9	09-30-16
USDA	Federal		P330-16-00172	05-24-19
Virginia	NELAP	3	460166	06-14-17
Washington	State Program	10	C915	05-15-17
West Virginia DEP	State Program	3	136	08-31-16 *

* Certification renewal pending - certification considered valid.

Roxana Groundwater Quarterly – 3rd Quarter 2016 Data Review

Laboratory SDG: 400-124218-1-R1

Data Reviewer: Melissa Mansker

Peer Reviewer: Elizabeth Kunkel

Date Reviewed: 9/13/2016

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

Sample Identification	Sample Identification
TB-ROX-070816R-8260	TB-ROX-070816R-8011
MW3-ROX-070816	MW5-ROX-070816

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 SVOCs in samples MW3-ROX-070816 and MW5-ROX-070816 were re-extracted 13 days outside of the extraction holding time criteria. Di-n-octyl phthalate was detected in the method blanks. Several SVOC LCS/LCSD recoveries and SVOC LCS/LCSD RPDs were outside evaluation criteria. The SVOC and PAH surrogate recoveries for terphenyl-d_{14} were outside criteria in sample MW5-ROX-070816. The continuing calibration verification for dibenz(a,h)anthracene exceeded evaluation criteria, biased low. These issues are addressed further in the appropriate sections below. Additionally, the laboratory report was revised to include laboratory QC data which had been inadvertently omitted from the initial laboratory report.

Additionally, the initial calibration verification for bromomethane, and the continuing calibration verification for 4-chloro-3-methylphenol, hexachlorobenzene, 2,4-dichlorophenol, 4-bromophenyl phenyl ether, n-nitrosodimethylamine, bis(2-ethylhexyl) phthalate, butyl benzyl phthalate, hexachlorocyclopendatiene, and di-n-octyl phthalate exceeded evaluation criteria. 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 two coolers was received by the laboratory at a temperature of 1.2°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?

No, SVOCs in samples MW3-ROX-070816 and MW5-ROX-070816 were re-extracted 13 days outside of the extraction holding time criteria (7 days) due to the omission of multiple spikes in the initial extraction. Holding time exceedances were greater than two times (2X) extraction criteria; therefore SVOCs in samples MW3-ROX-070816 and

MW5-ROX-070816 were reported from Run#1, which did not exceed holding time criteria. No qualification of data was required.

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 400-314243/1-A	SVOCs	Di-n-octyl phthalate	1.05 µg/L
MB 400-316146/1-A	SVOCs	Di-n-octyl phthalate	1.22 µg/L

Qualifications due to blank contamination are included in the table below. Analytical data that were reported non-detect or at concentrations greater than five times (5X) the associated blank concentration did not require qualification.

Sample ID	Parameter	Analyte	New Reporting Limit (RL)	Qualification
MW3-ROX-070816 Run #1	SVOCs	Di-n-octyl phthalate	-	**U**
MW5-ROX-070816 Run #1	SVOCs	Di-n-octyl phthalate	-	**U**

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 400-314243/2-A	SVOCs	Aniline	**8**	NA	10-145
LCS 400-314243/2-A	SVOCs	Pyridine	**0**	NA	10-127
LCS/LCSD 400-316146/2-A/3-A	SVOCs	Bis(2-ethylhexyl) phthalate	**157/159**	1	62-140/30
LCS/LCSD 400-316146/2-A/3-A	SVOCs	Butyl benzyl phthalate	**155/160**	3	51-150/30
LCS/LCSD 400-316146/2-A/3-A	SVOCs	Di-n-octyl phthalate	**149/149**	0	55-140/30
LCS/LCSD 400-316146/2-A/3-A	SVOCs	2-Nitroaniline	**136/145**	6	52-135/30
LCS/LCSD 400-316146/2-A/3-A	SVOCs	n-Nitrosodimethylamine	**142/146**	2	21-134/30
LCS/LCSD 400-316146/4-A/5-A	SVOCs	Benzenethiol	47/65	**32**	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. Additionally, LCS/LCSD 400-316146/2-A/3-A/4-A/5-A was associated with Run#2 of samples MW3-ROX-070816 and MW5-ROX-070816; SVOCs in samples MW3-ROX-070816 and MW5-ROX-070816 were reported from Run#1.

Sample ID	Parameter	Analyte	Qualification
MW3-ROX-070816 Run #1	SVOCs	Aniline	**UJ**
MW3-ROX-070816 Run #1	SVOCs	Pyridine	**UJ**
MW5-ROX-070816 Run #1	SVOCs	Aniline	**UJ**
MW5-ROX-070816 Run #1	SVOCs	Pyridine	**UJ**

6.0 Surrogate Recoveries

Were surrogate recoveries within evaluation criteria?

No

Sample ID	Parameter	Surrogate	Recovery (%)	Criteria (%)
MW5-ROX-070816	PAHs	Terphenyl-d_{14}	**30**	33-138
MW5-ROX-070816 Run #1	SVOCs	Terphenyl-d_{14}	**46**	53-125

Qualifications due to surrogate recoveries were not required due to only one of three base fraction surrogate recoveries being outside evaluation criteria in sample MW5-ROX-070816. 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?

Yes, the continuing calibration verification for dibenz(a,h)anthracene was below

acceptance criteria. Dibenz(a,h)anthracene was qualified as summarized in the following table.

Sample ID	Parameter	Analyte	New Reporting Limit (RL)	Qualification
MW3-ROX-070816	SVOCs	Dibenz(a,h)anthracene	-	**UJ**
MW5-ROX-070816	SVOCs	Dibenz(a,h)anthracene	-	**UJ**

Roxana Groundwater Quarterly – 3rd Quarter 2016 Data Review

Laboratory SDG: 400-124305-1

Data Reviewer: Melissa Mansker

Peer Reviewer: Elizabeth Kunkel

Date Reviewed: 8/5/2016

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

Sample Identification	Sample Identification
TB-ROX-071116R-8011	TB-ROX-071116R-8260
MW6D-ROX-071116	MW6D-ROX-071116-Dup
MW6C-ROX-071116	MW6B-ROX-071116
MW6A-ROX-071116	

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 several SVOC LCS/LCSD recoveries and SVOC LCS/LCSD RPDs were outside evaluation criteria. Several SVOC surrogate recoveries were outside criteria in samples MW6D-ROX-071116-Dup, MW6C-ROX-071116, and MW6A-ROX-071116. The Method 8260 VOC MS/MSD recoveries for 2-chloroethyl vinyl ether were outside evaluation criteria in sample MW6D-ROX-071116. These issues are addressed further in the appropriate sections below.

Additionally, the initial calibration verification for bromomethane, and the continuing calibration verification for n-nitrosodimethylamine, 2,4,5-trichlorophenol, 2,4,6-trichlorophenol, 2,6-dinitrophenol, 4-nitroaniline, and benzyl alcohol exceeded evaluation criteria. 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 three coolers was received by the laboratory at a temperature of 1.2°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?

No

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 400-314434/4-A/5-A	SVOCs	Benzenethiol	**2/3**	**40**	20-150/30
LCS/LCSD 400-314434/2-A/3-A	SVOCs	Aniline	68/24	**95**	10-145/30
LCS/LCSD 400-314434/2-A/3-A	SVOCs	Dibenz[a,h]acridine	60/**56**	6	60-131/30
LCS/LCSD 400-314434/2-A/3-A	SVOCs	Pyridine	54/**3**	**179**	10-127/30

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 if LCS/LCSD recoveries were within evaluation criteria.

Sample ID	Parameter	Analyte	Qualification
MW6D-ROX-071116	SVOCs	Benzenethiol	**UJ**
MW6D-ROX-071116	SVOCs	Dibenz[a,h]acridine	**UJ**
MW6D-ROX-071116	SVOCs	Pyridine	**UJ**
MW6D-ROX-071116-Dup	SVOCs	Benzenethiol	**UJ**
MW6D-ROX-071116-Dup	SVOCs	Dibenz[a,h]acridine	**UJ**
MW6D-ROX-071116-Dup	SVOCs	Pyridine	**UJ**
MW6C-ROX-071116	SVOCs	Benzenethiol	**UJ**
MW6C-ROX-071116	SVOCs	Dibenz[a,h]acridine	**UJ**
MW6C-ROX-071116	SVOCs	Pyridine	**UJ**
MW6B-ROX-071116	SVOCs	Benzenethiol	**UJ**
MW6B-ROX-071116	SVOCs	Dibenz[a,h]acridine	**UJ**
MW6B-ROX-071116	SVOCs	Pyridine	**UJ**
MW6A-ROX-071116	SVOCs	Benzenethiol	**UJ**
MW6A-ROX-071116	SVOCs	Dibenz[a,h]acridine	**UJ**
MW6A-ROX-071116	SVOCs	Pyridine	**UJ**

6.0 Surrogate Recoveries

Were surrogate recoveries within evaluation criteria?

No

Sample ID	Parameter	Surrogate	Recovery (%)	Criteria (%)
MW6D-ROX-071116-Dup	SVOCs	Terphenyl-d_{14}	**46**	53-125
MW6C-ROX-071116	SVOCs	Phenol-d_5	**126**	10-120
MW6C-ROX-071116	SVOCs	2,4,6-Tribromophenol	**143**	15-135
MW6A-ROX-071116	SVOCs	Terphenyl-d_{14}	**44**	53-125

Qualifications due to surrogate recoveries were not required due to only one of three base fraction recoveries being outside evaluation criteria in samples MW6D-ROX-071116-Dup and MW6A-ROX-071116. Analytical data reported with surrogate recoveries above evaluation criteria, indicating a possible high bias, were non-detect in sample MW6C-ROX-071116 and did not require qualification. 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 MW6D-ROX-071116 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
MW6D-ROX-071116	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?

Yes

Field ID	Field Duplicate ID
MW6D-ROX-071116	MW6D-ROX-071116-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: 400-124305-1
TestAmerica SDG: 60477387 - 1.03.003/1.03.0033
Client Project/Site: ROXANA QUARTERLY GW - 3Q16

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

Attn: Mrs. Elizabeth Kunkel

Carolyn W. Hooper

Authorized for release by:
7/27/2016 5:52:05 PM

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Reviewed 8/5/16 KH

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: 400-124305-1

Laboratory: TestAmerica Pensacola

Narrative

Job Narrative
400-124305-1

Receipt
The samples were received on 7/12/2016 10:18 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 3 coolers at receipt time were 1.2°C, 2.6°C and 4.2°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-071116R-8260 (400-124305-2), MW6D-ROX-071116 (400-124305-3), MW6D-ROX-071116-DUP (400-124305-4), MW6C-ROX-071116 (400-124305-5), MW6B-ROX-071116 (400-124305-6) and MW6A-ROX-071116 (400-124305-7). 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 matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-314441 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 analytical batch 400-314441 because the recoveries were below the reporting limit due to the acidic nature of the parent sample.

The initial calibration verification (ICV) analyzed in batch 400-313890 was outside method criteria for the following analyte: bromomethane. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

GC/MS Semi VOA
Method 8270D: The following analyte recovered outside control limits for the LCSD associated with preparation batch 400-314434 and analytical batch 400-314976: Aniline, Pyridine and Dibenz[a,h]acridine. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.

The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for preparation batch 400-314434 and analytical batch 400-314976 recovered outside control limits for the following analyte: Phenylmercaptan. Phenylmercaptan has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed.

The continuing calibration verification (CCV) associated with batch 400-314976 recovered above the upper control limit for N-Nitrosodimethylamine, 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, 2,6-Dinitrophenol and 4-Nitroaniline. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following sample is impacted: MW6D-ROX-071116 (400-124305-3).

The continuing calibration verification (CCV) associated with batch 400-315168 recovered above the upper control limit for Benzyl alcohol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: MW6D-ROX-071116-DUP (400-124305-4), MW6C-ROX-071116 (400-124305-5), MW6B-ROX-071116 (400-124305-6) and MW6A-ROX-071116 (400-124305-7).

Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base 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-071116-DUP (400-124305-4) and MW6A-ROX-071116 (400-124305-7). These results have been reported and qualified.

Surrogate recovery for the following sample was outside the upper control limit: MW6C-ROX-071116 (400-124305-5). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

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 - 3Q16

TestAmerica Job ID: 400-124305-1
SDG: 60477387 - 1.03.003/1.03.0033

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-124305-1	TB-ROX-071116R-8011	Water	07/11/16 00:00	07/12/16 10:18
400-124305-2	TB-ROX-071116R-8260	Water	07/11/16 00:00	07/12/16 10:18
400-124305-3	MW6D-ROX-071116	Water	07/11/16 09:20	07/12/16 10:18
400-124305-4	MW6D-ROX-071116-DUP	Water	07/11/16 09:20	07/12/16 10:18
400-124305-5	MW6C-ROX-071116	Water	07/11/16 10:30	07/12/16 10:18
400-124305-6	MW6B-ROX-071116	Water	07/11/16 12:45	07/12/16 10:18
400-124305-7	MW6A-ROX-071116	Water	07/11/16 13:30	07/12/16 10:18

Detection Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 3Q16

TestAmerica Job ID: 400-124305-1
SDG: 60477387 - 1.03.003/1.03.0033

Client Sample ID: TB-ROX-071116R-8011 — Lab Sample ID: 400-124305-1

No Detections.

Client Sample ID: TB-ROX-071116R-8260 — Lab Sample ID: 400-124305-2

No Detections.

Client Sample ID: MW6D-ROX-071116 — Lab Sample ID: 400-124305-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1-Methylnaphthalene	0.045	J	0.20	0.020	ug/L	1		8270D LL	Total/NA
2-Methylnaphthalene	0.051	J	0.20	0.020	ug/L	1		8270D LL	Total/NA
Bis(2-ethylhexyl) phthalate	13		10	2.3	ug/L	1		8270D	Total/NA
Di-n-octyl phthalate	0.79	J	10	0.44	ug/L	1		8270D	Total/NA

Client Sample ID: MW6D-ROX-071116-DUP — Lab Sample ID: 400-124305-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Di-n-octyl phthalate	0.82	J	10	0.44	ug/L	1		8270D	Total/NA

Client Sample ID: MW6C-ROX-071116 — Lab Sample ID: 400-124305-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1-Methylnaphthalene	0.043	J	0.20	0.020	ug/L	1		8270D LL	Total/NA
2-Methylnaphthalene	0.047	J	0.20	0.020	ug/L	1		8270D LL	Total/NA
Di-n-octyl phthalate	0.59	J	10	0.44	ug/L	1		8270D	Total/NA

Client Sample ID: MW6B-ROX-071116 — Lab Sample ID: 400-124305-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	1.9		1.0	0.74	ug/L	1		8260B	Total/NA
Benzo[a]anthracene	0.054	J	0.20	0.040	ug/L	1		8270D LL	Total/NA
Benzo[a]pyrene	0.082	J	0.20	0.040	ug/L	1		8270D LL	Total/NA
Benzo[b]fluoranthene	0.14	J	0.20	0.040	ug/L	1		8270D LL	Total/NA
Benzo[g,h,i]perylene	0.079	J	0.20	0.040	ug/L	1		8270D LL	Total/NA
Benzo[k]fluoranthene	0.13	J	0.20	0.040	ug/L	1		8270D LL	Total/NA
Chrysene	0.040	J	0.20	0.040	ug/L	1		8270D LL	Total/NA
Dibenz(a,h)anthracene	0.069	J	0.20	0.040	ug/L	1		8270D LL	Total/NA
Indeno[1,2,3-cd]pyrene	0.11	J	0.20	0.040	ug/L	1		8270D LL	Total/NA
Di-n-octyl phthalate	0.55	J	10	0.44	ug/L	1		8270D	Total/NA

Client Sample ID: MW6A-ROX-071116 — Lab Sample ID: 400-124305-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	3.6		1.0	0.74	ug/L	1		8260B	Total/NA
Di-n-octyl phthalate	0.86	J	10	0.44	ug/L	1		8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 3Q16

TestAmerica Job ID: 400-124305-1
SDG: 60477387 - 1.03.003/1.03.0033

Client Sample ID: TB-ROX-071116R-8011
Date Collected: 07/11/16 00:00
Date Received: 07/12/16 10:18

Lab Sample ID: 400-124305-1
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		07/16/16 11:14	07/18/16 12:17	1
1,2-Dibromoethane	ND		0.019	0.0049	ug/L		07/16/16 11:14	07/18/16 12:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*51 - 149*	*07/16/16 11:14*	*07/18/16 12:17*	*1*

Client Sample ID: TB-ROX-071116R-8260

Date Collected: 07/11/16 00:00
Date Received: 07/12/16 10:18

Lab Sample ID: 400-124305-2

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			07/15/16 12:38	1
Acrolein	ND		20	10	ug/L			07/15/16 12:38	1
Acrylonitrile	ND		10	2.8	ug/L			07/15/16 12:38	1
Benzene	ND		1.0	0.38	ug/L			07/15/16 12:38	1
Bromobenzene	ND		1.0	0.54	ug/L			07/15/16 12:38	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/15/16 12:38	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/15/16 12:38	1
Bromoform	ND		5.0	0.71	ug/L			07/15/16 12:38	1
Bromomethane	ND		1.0	0.98	ug/L			07/15/16 12:38	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/15/16 12:38	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/15/16 12:38	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			07/15/16 12:38	1
Chlorobenzene	ND		1.0	0.50	ug/L			07/15/16 12:38	1
Dibromochloromethane	ND		1.0	0.50	ug/L			07/15/16 12:38	1
Chloroethane	ND		1.0	0.76	ug/L			07/15/16 12:38	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/15/16 12:38	1
Chloroform	ND		1.0	0.60	ug/L			07/15/16 12:38	1
1-Chlorohexane	ND		1.0	0.70	ug/L			07/15/16 12:38	1
Chloromethane	ND		1.0	0.83	ug/L			07/15/16 12:38	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/15/16 12:38	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/15/16 12:38	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/15/16 12:38	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/15/16 12:38	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/15/16 12:38	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/15/16 12:38	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/15/16 12:38	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			07/15/16 12:38	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/15/16 12:38	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/15/16 12:38	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/15/16 12:38	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/15/16 12:38	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			07/15/16 12:38	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/15/16 12:38	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/15/16 12:38	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/15/16 12:38	1
2-Hexanone	ND		25	3.1	ug/L			07/15/16 12:38	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/15/16 12:38	1
Methylene bromide	ND		5.0	0.59	ug/L			07/15/16 12:38	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/15/16 12:38	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/15/16 12:38	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			07/15/16 12:38	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			07/15/16 12:38	1
Naphthalene	ND		1.0	1.0	ug/L			07/15/16 12:38	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/15/16 12:38	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/15/16 12:38	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/15/16 12:38	1
o-Xylene	ND		5.0	0.60	ug/L			07/15/16 12:38	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/15/16 12:38	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/15/16 12:38	1

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 3Q16

TestAmerica Job ID: 400-124305-1
SDG: 60477387 - 1.03.003/1.03.0033

Client Sample ID: TB-ROX-071116R-8260
Date Collected: 07/11/16 00:00
Date Received: 07/12/16 10:18

Lab Sample ID: 400-124305-2
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			07/15/16 12:38	1
Styrene	ND		1.0	1.0	ug/L			07/15/16 12:38	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/15/16 12:38	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			07/15/16 12:38	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/15/16 12:38	1
Tetrachloroethene	ND		1.0	0.58	ug/L			07/15/16 12:38	1
Toluene	ND		1.0	0.70	ug/L			07/15/16 12:38	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/15/16 12:38	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/15/16 12:38	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			07/15/16 12:38	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/15/16 12:38	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			07/15/16 12:38	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			07/15/16 12:38	1
Trichloroethene	ND		1.0	0.50	ug/L			07/15/16 12:38	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			07/15/16 12:38	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/15/16 12:38	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/15/16 12:38	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/15/16 12:38	1
Vinyl acetate	ND		25	2.0	ug/L			07/15/16 12:38	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/15/16 12:38	1
Xylenes, Total	ND		10	1.6	ug/L			07/15/16 12:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*78 - 118*		*07/15/16 12:38*	*1*
Dibromofluoromethane	*103*		*81 - 121*		*07/15/16 12:38*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*07/15/16 12:38*	*1*

Client Sample ID: MW6D-ROX-071116
Date Collected: 07/11/16 09:20
Date Received: 07/12/16 10:18

Lab Sample ID: 400-124305-3
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			07/15/16 13:05	1
Acrolein	ND		20	10	ug/L			07/15/16 13:05	1
Acrylonitrile	ND		10	2.8	ug/L			07/15/16 13:05	1
Benzene	ND		1.0	0.38	ug/L			07/15/16 13:05	1
Bromobenzene	ND		1.0	0.54	ug/L			07/15/16 13:05	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/15/16 13:05	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/15/16 13:05	1
Bromoform	ND		5.0	0.71	ug/L			07/15/16 13:05	1
Bromomethane	ND		1.0	0.98	ug/L			07/15/16 13:05	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/15/16 13:05	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/15/16 13:05	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			07/15/16 13:05	1
Chlorobenzene	ND		1.0	0.50	ug/L			07/15/16 13:05	1
Dibromochloromethane	ND		1.0	0.50	ug/L			07/15/16 13:05	1
Chloroethane	ND		1.0	0.76	ug/L			07/15/16 13:05	1
2-Chloroethyl vinyl ether	ND	F1	5.0	2.0	ug/L			07/15/16 13:05	1
Chloroform	ND		1.0	0.60	ug/L			07/15/16 13:05	1
1-Chlorohexane	ND		1.0	0.70	ug/L			07/15/16 13:05	1
Chloromethane	ND		1.0	0.83	ug/L			07/15/16 13:05	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/15/16 13:05	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/15/16 13:05	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/15/16 13:05	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/15/16 13:05	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/15/16 13:05	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/15/16 13:05	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/15/16 13:05	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			07/15/16 13:05	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/15/16 13:05	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/15/16 13:05	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/15/16 13:05	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/15/16 13:05	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			07/15/16 13:05	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/15/16 13:05	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/15/16 13:05	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/15/16 13:05	1
2-Hexanone	ND		25	3.1	ug/L			07/15/16 13:05	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/15/16 13:05	1
Methylene bromide	ND		5.0	0.59	ug/L			07/15/16 13:05	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/15/16 13:05	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/15/16 13:05	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			07/15/16 13:05	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			07/15/16 13:05	1
Naphthalene	ND		1.0	1.0	ug/L			07/15/16 13:05	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/15/16 13:05	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/15/16 13:05	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/15/16 13:05	1
o-Xylene	ND		5.0	0.60	ug/L			07/15/16 13:05	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/15/16 13:05	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/15/16 13:05	1

Client Sample ID: MW6D-ROX-071116
Date Collected: 07/11/16 09:20
Date Received: 07/12/16 10:18

Lab Sample ID: 400-124305-3
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			07/15/16 13:05	1
Styrene	ND		1.0	1.0	ug/L			07/15/16 13:05	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/15/16 13:05	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			07/15/16 13:05	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/15/16 13:05	1
Tetrachloroethene	ND		1.0	0.58	ug/L			07/15/16 13:05	1
Toluene	ND		1.0	0.70	ug/L			07/15/16 13:05	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/15/16 13:05	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/15/16 13:05	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			07/15/16 13:05	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/15/16 13:05	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			07/15/16 13:05	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			07/15/16 13:05	1
Trichloroethene	ND		1.0	0.50	ug/L			07/15/16 13:05	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			07/15/16 13:05	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/15/16 13:05	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/15/16 13:05	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/15/16 13:05	1
Vinyl acetate	ND		25	2.0	ug/L			07/15/16 13:05	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/15/16 13:05	1
Xylenes, Total	ND		10	1.6	ug/L			07/15/16 13:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*78 - 118*		*07/15/16 13:05*	*1*
Dibromofluoromethane	*101*		*81 - 121*		*07/15/16 13:05*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*07/15/16 13:05*	*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		07/15/16 09:43	07/20/16 10:11	1
Acenaphthylene	ND		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 10:11	1
Anthracene	ND		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 10:11	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 10:11	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 10:11	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 10:11	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 10:11	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 10:11	1
Chrysene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 10:11	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 10:11	1
Fluoranthene	ND		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 10:11	1
Fluorene	ND		0.20	0.021	ug/L		07/15/16 09:43	07/20/16 10:11	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 10:11	1
Phenanthrene	ND		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 10:11	1
Pyrene	ND		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 10:11	1
1-Methylnaphthalene	**0.045**	J	0.20	0.020	ug/L		07/15/16 09:43	07/20/16 10:11	1
2-Methylnaphthalene	**0.051**	J	0.20	0.020	ug/L		07/15/16 09:43	07/20/16 10:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*68*		*33 - 138*	*07/15/16 09:43*	*07/20/16 10:11*	*1*
2-Fluorobiphenyl	*63*		*15 - 122*	*07/15/16 09:43*	*07/20/16 10:11*	*1*

Client Sample ID: MW6D-ROX-071116
Date Collected: 07/11/16 09:20
Date Received: 07/12/16 10:18

Lab Sample ID: 400-124305-3
Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*61*		*19 - 130*	*07/15/16 09:43*	*07/20/16 10:11*	*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		07/15/16 09:43	07/20/16 20:40	1
Benzenethiol	ND	* UJ	10	1.7	ug/L		07/15/16 09:43	07/20/16 20:40	1
Benzoic acid	ND		30	7.3	ug/L		07/15/16 09:43	07/20/16 20:40	1
Benzyl alcohol	ND		10	2.0	ug/L		07/15/16 09:43	07/20/16 20:40	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		07/15/16 09:43	07/20/16 20:40	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		07/15/16 09:43	07/20/16 20:40	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		07/15/16 09:43	07/20/16 20:40	1
Bis(2-ethylhexyl) phthalate	**13**		10	2.3	ug/L		07/15/16 09:43	07/20/16 20:40	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		07/15/16 09:43	07/20/16 20:40	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		07/15/16 09:43	07/20/16 20:40	1
4-Chloroaniline	ND		10	3.4	ug/L		07/15/16 09:43	07/20/16 20:40	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		07/15/16 09:43	07/20/16 20:40	1
2-Chloronaphthalene	ND		10	0.52	ug/L		07/15/16 09:43	07/20/16 20:40	1
2-Chlorophenol	ND		10	2.2	ug/L		07/15/16 09:43	07/20/16 20:40	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		07/15/16 09:43	07/20/16 20:40	1
Dibenz[a,h]acridine	ND	* UJ	10	3.0	ug/L		07/15/16 09:43	07/20/16 20:40	1
Dibenzofuran	ND		10	0.52	ug/L		07/15/16 09:43	07/20/16 20:40	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		07/15/16 09:43	07/20/16 20:40	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		07/15/16 09:43	07/20/16 20:40	1
Diethyl phthalate	ND		10	0.70	ug/L		07/15/16 09:43	07/20/16 20:40	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		07/15/16 09:43	07/20/16 20:40	1
Dimethyl phthalate	ND		10	0.60	ug/L		07/15/16 09:43	07/20/16 20:40	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		07/15/16 09:43	07/20/16 20:40	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/15/16 09:43	07/20/16 20:40	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		07/15/16 09:43	07/20/16 20:40	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		07/15/16 09:43	07/20/16 20:40	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		07/15/16 09:43	07/20/16 20:40	1
Di-n-octyl phthalate	**0.79**	J	10	0.44	ug/L		07/15/16 09:43	07/20/16 20:40	1
1,4-Dioxane	ND		10	1.0	ug/L		07/15/16 09:43	07/20/16 20:40	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		07/15/16 09:43	07/20/16 20:40	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/15/16 09:43	07/20/16 20:40	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		07/15/16 09:43	07/20/16 20:40	1
Hexachloroethane	ND		10	4.2	ug/L		07/15/16 09:43	07/20/16 20:40	1
Indene	ND		10	1.0	ug/L		07/15/16 09:43	07/20/16 20:40	1
Isophorone	ND		10	0.57	ug/L		07/15/16 09:43	07/20/16 20:40	1
2-Methylphenol	ND		10	1.8	ug/L		07/15/16 09:43	07/20/16 20:40	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		07/15/16 09:43	07/20/16 20:40	1
2-Nitroaniline	ND		10	2.2	ug/L		07/15/16 09:43	07/20/16 20:40	1
3-Nitroaniline	ND		10	1.8	ug/L		07/15/16 09:43	07/20/16 20:40	1
4-Nitroaniline	ND		10	2.5	ug/L		07/15/16 09:43	07/20/16 20:40	1
Nitrobenzene	ND		10	0.55	ug/L		07/15/16 09:43	07/20/16 20:40	1
2-Nitrophenol	ND		10	0.65	ug/L		07/15/16 09:43	07/20/16 20:40	1
4-Nitrophenol	ND		10	2.1	ug/L		07/15/16 09:43	07/20/16 20:40	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		07/15/16 09:43	07/20/16 20:40	1

Client Sample ID: MW6D-ROX-071116
Date Collected: 07/11/16 09:20
Date Received: 07/12/16 10:18

Lab Sample ID: 400-124305-3
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		07/15/16 09:43	07/20/16 20:40	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		07/15/16 09:43	07/20/16 20:40	1
Pentachlorophenol	ND		20	1.8	ug/L		07/15/16 09:43	07/20/16 20:40	1
Phenol	ND		10	2.6	ug/L		07/15/16 09:43	07/20/16 20:40	1
Pyridine	ND	* UJ	10	3.2	ug/L		07/15/16 09:43	07/20/16 20:40	1
Quinoline	ND		10	6.0	ug/L		07/15/16 09:43	07/20/16 20:40	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		07/15/16 09:43	07/20/16 20:40	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		07/15/16 09:43	07/20/16 20:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*34 - 120*	*07/15/16 09:43*	*07/20/16 20:40*	*1*
2-Fluorophenol	*58*		*10 - 120*	*07/15/16 09:43*	*07/20/16 20:40*	*1*
Nitrobenzene-d5	*64*		*27 - 120*	*07/15/16 09:43*	*07/20/16 20:40*	*1*
Phenol-d5	*61*		*10 - 120*	*07/15/16 09:43*	*07/20/16 20:40*	*1*
Terphenyl-d14	*69*		*53 - 125*	*07/15/16 09:43*	*07/20/16 20:40*	*1*
2,4,6-Tribromophenol	*83*		*15 - 135*	*07/15/16 09:43*	*07/20/16 20:40*	*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		07/16/16 11:14	07/18/16 12:47	1
1,2-Dibromoethane	ND		0.021	0.0052	ug/L		07/16/16 11:14	07/18/16 12:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*82*		*51 - 149*	*07/16/16 11:14*	*07/18/16 12:47*	*1*

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 3Q16

TestAmerica Job ID: 400-124305-1
SDG: 60477387 - 1.03.003/1.03.0033

Client Sample ID: MW6D-ROX-071116-DUP
Date Collected: 07/11/16 09:20
Date Received: 07/12/16 10:18

Lab Sample ID: 400-124305-4
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			07/15/16 14:55	1
Acrolein	ND		20	10	ug/L			07/15/16 14:55	1
Acrylonitrile	ND		10	2.8	ug/L			07/15/16 14:55	1
Benzene	ND		1.0	0.38	ug/L			07/15/16 14:55	1
Bromobenzene	ND		1.0	0.54	ug/L			07/15/16 14:55	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/15/16 14:55	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/15/16 14:55	1
Bromoform	ND		5.0	0.71	ug/L			07/15/16 14:55	1
Bromomethane	ND		1.0	0.98	ug/L			07/15/16 14:55	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/15/16 14:55	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/15/16 14:55	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			07/15/16 14:55	1
Chlorobenzene	ND		1.0	0.50	ug/L			07/15/16 14:55	1
Dibromochloromethane	ND		1.0	0.50	ug/L			07/15/16 14:55	1
Chloroethane	ND		1.0	0.76	ug/L			07/15/16 14:55	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/15/16 14:55	1
Chloroform	ND		1.0	0.60	ug/L			07/15/16 14:55	1
1-Chlorohexane	ND		1.0	0.70	ug/L			07/15/16 14:55	1
Chloromethane	ND		1.0	0.83	ug/L			07/15/16 14:55	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/15/16 14:55	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/15/16 14:55	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/15/16 14:55	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/15/16 14:55	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/15/16 14:55	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/15/16 14:55	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/15/16 14:55	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			07/15/16 14:55	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/15/16 14:55	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/15/16 14:55	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/15/16 14:55	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/15/16 14:55	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			07/15/16 14:55	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/15/16 14:55	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/15/16 14:55	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/15/16 14:55	1
2-Hexanone	ND		25	3.1	ug/L			07/15/16 14:55	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/15/16 14:55	1
Methylene bromide	ND		5.0	0.59	ug/L			07/15/16 14:55	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/15/16 14:55	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/15/16 14:55	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			07/15/16 14:55	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			07/15/16 14:55	1
Naphthalene	ND		1.0	1.0	ug/L			07/15/16 14:55	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/15/16 14:55	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/15/16 14:55	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/15/16 14:55	1
o-Xylene	ND		5.0	0.60	ug/L			07/15/16 14:55	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/15/16 14:55	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/15/16 14:55	1

Client Sample ID: MW6D-ROX-071116-DUP
Date Collected: 07/11/16 09:20
Date Received: 07/12/16 10:18

Lab Sample ID: 400-124305-4
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			07/15/16 14:55	1
Styrene	ND		1.0	1.0	ug/L			07/15/16 14:55	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/15/16 14:55	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			07/15/16 14:55	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/15/16 14:55	1
Tetrachloroethene	ND		1.0	0.58	ug/L			07/15/16 14:55	1
Toluene	ND		1.0	0.70	ug/L			07/15/16 14:55	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/15/16 14:55	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/15/16 14:55	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			07/15/16 14:55	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/15/16 14:55	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			07/15/16 14:55	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			07/15/16 14:55	1
Trichloroethene	ND		1.0	0.50	ug/L			07/15/16 14:55	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			07/15/16 14:55	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/15/16 14:55	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/15/16 14:55	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/15/16 14:55	1
Vinyl acetate	ND		25	2.0	ug/L			07/15/16 14:55	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/15/16 14:55	1
Xylenes, Total	ND		10	1.6	ug/L			07/15/16 14:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*78 - 118*		*07/15/16 14:55*	*1*
Dibromofluoromethane	*101*		*81 - 121*		*07/15/16 14:55*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*07/15/16 14:55*	*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		07/15/16 09:43	07/20/16 10:37	1
Acenaphthylene	ND		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 10:37	1
Anthracene	ND		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 10:37	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 10:37	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 10:37	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 10:37	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 10:37	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 10:37	1
Chrysene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 10:37	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 10:37	1
Fluoranthene	ND		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 10:37	1
Fluorene	ND		0.20	0.021	ug/L		07/15/16 09:43	07/20/16 10:37	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 10:37	1
Phenanthrene	ND		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 10:37	1
Pyrene	ND		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 10:37	1
1-Methylnaphthalene	ND		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 10:37	1
2-Methylnaphthalene	ND		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 10:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*60*		*33 - 138*	*07/15/16 09:43*	*07/20/16 10:37*	*1*
2-Fluorobiphenyl	*53*		*15 - 122*	*07/15/16 09:43*	*07/20/16 10:37*	*1*

Client Sample ID: MW6D-ROX-071116-DUP
Date Collected: 07/11/16 09:20
Date Received: 07/12/16 10:18

Lab Sample ID: 400-124305-4
Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	50		19 - 130	07/15/16 09:43	07/20/16 10:37	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		07/15/16 09:43	07/21/16 12:29	1
Benzenethiol	ND	* UJ	10	1.7	ug/L		07/15/16 09:43	07/21/16 12:29	1
Benzoic acid	ND		30	7.3	ug/L		07/15/16 09:43	07/21/16 12:29	1
Benzyl alcohol	ND		10	2.0	ug/L		07/15/16 09:43	07/21/16 12:29	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		07/15/16 09:43	07/21/16 12:29	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		07/15/16 09:43	07/21/16 12:29	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		07/15/16 09:43	07/21/16 12:29	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		07/15/16 09:43	07/21/16 12:29	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		07/15/16 09:43	07/21/16 12:29	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		07/15/16 09:43	07/21/16 12:29	1
4-Chloroaniline	ND		10	3.4	ug/L		07/15/16 09:43	07/21/16 12:29	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		07/15/16 09:43	07/21/16 12:29	1
2-Chloronaphthalene	ND		10	0.52	ug/L		07/15/16 09:43	07/21/16 12:29	1
2-Chlorophenol	ND		10	2.2	ug/L		07/15/16 09:43	07/21/16 12:29	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		07/15/16 09:43	07/21/16 12:29	1
Dibenz[a,h]acridine	ND	UJ	10	3.0	ug/L		07/15/16 09:43	07/21/16 12:29	1
Dibenzofuran	ND		10	0.52	ug/L		07/15/16 09:43	07/21/16 12:29	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		07/15/16 09:43	07/21/16 12:29	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		07/15/16 09:43	07/21/16 12:29	1
Diethyl phthalate	ND		10	0.70	ug/L		07/15/16 09:43	07/21/16 12:29	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		07/15/16 09:43	07/21/16 12:29	1
Dimethyl phthalate	ND		10	0.60	ug/L		07/15/16 09:43	07/21/16 12:29	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		07/15/16 09:43	07/21/16 12:29	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/15/16 09:43	07/21/16 12:29	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		07/15/16 09:43	07/21/16 12:29	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		07/15/16 09:43	07/21/16 12:29	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		07/15/16 09:43	07/21/16 12:29	1
Di-n-octyl phthalate	0.82	J	10	0.44	ug/L		07/15/16 09:43	07/21/16 12:29	1
1,4-Dioxane	ND		10	1.0	ug/L		07/15/16 09:43	07/21/16 12:29	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		07/15/16 09:43	07/21/16 12:29	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/15/16 09:43	07/21/16 12:29	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		07/15/16 09:43	07/21/16 12:29	1
Hexachloroethane	ND		10	4.2	ug/L		07/15/16 09:43	07/21/16 12:29	1
Indene	ND		10	1.0	ug/L		07/15/16 09:43	07/21/16 12:29	1
Isophorone	ND		10	0.57	ug/L		07/15/16 09:43	07/21/16 12:29	1
2-Methylphenol	ND		10	1.8	ug/L		07/15/16 09:43	07/21/16 12:29	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		07/15/16 09:43	07/21/16 12:29	1
2-Nitroaniline	ND		10	2.2	ug/L		07/15/16 09:43	07/21/16 12:29	1
3-Nitroaniline	ND		10	1.8	ug/L		07/15/16 09:43	07/21/16 12:29	1
4-Nitroaniline	ND		10	2.5	ug/L		07/15/16 09:43	07/21/16 12:29	1
Nitrobenzene	ND		10	0.55	ug/L		07/15/16 09:43	07/21/16 12:29	1
2-Nitrophenol	ND		10	0.65	ug/L		07/15/16 09:43	07/21/16 12:29	1
4-Nitrophenol	ND		10	2.1	ug/L		07/15/16 09:43	07/21/16 12:29	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		07/15/16 09:43	07/21/16 12:29	1

Client Sample ID: MW6D-ROX-071116-DUP
Date Collected: 07/11/16 09:20
Date Received: 07/12/16 10:18

Lab Sample ID: 400-124305-4
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		07/15/16 09:43	07/21/16 12:29	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		07/15/16 09:43	07/21/16 12:29	1
Pentachlorophenol	ND		20	1.8	ug/L		07/15/16 09:43	07/21/16 12:29	1
Phenol	ND		10	2.6	ug/L		07/15/16 09:43	07/21/16 12:29	1
Pyridine	ND	UJ	10	3.2	ug/L		07/15/16 09:43	07/21/16 12:29	1
Quinoline	ND		10	6.0	ug/L		07/15/16 09:43	07/21/16 12:29	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		07/15/16 09:43	07/21/16 12:29	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		07/15/16 09:43	07/21/16 12:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*52*		*34 - 120*	*07/15/16 09:43*	*07/21/16 12:29*	*1*
2-Fluorophenol	*49*		*10 - 120*	*07/15/16 09:43*	*07/21/16 12:29*	*1*
Nitrobenzene-d5	*53*		*27 - 120*	*07/15/16 09:43*	*07/21/16 12:29*	*1*
Phenol-d5	*56*		*10 - 120*	*07/15/16 09:43*	*07/21/16 12:29*	*1*
Terphenyl-d14	*46*	*X*	*53 - 125*	*07/15/16 09:43*	*07/21/16 12:29*	*1*
2,4,6-Tribromophenol	*65*		*15 - 135*	*07/15/16 09:43*	*07/21/16 12:29*	*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		0.029	0.0054	ug/L		07/16/16 11:14	07/18/16 13:17	1
1,2-Dibromoethane	ND		0.020	0.0049	ug/L		07/16/16 11:14	07/18/16 13:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*51 - 149*	*07/16/16 11:14*	*07/18/16 13:17*	*1*

Client Sample ID: MW6C-ROX-071116
Date Collected: 07/11/16 10:30
Date Received: 07/12/16 10:18

Lab Sample ID: 400-124305-5
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			07/15/16 15:22	1
Acrolein	ND		20	10	ug/L			07/15/16 15:22	1
Acrylonitrile	ND		10	2.8	ug/L			07/15/16 15:22	1
Benzene	ND		1.0	0.38	ug/L			07/15/16 15:22	1
Bromobenzene	ND		1.0	0.54	ug/L			07/15/16 15:22	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/15/16 15:22	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/15/16 15:22	1
Bromoform	ND		5.0	0.71	ug/L			07/15/16 15:22	1
Bromomethane	ND		1.0	0.98	ug/L			07/15/16 15:22	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/15/16 15:22	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/15/16 15:22	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			07/15/16 15:22	1
Chlorobenzene	ND		1.0	0.50	ug/L			07/15/16 15:22	1
Dibromochloromethane	ND		1.0	0.50	ug/L			07/15/16 15:22	1
Chloroethane	ND		1.0	0.76	ug/L			07/15/16 15:22	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/15/16 15:22	1
Chloroform	ND		1.0	0.60	ug/L			07/15/16 15:22	1
1-Chlorohexane	ND		1.0	0.70	ug/L			07/15/16 15:22	1
Chloromethane	ND		1.0	0.83	ug/L			07/15/16 15:22	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/15/16 15:22	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/15/16 15:22	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/15/16 15:22	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/15/16 15:22	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/15/16 15:22	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/15/16 15:22	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/15/16 15:22	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			07/15/16 15:22	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/15/16 15:22	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/15/16 15:22	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/15/16 15:22	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/15/16 15:22	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			07/15/16 15:22	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/15/16 15:22	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/15/16 15:22	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/15/16 15:22	1
2-Hexanone	ND		25	3.1	ug/L			07/15/16 15:22	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/15/16 15:22	1
Methylene bromide	ND		5.0	0.59	ug/L			07/15/16 15:22	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/15/16 15:22	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/15/16 15:22	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			07/15/16 15:22	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			07/15/16 15:22	1
Naphthalene	ND		1.0	1.0	ug/L			07/15/16 15:22	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/15/16 15:22	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/15/16 15:22	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/15/16 15:22	1
o-Xylene	ND		5.0	0.60	ug/L			07/15/16 15:22	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/15/16 15:22	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/15/16 15:22	1

Client Sample ID: MW6C-ROX-071116
Date Collected: 07/11/16 10:30
Date Received: 07/12/16 10:18

Lab Sample ID: 400-124305-5
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			07/15/16 15:22	1
Styrene	ND		1.0	1.0	ug/L			07/15/16 15:22	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/15/16 15:22	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			07/15/16 15:22	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/15/16 15:22	1
Tetrachloroethene	ND		1.0	0.58	ug/L			07/15/16 15:22	1
Toluene	ND		1.0	0.70	ug/L			07/15/16 15:22	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/15/16 15:22	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/15/16 15:22	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			07/15/16 15:22	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/15/16 15:22	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			07/15/16 15:22	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			07/15/16 15:22	1
Trichloroethene	ND		1.0	0.50	ug/L			07/15/16 15:22	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			07/15/16 15:22	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/15/16 15:22	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/15/16 15:22	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/15/16 15:22	1
Vinyl acetate	ND		25	2.0	ug/L			07/15/16 15:22	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/15/16 15:22	1
Xylenes, Total	ND		10	1.6	ug/L			07/15/16 15:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*78 - 118*		*07/15/16 15:22*	*1*
Dibromofluoromethane	*102*		*81 - 121*		*07/15/16 15:22*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*07/15/16 15:22*	*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		07/15/16 09:43	07/20/16 11:03	1
Acenaphthylene	ND		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 11:03	1
Anthracene	ND		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 11:03	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 11:03	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 11:03	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 11:03	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 11:03	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 11:03	1
Chrysene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 11:03	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 11:03	1
Fluoranthene	ND		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 11:03	1
Fluorene	ND		0.20	0.021	ug/L		07/15/16 09:43	07/20/16 11:03	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 11:03	1
Phenanthrene	ND		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 11:03	1
Pyrene	ND		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 11:03	1
1-Methylnaphthalene	**0.043**	J	0.20	0.020	ug/L		07/15/16 09:43	07/20/16 11:03	1
2-Methylnaphthalene	**0.047**	J	0.20	0.020	ug/L		07/15/16 09:43	07/20/16 11:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*102*		*33 - 138*	*07/15/16 09:43*	*07/20/16 11:03*	*1*
2-Fluorobiphenyl	*112*		*15 - 122*	*07/15/16 09:43*	*07/20/16 11:03*	*1*

Client Sample ID: MW6C-ROX-071116
Date Collected: 07/11/16 10:30
Date Received: 07/12/16 10:18

Lab Sample ID: 400-124305-5
Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	*119*		*19 - 130*	*07/15/16 09:43*	*07/20/16 11:03*	*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		07/15/16 09:43	07/21/16 13:00	1
Benzenethiol	ND	* UJ	10	1.7	ug/L		07/15/16 09:43	07/21/16 13:00	1
Benzoic acid	ND		30	7.3	ug/L		07/15/16 09:43	07/21/16 13:00	1
Benzyl alcohol	ND		10	2.0	ug/L		07/15/16 09:43	07/21/16 13:00	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		07/15/16 09:43	07/21/16 13:00	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		07/15/16 09:43	07/21/16 13:00	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		07/15/16 09:43	07/21/16 13:00	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		07/15/16 09:43	07/21/16 13:00	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		07/15/16 09:43	07/21/16 13:00	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		07/15/16 09:43	07/21/16 13:00	1
4-Chloroaniline	ND		10	3.4	ug/L		07/15/16 09:43	07/21/16 13:00	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		07/15/16 09:43	07/21/16 13:00	1
2-Chloronaphthalene	ND		10	0.52	ug/L		07/15/16 09:43	07/21/16 13:00	1
2-Chlorophenol	ND		10	2.2	ug/L		07/15/16 09:43	07/21/16 13:00	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		07/15/16 09:43	07/21/16 13:00	1
Dibenz[a,h]acridine	ND	UJ	10	3.0	ug/L		07/15/16 09:43	07/21/16 13:00	1
Dibenzofuran	ND		10	0.52	ug/L		07/15/16 09:43	07/21/16 13:00	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		07/15/16 09:43	07/21/16 13:00	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		07/15/16 09:43	07/21/16 13:00	1
Diethyl phthalate	ND		10	0.70	ug/L		07/15/16 09:43	07/21/16 13:00	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		07/15/16 09:43	07/21/16 13:00	1
Dimethyl phthalate	ND		10	0.60	ug/L		07/15/16 09:43	07/21/16 13:00	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		07/15/16 09:43	07/21/16 13:00	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/15/16 09:43	07/21/16 13:00	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		07/15/16 09:43	07/21/16 13:00	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		07/15/16 09:43	07/21/16 13:00	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		07/15/16 09:43	07/21/16 13:00	1
Di-n-octyl phthalate	**0.59**	J	10	0.44	ug/L		07/15/16 09:43	07/21/16 13:00	1
1,4-Dioxane	ND		10	1.0	ug/L		07/15/16 09:43	07/21/16 13:00	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		07/15/16 09:43	07/21/16 13:00	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/15/16 09:43	07/21/16 13:00	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		07/15/16 09:43	07/21/16 13:00	1
Hexachloroethane	ND		10	4.2	ug/L		07/15/16 09:43	07/21/16 13:00	1
Indene	ND		10	1.0	ug/L		07/15/16 09:43	07/21/16 13:00	1
Isophorone	ND		10	0.57	ug/L		07/15/16 09:43	07/21/16 13:00	1
2-Methylphenol	ND		10	1.8	ug/L		07/15/16 09:43	07/21/16 13:00	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		07/15/16 09:43	07/21/16 13:00	1
2-Nitroaniline	ND		10	2.2	ug/L		07/15/16 09:43	07/21/16 13:00	1
3-Nitroaniline	ND		10	1.8	ug/L		07/15/16 09:43	07/21/16 13:00	1
4-Nitroaniline	ND		10	2.5	ug/L		07/15/16 09:43	07/21/16 13:00	1
Nitrobenzene	ND		10	0.55	ug/L		07/15/16 09:43	07/21/16 13:00	1
2-Nitrophenol	ND		10	0.65	ug/L		07/15/16 09:43	07/21/16 13:00	1
4-Nitrophenol	ND		10	2.1	ug/L		07/15/16 09:43	07/21/16 13:00	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		07/15/16 09:43	07/21/16 13:00	1

Client Sample ID: MW6C-ROX-071116
Date Collected: 07/11/16 10:30
Date Received: 07/12/16 10:18

Lab Sample ID: 400-124305-5
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		07/15/16 09:43	07/21/16 13:00	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		07/15/16 09:43	07/21/16 13:00	1
Pentachlorophenol	ND		20	1.8	ug/L		07/15/16 09:43	07/21/16 13:00	1
Phenol	ND		10	2.6	ug/L		07/15/16 09:43	07/21/16 13:00	1
Pyridine	ND	UJ	10	3.2	ug/L		07/15/16 09:43	07/21/16 13:00	1
Quinoline	ND		10	6.0	ug/L		07/15/16 09:43	07/21/16 13:00	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		07/15/16 09:43	07/21/16 13:00	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		07/15/16 09:43	07/21/16 13:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*116*		*34 - 120*	*07/15/16 09:43*	*07/21/16 13:00*	*1*
2-Fluorophenol	*114*		*10 - 120*	*07/15/16 09:43*	*07/21/16 13:00*	*1*
Nitrobenzene-d5	*117*		*27 - 120*	*07/15/16 09:43*	*07/21/16 13:00*	*1*
Phenol-d5	*126*	*X*	*10 - 120*	*07/15/16 09:43*	*07/21/16 13:00*	*1*
Terphenyl-d14	*84*		*53 - 125*	*07/15/16 09:43*	*07/21/16 13:00*	*1*
2,4,6-Tribromophenol	*143*	*X*	*15 - 135*	*07/15/16 09:43*	*07/21/16 13:00*	*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		07/16/16 11:14	07/18/16 13:47	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		07/16/16 11:14	07/18/16 13:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*51 - 149*	*07/16/16 11:14*	*07/18/16 13:47*	*1*

Client Sample ID: MW6B-ROX-071116
Date Collected: 07/11/16 12:45
Date Received: 07/12/16 10:18

Lab Sample ID: 400-124305-6
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			07/15/16 15:49	1
Acrolein	ND		20	10	ug/L			07/15/16 15:49	1
Acrylonitrile	ND		10	2.8	ug/L			07/15/16 15:49	1
Benzene	ND		1.0	0.38	ug/L			07/15/16 15:49	1
Bromobenzene	ND		1.0	0.54	ug/L			07/15/16 15:49	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/15/16 15:49	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/15/16 15:49	1
Bromoform	ND		5.0	0.71	ug/L			07/15/16 15:49	1
Bromomethane	ND		1.0	0.98	ug/L			07/15/16 15:49	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/15/16 15:49	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/15/16 15:49	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			07/15/16 15:49	1
Chlorobenzene	ND		1.0	0.50	ug/L			07/15/16 15:49	1
Dibromochloromethane	ND		1.0	0.50	ug/L			07/15/16 15:49	1
Chloroethane	ND		1.0	0.76	ug/L			07/15/16 15:49	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/15/16 15:49	1
Chloroform	ND		1.0	0.60	ug/L			07/15/16 15:49	1
1-Chlorohexane	ND		1.0	0.70	ug/L			07/15/16 15:49	1
Chloromethane	ND		1.0	0.83	ug/L			07/15/16 15:49	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/15/16 15:49	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/15/16 15:49	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/15/16 15:49	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/15/16 15:49	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/15/16 15:49	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/15/16 15:49	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/15/16 15:49	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			07/15/16 15:49	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/15/16 15:49	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/15/16 15:49	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/15/16 15:49	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/15/16 15:49	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			07/15/16 15:49	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/15/16 15:49	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/15/16 15:49	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/15/16 15:49	1
2-Hexanone	ND		25	3.1	ug/L			07/15/16 15:49	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/15/16 15:49	1
Methylene bromide	ND		5.0	0.59	ug/L			07/15/16 15:49	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/15/16 15:49	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/15/16 15:49	1
Methyl tert-butyl ether	**1.9**		1.0	0.74	ug/L			07/15/16 15:49	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			07/15/16 15:49	1
Naphthalene	ND		1.0	1.0	ug/L			07/15/16 15:49	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/15/16 15:49	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/15/16 15:49	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/15/16 15:49	1
o-Xylene	ND		5.0	0.60	ug/L			07/15/16 15:49	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/15/16 15:49	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/15/16 15:49	1

Client Sample ID: MW6B-ROX-071116
Date Collected: 07/11/16 12:45
Date Received: 07/12/16 10:18

Lab Sample ID: 400-124305-6
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			07/15/16 15:49	1
Styrene	ND		1.0	1.0	ug/L			07/15/16 15:49	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/15/16 15:49	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			07/15/16 15:49	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/15/16 15:49	1
Tetrachloroethene	ND		1.0	0.58	ug/L			07/15/16 15:49	1
Toluene	ND		1.0	0.70	ug/L			07/15/16 15:49	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/15/16 15:49	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/15/16 15:49	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			07/15/16 15:49	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/15/16 15:49	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			07/15/16 15:49	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			07/15/16 15:49	1
Trichloroethene	ND		1.0	0.50	ug/L			07/15/16 15:49	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			07/15/16 15:49	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/15/16 15:49	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/15/16 15:49	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/15/16 15:49	1
Vinyl acetate	ND		25	2.0	ug/L			07/15/16 15:49	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/15/16 15:49	1
Xylenes, Total	ND		10	1.6	ug/L			07/15/16 15:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*78 - 118*		*07/15/16 15:49*	*1*
Dibromofluoromethane	*100*		*81 - 121*		*07/15/16 15:49*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*07/15/16 15:49*	*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		07/15/16 09:43	07/20/16 11:28	1
Acenaphthylene	ND		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 11:28	1
Anthracene	ND		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 11:28	1
Benzo[a]anthracene	**0.054**	**J**	0.20	0.040	ug/L		07/15/16 09:43	07/20/16 11:28	1
Benzo[a]pyrene	**0.082**	**J**	0.20	0.040	ug/L		07/15/16 09:43	07/20/16 11:28	1
Benzo[b]fluoranthene	**0.14**	**J**	0.20	0.040	ug/L		07/15/16 09:43	07/20/16 11:28	1
Benzo[g,h,i]perylene	**0.079**	**J**	0.20	0.040	ug/L		07/15/16 09:43	07/20/16 11:28	1
Benzo[k]fluoranthene	**0.13**	**J**	0.20	0.040	ug/L		07/15/16 09:43	07/20/16 11:28	1
Chrysene	**0.040**	**J**	0.20	0.040	ug/L		07/15/16 09:43	07/20/16 11:28	1
Dibenz(a,h)anthracene	**0.069**	**J**	0.20	0.040	ug/L		07/15/16 09:43	07/20/16 11:28	1
Fluoranthene	ND		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 11:28	1
Fluorene	ND		0.20	0.021	ug/L		07/15/16 09:43	07/20/16 11:28	1
Indeno[1,2,3-cd]pyrene	**0.11**	**J**	0.20	0.040	ug/L		07/15/16 09:43	07/20/16 11:28	1
Phenanthrene	ND		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 11:28	1
Pyrene	ND		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 11:28	1
1-Methylnaphthalene	ND		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 11:28	1
2-Methylnaphthalene	ND		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 11:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*65*		*33 - 138*	*07/15/16 09:43*	*07/20/16 11:28*	*1*
2-Fluorobiphenyl	*58*		*15 - 122*	*07/15/16 09:43*	*07/20/16 11:28*	*1*

Client Sample ID: MW6B-ROX-071116
Date Collected: 07/11/16 12:45
Date Received: 07/12/16 10:18

Lab Sample ID: 400-124305-6
Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	59		19 - 130	07/15/16 09:43	07/20/16 11:28	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		07/15/16 09:43	07/21/16 13:30	1
Benzenethiol	ND	* UJ	10	1.7	ug/L		07/15/16 09:43	07/21/16 13:30	1
Benzoic acid	ND		30	7.3	ug/L		07/15/16 09:43	07/21/16 13:30	1
Benzyl alcohol	ND		10	2.0	ug/L		07/15/16 09:43	07/21/16 13:30	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		07/15/16 09:43	07/21/16 13:30	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		07/15/16 09:43	07/21/16 13:30	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		07/15/16 09:43	07/21/16 13:30	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		07/15/16 09:43	07/21/16 13:30	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		07/15/16 09:43	07/21/16 13:30	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		07/15/16 09:43	07/21/16 13:30	1
4-Chloroaniline	ND		10	3.4	ug/L		07/15/16 09:43	07/21/16 13:30	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		07/15/16 09:43	07/21/16 13:30	1
2-Chloronaphthalene	ND		10	0.52	ug/L		07/15/16 09:43	07/21/16 13:30	1
2-Chlorophenol	ND		10	2.2	ug/L		07/15/16 09:43	07/21/16 13:30	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		07/15/16 09:43	07/21/16 13:30	1
Dibenz[a,h]acridine	ND	UJ	10	3.0	ug/L		07/15/16 09:43	07/21/16 13:30	1
Dibenzofuran	ND		10	0.52	ug/L		07/15/16 09:43	07/21/16 13:30	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		07/15/16 09:43	07/21/16 13:30	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		07/15/16 09:43	07/21/16 13:30	1
Diethyl phthalate	ND		10	0.70	ug/L		07/15/16 09:43	07/21/16 13:30	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		07/15/16 09:43	07/21/16 13:30	1
Dimethyl phthalate	ND		10	0.60	ug/L		07/15/16 09:43	07/21/16 13:30	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		07/15/16 09:43	07/21/16 13:30	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/15/16 09:43	07/21/16 13:30	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		07/15/16 09:43	07/21/16 13:30	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		07/15/16 09:43	07/21/16 13:30	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		07/15/16 09:43	07/21/16 13:30	1
Di-n-octyl phthalate	0.55	J	10	0.44	ug/L		07/15/16 09:43	07/21/16 13:30	1
1,4-Dioxane	ND		10	1.0	ug/L		07/15/16 09:43	07/21/16 13:30	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		07/15/16 09:43	07/21/16 13:30	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/15/16 09:43	07/21/16 13:30	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		07/15/16 09:43	07/21/16 13:30	1
Hexachloroethane	ND		10	4.2	ug/L		07/15/16 09:43	07/21/16 13:30	1
Indene	ND		10	1.0	ug/L		07/15/16 09:43	07/21/16 13:30	1
Isophorone	ND		10	0.57	ug/L		07/15/16 09:43	07/21/16 13:30	1
2-Methylphenol	ND		10	1.8	ug/L		07/15/16 09:43	07/21/16 13:30	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		07/15/16 09:43	07/21/16 13:30	1
2-Nitroaniline	ND		10	2.2	ug/L		07/15/16 09:43	07/21/16 13:30	1
3-Nitroaniline	ND		10	1.8	ug/L		07/15/16 09:43	07/21/16 13:30	1
4-Nitroaniline	ND		10	2.5	ug/L		07/15/16 09:43	07/21/16 13:30	1
Nitrobenzene	ND		10	0.55	ug/L		07/15/16 09:43	07/21/16 13:30	1
2-Nitrophenol	ND		10	0.65	ug/L		07/15/16 09:43	07/21/16 13:30	1
4-Nitrophenol	ND		10	2.1	ug/L		07/15/16 09:43	07/21/16 13:30	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		07/15/16 09:43	07/21/16 13:30	1

Client Sample ID: MW6B-ROX-071116
Date Collected: 07/11/16 12:45
Date Received: 07/12/16 10:18

Lab Sample ID: 400-124305-6
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		07/15/16 09:43	07/21/16 13:30	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		07/15/16 09:43	07/21/16 13:30	1
Pentachlorophenol	ND		20	1.8	ug/L		07/15/16 09:43	07/21/16 13:30	1
Phenol	ND		10	2.6	ug/L		07/15/16 09:43	07/21/16 13:30	1
Pyridine	ND	U	10	3.2	ug/L		07/15/16 09:43	07/21/16 13:30	1
Quinoline	ND		10	6.0	ug/L		07/15/16 09:43	07/21/16 13:30	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		07/15/16 09:43	07/21/16 13:30	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		07/15/16 09:43	07/21/16 13:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*57*		*34 - 120*	*07/15/16 09:43*	*07/21/16 13:30*	*1*
2-Fluorophenol	*58*		*10 - 120*	*07/15/16 09:43*	*07/21/16 13:30*	*1*
Nitrobenzene-d5	*62*		*27 - 120*	*07/15/16 09:43*	*07/21/16 13:30*	*1*
Phenol-d5	*66*		*10 - 120*	*07/15/16 09:43*	*07/21/16 13:30*	*1*
Terphenyl-d14	*56*		*53 - 125*	*07/15/16 09:43*	*07/21/16 13:30*	*1*
2,4,6-Tribromophenol	*68*		*15 - 135*	*07/15/16 09:43*	*07/21/16 13:30*	*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		0.029	0.0053	ug/L		07/16/16 11:14	07/18/16 14:16	1
1,2-Dibromoethane	ND		0.019	0.0048	ug/L		07/16/16 11:14	07/18/16 14:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*82*		*51 - 149*	*07/16/16 11:14*	*07/18/16 14:16*	*1*

Client Sample ID: MW6A-ROX-071116
Date Collected: 07/11/16 13:30
Date Received: 07/12/16 10:18

Lab Sample ID: 400-124305-7
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			07/15/16 16:17	1
Acrolein	ND		20	10	ug/L			07/15/16 16:17	1
Acrylonitrile	ND		10	2.8	ug/L			07/15/16 16:17	1
Benzene	ND		1.0	0.38	ug/L			07/15/16 16:17	1
Bromobenzene	ND		1.0	0.54	ug/L			07/15/16 16:17	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/15/16 16:17	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/15/16 16:17	1
Bromoform	ND		5.0	0.71	ug/L			07/15/16 16:17	1
Bromomethane	ND		1.0	0.98	ug/L			07/15/16 16:17	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/15/16 16:17	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/15/16 16:17	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			07/15/16 16:17	1
Chlorobenzene	ND		1.0	0.50	ug/L			07/15/16 16:17	1
Dibromochloromethane	ND		1.0	0.50	ug/L			07/15/16 16:17	1
Chloroethane	ND		1.0	0.76	ug/L			07/15/16 16:17	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/15/16 16:17	1
Chloroform	ND		1.0	0.60	ug/L			07/15/16 16:17	1
1-Chlorohexane	ND		1.0	0.70	ug/L			07/15/16 16:17	1
Chloromethane	ND		1.0	0.83	ug/L			07/15/16 16:17	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/15/16 16:17	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/15/16 16:17	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/15/16 16:17	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/15/16 16:17	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/15/16 16:17	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/15/16 16:17	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/15/16 16:17	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			07/15/16 16:17	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/15/16 16:17	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/15/16 16:17	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/15/16 16:17	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/15/16 16:17	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			07/15/16 16:17	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/15/16 16:17	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/15/16 16:17	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/15/16 16:17	1
2-Hexanone	ND		25	3.1	ug/L			07/15/16 16:17	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/15/16 16:17	1
Methylene bromide	ND		5.0	0.59	ug/L			07/15/16 16:17	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/15/16 16:17	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/15/16 16:17	1
Methyl tert-butyl ether	**3.6**		1.0	0.74	ug/L			07/15/16 16:17	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			07/15/16 16:17	1
Naphthalene	ND		1.0	1.0	ug/L			07/15/16 16:17	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/15/16 16:17	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/15/16 16:17	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/15/16 16:17	1
o-Xylene	ND		5.0	0.60	ug/L			07/15/16 16:17	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/15/16 16:17	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/15/16 16:17	1

Client Sample ID: MW6A-ROX-071116

Date Collected: 07/11/16 13:30
Date Received: 07/12/16 10:18

Lab Sample ID: 400-124305-7

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			07/15/16 16:17	1
Styrene	ND		1.0	1.0	ug/L			07/15/16 16:17	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/15/16 16:17	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			07/15/16 16:17	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/15/16 16:17	1
Tetrachloroethene	ND		1.0	0.58	ug/L			07/15/16 16:17	1
Toluene	ND		1.0	0.70	ug/L			07/15/16 16:17	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/15/16 16:17	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/15/16 16:17	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			07/15/16 16:17	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/15/16 16:17	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			07/15/16 16:17	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			07/15/16 16:17	1
Trichloroethene	ND		1.0	0.50	ug/L			07/15/16 16:17	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			07/15/16 16:17	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/15/16 16:17	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/15/16 16:17	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/15/16 16:17	1
Vinyl acetate	ND		25	2.0	ug/L			07/15/16 16:17	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/15/16 16:17	1
Xylenes, Total	ND		10	1.6	ug/L			07/15/16 16:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*78 - 118*		*07/15/16 16:17*	*1*
Dibromofluoromethane	*101*		*81 - 121*		*07/15/16 16:17*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*07/15/16 16:17*	*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		07/15/16 09:46	07/20/16 11:54	1
Acenaphthylene	ND		0.20	0.020	ug/L		07/15/16 09:46	07/20/16 11:54	1
Anthracene	ND		0.20	0.020	ug/L		07/15/16 09:46	07/20/16 11:54	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/15/16 09:46	07/20/16 11:54	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		07/15/16 09:46	07/20/16 11:54	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		07/15/16 09:46	07/20/16 11:54	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		07/15/16 09:46	07/20/16 11:54	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/15/16 09:46	07/20/16 11:54	1
Chrysene	ND		0.20	0.040	ug/L		07/15/16 09:46	07/20/16 11:54	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		07/15/16 09:46	07/20/16 11:54	1
Fluoranthene	ND		0.20	0.020	ug/L		07/15/16 09:46	07/20/16 11:54	1
Fluorene	ND		0.20	0.021	ug/L		07/15/16 09:46	07/20/16 11:54	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		07/15/16 09:46	07/20/16 11:54	1
Phenanthrene	ND		0.20	0.020	ug/L		07/15/16 09:46	07/20/16 11:54	1
Pyrene	ND		0.20	0.020	ug/L		07/15/16 09:46	07/20/16 11:54	1
1-Methylnaphthalene	ND		0.20	0.020	ug/L		07/15/16 09:46	07/20/16 11:54	1
2-Methylnaphthalene	ND		0.20	0.020	ug/L		07/15/16 09:46	07/20/16 11:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*45*		*33 - 138*	*07/15/16 09:46*	*07/20/16 11:54*	*1*
2-Fluorobiphenyl	*56*		*15 - 122*	*07/15/16 09:46*	*07/20/16 11:54*	*1*

Client Sample ID: MW6A-ROX-071116
Date Collected: 07/11/16 13:30
Date Received: 07/12/16 10:18

Lab Sample ID: 400-124305-7
Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	58		19 - 130	07/15/16 09:46	07/20/16 11:54	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		07/15/16 09:46	07/21/16 14:01	1
Benzenethiol	ND	* UJ	10	1.7	ug/L		07/15/16 09:46	07/21/16 14:01	1
Benzoic acid	ND		30	7.3	ug/L		07/15/16 09:46	07/21/16 14:01	1
Benzyl alcohol	ND		10	2.0	ug/L		07/15/16 09:46	07/21/16 14:01	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		07/15/16 09:46	07/21/16 14:01	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		07/15/16 09:46	07/21/16 14:01	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		07/15/16 09:46	07/21/16 14:01	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		07/15/16 09:46	07/21/16 14:01	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		07/15/16 09:46	07/21/16 14:01	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		07/15/16 09:46	07/21/16 14:01	1
4-Chloroaniline	ND		10	3.4	ug/L		07/15/16 09:46	07/21/16 14:01	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		07/15/16 09:46	07/21/16 14:01	1
2-Chloronaphthalene	ND		10	0.52	ug/L		07/15/16 09:46	07/21/16 14:01	1
2-Chlorophenol	ND		10	2.2	ug/L		07/15/16 09:46	07/21/16 14:01	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		07/15/16 09:46	07/21/16 14:01	1
Dibenz[a,h]acridine	ND	UJ	10	3.0	ug/L		07/15/16 09:46	07/21/16 14:01	1
Dibenzofuran	ND		10	0.52	ug/L		07/15/16 09:46	07/21/16 14:01	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		07/15/16 09:46	07/21/16 14:01	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		07/15/16 09:46	07/21/16 14:01	1
Diethyl phthalate	ND		10	0.70	ug/L		07/15/16 09:46	07/21/16 14:01	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		07/15/16 09:46	07/21/16 14:01	1
Dimethyl phthalate	ND		10	0.60	ug/L		07/15/16 09:46	07/21/16 14:01	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		07/15/16 09:46	07/21/16 14:01	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/15/16 09:46	07/21/16 14:01	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		07/15/16 09:46	07/21/16 14:01	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		07/15/16 09:46	07/21/16 14:01	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		07/15/16 09:46	07/21/16 14:01	1
Di-n-octyl phthalate	**0.86**	J	10	0.44	ug/L		07/15/16 09:46	07/21/16 14:01	1
1,4-Dioxane	ND		10	1.0	ug/L		07/15/16 09:46	07/21/16 14:01	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		07/15/16 09:46	07/21/16 14:01	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/15/16 09:46	07/21/16 14:01	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		07/15/16 09:46	07/21/16 14:01	1
Hexachloroethane	ND		10	4.2	ug/L		07/15/16 09:46	07/21/16 14:01	1
Indene	ND		10	1.0	ug/L		07/15/16 09:46	07/21/16 14:01	1
Isophorone	ND		10	0.57	ug/L		07/15/16 09:46	07/21/16 14:01	1
2-Methylphenol	ND		10	1.8	ug/L		07/15/16 09:46	07/21/16 14:01	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		07/15/16 09:46	07/21/16 14:01	1
2-Nitroaniline	ND		10	2.2	ug/L		07/15/16 09:46	07/21/16 14:01	1
3-Nitroaniline	ND		10	1.8	ug/L		07/15/16 09:46	07/21/16 14:01	1
4-Nitroaniline	ND		10	2.5	ug/L		07/15/16 09:46	07/21/16 14:01	1
Nitrobenzene	ND		10	0.55	ug/L		07/15/16 09:46	07/21/16 14:01	1
2-Nitrophenol	ND		10	0.65	ug/L		07/15/16 09:46	07/21/16 14:01	1
4-Nitrophenol	ND		10	2.1	ug/L		07/15/16 09:46	07/21/16 14:01	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		07/15/16 09:46	07/21/16 14:01	1

Client Sample ID: MW6A-ROX-071116
Date Collected: 07/11/16 13:30
Date Received: 07/12/16 10:18

Lab Sample ID: 400-124305-7
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		07/15/16 09:46	07/21/16 14:01	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		07/15/16 09:46	07/21/16 14:01	1
Pentachlorophenol	ND		20	1.8	ug/L		07/15/16 09:46	07/21/16 14:01	1
Phenol	ND		10	2.6	ug/L		07/15/16 09:46	07/21/16 14:01	1
Pyridine	ND	UJ	10	3.2	ug/L		07/15/16 09:46	07/21/16 14:01	1
Quinoline	ND		10	6.0	ug/L		07/15/16 09:46	07/21/16 14:01	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		07/15/16 09:46	07/21/16 14:01	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		07/15/16 09:46	07/21/16 14:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*55*		*34 - 120*	*07/15/16 09:46*	*07/21/16 14:01*	*1*
2-Fluorophenol	*58*		*10 - 120*	*07/15/16 09:46*	*07/21/16 14:01*	*1*
Nitrobenzene-d5	*59*		*27 - 120*	*07/15/16 09:46*	*07/21/16 14:01*	*1*
Phenol-d5	*65*		*10 - 120*	*07/15/16 09:46*	*07/21/16 14:01*	*1*
Terphenyl-d14	*44*	*X*	*53 - 125*	*07/15/16 09:46*	*07/21/16 14:01*	*1*
2,4,6-Tribromophenol	*69*		*15 - 135*	*07/15/16 09:46*	*07/21/16 14:01*	*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	0.0052	ug/L		07/16/16 11:14	07/18/16 15:17	1
1,2-Dibromoethane	ND		0.019	0.0048	ug/L		07/16/16 11:14	07/18/16 15:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*82*		*51 - 149*	*07/16/16 11:14*	*07/18/16 15:17*	*1*

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.

GC/MS Semi VOA

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

GC Semi VOA

Qualifier	Qualifier Description
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 - 3Q16

TestAmerica Job ID: 400-124305-1
SDG: 60477387 - 1.03.003/1.03.0033

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)
400-124305-2	TB-ROX-071116R-8260	101	103	99
400-124305-3	MW6D-ROX-071116	101	101	99
400-124305-3 MS	MW6D-ROX-071116	101	103	100
400-124305-3 MSD	MW6D-ROX-071116	100	104	100
400-124305-4	MW6D-ROX-071116-DUP	101	101	100
400-124305-5	MW6C-ROX-071116	101	102	100
400-124305-6	MW6B-ROX-071116	101	100	100
400-124305-7	MW6A-ROX-071116	102	101	100
LCS 400-314441/1002	Lab Control Sample	99	104	99
MB 400-314441/25	Method Blank	100	101	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)	(15-135)
400-124305-3	MW6D-ROX-071116	68	58	64	61	69	83
400-124305-4	MW6D-ROX-071116-DUP	52	49	53	56	46 X	65
400-124305-5	MW6C-ROX-071116	116	114	117	126 X	84	143 X
400-124305-6	MW6B-ROX-071116	57	58	62	66	56	68
400-124305-7	MW6A-ROX-071116	55	58	59	65	44 X	69
400-124395-A-4-A MS	Matrix Spike	64	59	60	63	65	95
400-124395-A-4-B MSD	Matrix Spike Duplicate	59	53	56	56	56	84
LCS 400-314434/2-A	Lab Control Sample	59	59	71	66	75	91
LCS 400-314434/4-A	Lab Control Sample	57	49	56	53	70	79
LCSD 400-314434/3-A	Lab Control Sample Dup	69	66	65	70	78	99
LCSD 400-314434/5-A	Lab Control Sample Dup	72	53	58	57	73	83
MB 400-314434/1-A	Method Blank	61	52	61	57	70	71

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)
400-124305-3	MW6D-ROX-071116	68	63	61

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	TPH (33-138)	FBP (15-122)	NBZ (19-130)
400-124305-4	MW6D-ROX-071116-DUP	60	53	50
400-124305-5	MW6C-ROX-071116	102	112	119
400-124305-6	MW6B-ROX-071116	65	58	59
400-124305-7	MW6A-ROX-071116	45	56	58
400-124395-A-4-A MS	Matrix Spike	57	61	59
400-124395-A-4-B MSD	Matrix Spike Duplicate	54	61	60
LCS 400-314434/2-A	Lab Control Sample	81	75	63
LCSD 400-314434/3-A	Lab Control Sample Dup	83	80	66
MB 400-314434/1-A	Method Blank	104	65	67

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)
400-124305-1	TB-ROX-071116R-8011	98
400-124305-3	MW6D-ROX-071116	82
400-124305-4	MW6D-ROX-071116-DUP	91
400-124305-5	MW6C-ROX-071116	103
400-124305-6	MW6B-ROX-071116	82
400-124305-7	MW6A-ROX-071116	82
400-124395-E-4-A MS	Matrix Spike	80
400-124395-E-4-B MSD	Matrix Spike Duplicate	93
LCS 400-314557/2-A	Lab Control Sample	105
MB 400-314557/1-A	Method Blank	91

Surrogate Legend

BFB = 4-Bromofluorobenzene

Method Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 3Q16

TestAmerica Job ID: 400-124305-1
SDG: 60477387 - 1.03.003/1.03.0033

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: TB-ROX-071116R-8011

Lab Sample ID: 400-124305-1
Matrix: Water

Date Collected: 07/11/16 00:00
Date Received: 07/12/16 10:18

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 mL	35 mL	314557	07/16/16 11:14	AM	TAL PEN
Total/NA	Analysis	8011		1			314704	07/18/16 12:17	AM	TAL PEN

Client Sample ID: TB-ROX-071116R-8260

Lab Sample ID: 400-124305-2
Matrix: Water

Date Collected: 07/11/16 00:00
Date Received: 07/12/16 10:18

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	314441	07/15/16 12:38	CAR	TAL PEN

Client Sample ID: MW6D-ROX-071116

Lab Sample ID: 400-124305-3
Matrix: Water

Date Collected: 07/11/16 09:20
Date Received: 07/12/16 10:18

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	314441	07/15/16 13:05	CAR	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314434	07/15/16 09:43	RMC	TAL PEN
Total/NA	Analysis	8270D		1			314976	07/20/16 20:40	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314434	07/15/16 09:43	RMC	TAL PEN
Total/NA	Analysis	8270D LL		1			314990	07/20/16 10:11	VC1	TAL PEN
Total/NA	Prep	8011			33.5 mL	35 mL	314557	07/16/16 11:14	AM	TAL PEN
Total/NA	Analysis	8011		1			314704	07/18/16 12:47	AM	TAL PEN

Client Sample ID: MW6D-ROX-071116-DUP

Lab Sample ID: 400-124305-4
Matrix: Water

Date Collected: 07/11/16 09:20
Date Received: 07/12/16 10:18

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	314441	07/15/16 14:55	CAR	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314434	07/15/16 09:43	RMC	TAL PEN
Total/NA	Analysis	8270D		1			315168	07/21/16 12:29	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314434	07/15/16 09:43	RMC	TAL PEN
Total/NA	Analysis	8270D LL		1			314990	07/20/16 10:37	VC1	TAL PEN
Total/NA	Prep	8011			35.8 mL	35 mL	314557	07/16/16 11:14	AM	TAL PEN
Total/NA	Analysis	8011		1			314704	07/18/16 13:17	AM	TAL PEN

Client Sample ID: MW6C-ROX-071116

Lab Sample ID: 400-124305-5
Matrix: Water

Date Collected: 07/11/16 10:30
Date Received: 07/12/16 10:18

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	314441	07/15/16 15:22	CAR	TAL PEN

Client Sample ID: MW6C-ROX-071116

Lab Sample ID: 400-124305-5

Date Collected: 07/11/16 10:30
Date Received: 07/12/16 10:18

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	314434	07/15/16 09:43	RMC	TAL PEN
Total/NA	Analysis	8270D		1			315168	07/21/16 13:00	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314434	07/15/16 09:43	RMC	TAL PEN
Total/NA	Analysis	8270D LL		1			314990	07/20/16 11:03	VC1	TAL PEN
Total/NA	Prep	8011			35 mL	35 mL	314557	07/16/16 11:14	AM	TAL PEN
Total/NA	Analysis	8011		1			314704	07/18/16 13:47	AM	TAL PEN

Client Sample ID: MW6B-ROX-071116

Lab Sample ID: 400-124305-6

Date Collected: 07/11/16 12:45
Date Received: 07/12/16 10:18

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	314441	07/15/16 15:49	CAR	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314434	07/15/16 09:43	RMC	TAL PEN
Total/NA	Analysis	8270D		1			315168	07/21/16 13:30	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314434	07/15/16 09:43	RMC	TAL PEN
Total/NA	Analysis	8270D LL		1			314990	07/20/16 11:28	VC1	TAL PEN
Total/NA	Prep	8011			36.4 mL	35 mL	314557	07/16/16 11:14	AM	TAL PEN
Total/NA	Analysis	8011		1			314704	07/18/16 14:16	AM	TAL PEN

Client Sample ID: MW6A-ROX-071116

Lab Sample ID: 400-124305-7

Date Collected: 07/11/16 13:30
Date Received: 07/12/16 10:18

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	314441	07/15/16 16:17	CAR	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314434	07/15/16 09:46	RMC	TAL PEN
Total/NA	Analysis	8270D		1			315168	07/21/16 14:01	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314434	07/15/16 09:46	RMC	TAL PEN
Total/NA	Analysis	8270D LL		1			314990	07/20/16 11:54	VC1	TAL PEN
Total/NA	Prep	8011			36.8 mL	35 mL	314557	07/16/16 11:14	AM	TAL PEN
Total/NA	Analysis	8011		1			314704	07/18/16 15:17	AM	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-314434/1-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	314434	07/15/16 09:43	RMC	TAL PEN
Total/NA	Analysis	8270D		1			314976	07/20/16 13:58	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314434	07/15/16 09:43	RMC	TAL PEN
Total/NA	Analysis	8270D LL		1			314990	07/20/16 05:56	VC1	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-314441/25

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	314441	07/15/16 12:03	CAR	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-314557/1-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	314557	07/16/16 11:14	AM	TAL PEN
Total/NA	Analysis	8011		1			314704	07/18/16 09:48	AM	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-314434/2-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	314434	07/15/16 09:43	RMC	TAL PEN
Total/NA	Analysis	8270D		1			314976	07/20/16 14:31	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314434	07/15/16 09:43	RMC	TAL PEN
Total/NA	Analysis	8270D LL		5			314990	07/20/16 06:22	VC1	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-314434/4-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	314434	07/15/16 09:43	RMC	TAL PEN
Total/NA	Analysis	8270D		1			314976	07/20/16 15:38	MAM	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-314441/1002

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	314441	07/15/16 10:55	CAR	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-314557/2-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	8011			35 mL	35 mL	314557	07/16/16 11:14	AM	TAL PEN
Total/NA	Analysis	8011		1			314704	07/18/16 10:18	AM	TAL PEN

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-314434/3-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	314434	07/15/16 09:43	RMC	TAL PEN
Total/NA	Analysis	8270D		1			314976	07/20/16 15:05	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314434	07/15/16 09:43	RMC	TAL PEN
Total/NA	Analysis	8270D LL		5			314990	07/20/16 06:47	VC1	TAL PEN

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-314434/5-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	314434	07/15/16 09:43	RMC	TAL PEN
Total/NA	Analysis	8270D		1			314976	07/20/16 16:12	MAM	TAL PEN

Client Sample ID: MW6D-ROX-071116

Lab Sample ID: 400-124305-3 MS

Date Collected: 07/11/16 09:20
Date Received: 07/12/16 10:18

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	314441	07/15/16 13:33	CAR	TAL PEN

Client Sample ID: MW6D-ROX-071116

Lab Sample ID: 400-124305-3 MSD

Date Collected: 07/11/16 09:20
Date Received: 07/12/16 10:18

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	314441	07/15/16 14:00	CAR	TAL PEN

Client Sample ID: Matrix Spike

Lab Sample ID: 400-124395-A-4-A MS

Date Collected: 07/12/16 10:00
Date Received: 07/13/16 08:29

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	314434	07/15/16 09:43	RMC	TAL PEN
Total/NA	Analysis	8270D		1			314976	07/20/16 16:45	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314434	07/15/16 09:43	RMC	TAL PEN
Total/NA	Analysis	8270D LL		5			314990	07/20/16 07:12	VC1	TAL PEN

Client Sample ID: Matrix Spike Duplicate

Lab Sample ID: 400-124395-A-4-B MSD

Date Collected: 07/12/16 10:00
Date Received: 07/13/16 08:29

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	314434	07/15/16 09:43	RMC	TAL PEN
Total/NA	Analysis	8270D		1			314976	07/20/16 17:19	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314434	07/15/16 09:43	RMC	TAL PEN
Total/NA	Analysis	8270D LL		5			314990	07/20/16 07:38	VC1	TAL PEN

Client Sample ID: Matrix Spike

Lab Sample ID: 400-124395-E-4-A MS

Date Collected: 07/12/16 10:00
Date Received: 07/13/16 08:29

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			34.3 mL	35 mL	314557	07/16/16 11:14	AM	TAL PEN
Total/NA	Analysis	8011		1			314704	07/18/16 19:47	AM	TAL PEN

Client Sample ID: Matrix Spike Duplicate

Lab Sample ID: 400-124395-E-4-B MSD

Date Collected: 07/12/16 10:00
Date Received: 07/13/16 08:29

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			35.5 mL	35 mL	314557	07/16/16 11:14	AM	TAL PEN
Total/NA	Analysis	8011		1			314704	07/18/16 20:46	AM	TAL PEN

Laboratory References:

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

GC/MS VOA

Analysis Batch: 314441

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124305-2	TB-ROX-071116R-8260	Total/NA	Water	8260B	
400-124305-3	MW6D-ROX-071116	Total/NA	Water	8260B	
400-124305-4	MW6D-ROX-071116-DUP	Total/NA	Water	8260B	
400-124305-5	MW6C-ROX-071116	Total/NA	Water	8260B	
400-124305-6	MW6B-ROX-071116	Total/NA	Water	8260B	
400-124305-7	MW6A-ROX-071116	Total/NA	Water	8260B	
MB 400-314441/25	Method Blank	Total/NA	Water	8260B	
LCS 400-314441/1002	Lab Control Sample	Total/NA	Water	8260B	
400-124305-3 MS	MW6D-ROX-071116	Total/NA	Water	8260B	
400-124305-3 MSD	MW6D-ROX-071116	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 314434

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124305-3	MW6D-ROX-071116	Total/NA	Water	3520C	
400-124305-4	MW6D-ROX-071116-DUP	Total/NA	Water	3520C	
400-124305-5	MW6C-ROX-071116	Total/NA	Water	3520C	
400-124305-6	MW6B-ROX-071116	Total/NA	Water	3520C	
400-124305-7	MW6A-ROX-071116	Total/NA	Water	3520C	
MB 400-314434/1-A	Method Blank	Total/NA	Water	3520C	
LCS 400-314434/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCS 400-314434/4-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 400-314434/3-A	Lab Control Sample Dup	Total/NA	Water	3520C	
LCSD 400-314434/5-A	Lab Control Sample Dup	Total/NA	Water	3520C	
400-124395-A-4-A MS	Matrix Spike	Total/NA	Water	3520C	
400-124395-A-4-B MSD	Matrix Spike Duplicate	Total/NA	Water	3520C	

Analysis Batch: 314976

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124305-3	MW6D-ROX-071116	Total/NA	Water	8270D	314434
MB 400-314434/1-A	Method Blank	Total/NA	Water	8270D	314434
LCS 400-314434/2-A	Lab Control Sample	Total/NA	Water	8270D	314434
LCS 400-314434/4-A	Lab Control Sample	Total/NA	Water	8270D	314434
LCSD 400-314434/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	314434
LCSD 400-314434/5-A	Lab Control Sample Dup	Total/NA	Water	8270D	314434
400-124395-A-4-A MS	Matrix Spike	Total/NA	Water	8270D	314434
400-124395-A-4-B MSD	Matrix Spike Duplicate	Total/NA	Water	8270D	314434

Analysis Batch: 314990

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124305-3	MW6D-ROX-071116	Total/NA	Water	8270D LL	314434
400-124305-4	MW6D-ROX-071116-DUP	Total/NA	Water	8270D LL	314434
400-124305-5	MW6C-ROX-071116	Total/NA	Water	8270D LL	314434
400-124305-6	MW6B-ROX-071116	Total/NA	Water	8270D LL	314434
400-124305-7	MW6A-ROX-071116	Total/NA	Water	8270D LL	314434
MB 400-314434/1-A	Method Blank	Total/NA	Water	8270D LL	314434
LCS 400-314434/2-A	Lab Control Sample	Total/NA	Water	8270D LL	314434
LCSD 400-314434/3-A	Lab Control Sample Dup	Total/NA	Water	8270D LL	314434
400-124395-A-4-A MS	Matrix Spike	Total/NA	Water	8270D LL	314434

GC/MS Semi VOA (Continued)

Analysis Batch: 314990 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124395-A-4-B MSD	Matrix Spike Duplicate	Total/NA	Water	8270D LL	314434

Analysis Batch: 315168

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124305-4	MW6D-ROX-071116-DUP	Total/NA	Water	8270D	314434
400-124305-5	MW6C-ROX-071116	Total/NA	Water	8270D	314434
400-124305-6	MW6B-ROX-071116	Total/NA	Water	8270D	314434
400-124305-7	MW6A-ROX-071116	Total/NA	Water	8270D	314434

GC Semi VOA

Prep Batch: 314557

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124305-1	TB-ROX-071116R-8011	Total/NA	Water	8011	
400-124305-3	MW6D-ROX-071116	Total/NA	Water	8011	
400-124305-4	MW6D-ROX-071116-DUP	Total/NA	Water	8011	
400-124305-5	MW6C-ROX-071116	Total/NA	Water	8011	
400-124305-6	MW6B-ROX-071116	Total/NA	Water	8011	
400-124305-7	MW6A-ROX-071116	Total/NA	Water	8011	
MB 400-314557/1-A	Method Blank	Total/NA	Water	8011	
LCS 400-314557/2-A	Lab Control Sample	Total/NA	Water	8011	
400-124395-E-4-A MS	Matrix Spike	Total/NA	Water	8011	
400-124395-E-4-B MSD	Matrix Spike Duplicate	Total/NA	Water	8011	

Analysis Batch: 314704

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124305-1	TB-ROX-071116R-8011	Total/NA	Water	8011	314557
400-124305-3	MW6D-ROX-071116	Total/NA	Water	8011	314557
400-124305-4	MW6D-ROX-071116-DUP	Total/NA	Water	8011	314557
400-124305-5	MW6C-ROX-071116	Total/NA	Water	8011	314557
400-124305-6	MW6B-ROX-071116	Total/NA	Water	8011	314557
400-124305-7	MW6A-ROX-071116	Total/NA	Water	8011	314557
MB 400-314557/1-A	Method Blank	Total/NA	Water	8011	314557
LCS 400-314557/2-A	Lab Control Sample	Total/NA	Water	8011	314557
400-124395-E-4-A MS	Matrix Spike	Total/NA	Water	8011	314557
400-124395-E-4-B MSD	Matrix Spike Duplicate	Total/NA	Water	8011	314557

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

Lab Sample ID: MB 400-314441/25
Matrix: Water
Analysis Batch: 314441

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			07/15/16 12:03	1
Acrolein	ND		20	10	ug/L			07/15/16 12:03	1
Acrylonitrile	ND		10	2.8	ug/L			07/15/16 12:03	1
Benzene	ND		1.0	0.38	ug/L			07/15/16 12:03	1
Bromobenzene	ND		1.0	0.54	ug/L			07/15/16 12:03	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/15/16 12:03	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/15/16 12:03	1
Bromoform	ND		5.0	0.71	ug/L			07/15/16 12:03	1
Bromomethane	ND		1.0	0.98	ug/L			07/15/16 12:03	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/15/16 12:03	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/15/16 12:03	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			07/15/16 12:03	1
Chlorobenzene	ND		1.0	0.50	ug/L			07/15/16 12:03	1
Dibromochloromethane	ND		1.0	0.50	ug/L			07/15/16 12:03	1
Chloroethane	ND		1.0	0.76	ug/L			07/15/16 12:03	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/15/16 12:03	1
Chloroform	ND		1.0	0.60	ug/L			07/15/16 12:03	1
1-Chlorohexane	ND		1.0	0.70	ug/L			07/15/16 12:03	1
Chloromethane	ND		1.0	0.83	ug/L			07/15/16 12:03	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/15/16 12:03	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/15/16 12:03	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/15/16 12:03	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/15/16 12:03	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/15/16 12:03	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/15/16 12:03	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/15/16 12:03	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			07/15/16 12:03	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/15/16 12:03	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/15/16 12:03	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/15/16 12:03	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/15/16 12:03	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			07/15/16 12:03	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/15/16 12:03	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/15/16 12:03	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/15/16 12:03	1
2-Hexanone	ND		25	3.1	ug/L			07/15/16 12:03	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/15/16 12:03	1
Methylene bromide	ND		5.0	0.59	ug/L			07/15/16 12:03	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/15/16 12:03	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/15/16 12:03	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			07/15/16 12:03	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			07/15/16 12:03	1
Naphthalene	ND		1.0	1.0	ug/L			07/15/16 12:03	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/15/16 12:03	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/15/16 12:03	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/15/16 12:03	1
o-Xylene	ND		5.0	0.60	ug/L			07/15/16 12:03	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/15/16 12:03	1

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

Lab Sample ID: MB 400-314441/25
Matrix: Water
Analysis Batch: 314441

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			07/15/16 12:03	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/15/16 12:03	1
Styrene	ND		1.0	1.0	ug/L			07/15/16 12:03	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/15/16 12:03	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			07/15/16 12:03	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/15/16 12:03	1
Tetrachloroethene	ND		1.0	0.58	ug/L			07/15/16 12:03	1
Toluene	ND		1.0	0.70	ug/L			07/15/16 12:03	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/15/16 12:03	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/15/16 12:03	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			07/15/16 12:03	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/15/16 12:03	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			07/15/16 12:03	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			07/15/16 12:03	1
Trichloroethene	ND		1.0	0.50	ug/L			07/15/16 12:03	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			07/15/16 12:03	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/15/16 12:03	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/15/16 12:03	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/15/16 12:03	1
Vinyl acetate	ND		25	2.0	ug/L			07/15/16 12:03	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/15/16 12:03	1
Xylenes, Total	ND		10	1.6	ug/L			07/15/16 12:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*78 - 118*		*07/15/16 12:03*	*1*
Dibromofluoromethane	*101*		*81 - 121*		*07/15/16 12:03*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*07/15/16 12:03*	*1*

Lab Sample ID: LCS 400-314441/1002
Matrix: Water
Analysis Batch: 314441

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	200	197		ug/L		99	43 - 160
Acrolein	500	482		ug/L		96	38 - 160
Acrylonitrile	500	499		ug/L		100	64 - 142
Benzene	50.0	47.9		ug/L		96	70 - 130
Bromobenzene	50.0	49.1		ug/L		98	70 - 132
Bromochloromethane	50.0	48.7		ug/L		97	70 - 130
Bromodichloromethane	50.0	49.0		ug/L		98	67 - 133
Bromoform	50.0	48.4		ug/L		97	57 - 140
Bromomethane	50.0	67.1		ug/L		134	10 - 160
2-Butanone (MEK)	200	208		ug/L		104	61 - 145
Carbon disulfide	50.0	45.6		ug/L		91	61 - 137
Carbon tetrachloride	50.0	47.5		ug/L		95	61 - 137
Chlorobenzene	50.0	48.8		ug/L		98	70 - 130
Dibromochloromethane	50.0	50.8		ug/L		102	67 - 135
Chloroethane	50.0	42.2		ug/L		84	55 - 141

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

Lab Sample ID: LCS 400-314441/1002
Matrix: Water
Analysis Batch: 314441

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	71.4		ug/L		143	10 - 160
Chloroform	50.0	48.3		ug/L		97	69 - 130
1-Chlorohexane	50.0	47.4		ug/L		95	69 - 130
Chloromethane	50.0	37.1		ug/L		74	58 - 137
cis-1,2-Dichloroethene	50.0	48.7		ug/L		97	68 - 130
cis-1,3-Dichloropropene	50.0	49.7		ug/L		99	69 - 132
1,2-Dichlorobenzene	50.0	48.4		ug/L		97	67 - 130
1,3-Dichlorobenzene	50.0	49.1		ug/L		98	70 - 130
1,4-Dichlorobenzene	50.0	48.5		ug/L		97	70 - 130
Dichlorodifluoromethane	50.0	44.7		ug/L		89	41 - 146
1,1-Dichloroethane	50.0	48.3		ug/L		97	70 - 130
1,2-Dichloroethane	50.0	47.5		ug/L		95	69 - 130
1,1-Dichloroethene	50.0	48.8		ug/L		98	63 - 134
1,2-Dichloropropane	50.0	48.3		ug/L		97	70 - 130
1,3-Dichloropropane	50.0	50.3		ug/L		101	70 - 130
2,2-Dichloropropane	50.0	49.7		ug/L		99	52 - 135
1,1-Dichloropropene	50.0	47.8		ug/L		96	70 - 130
Ethylbenzene	50.0	48.9		ug/L		98	70 - 130
Ethyl methacrylate	50.0	50.4		ug/L		101	68 - 130
Hexachlorobutadiene	50.0	49.3		ug/L		99	53 - 140
2-Hexanone	200	200		ug/L		100	65 - 137
Isopropylbenzene	50.0	49.0		ug/L		98	70 - 130
Methylene bromide	50.0	49.8		ug/L		100	70 - 130
Methylene Chloride	50.0	45.4		ug/L		91	66 - 135
4-Methyl-2-pentanone (MIBK)	200	203		ug/L		101	69 - 138
Methyl tert-butyl ether	50.0	49.1		ug/L		98	66 - 130
m-Xylene & p-Xylene	50.0	48.1		ug/L		96	70 - 130
Naphthalene	50.0	48.7		ug/L		97	47 - 149
n-Butylbenzene	50.0	49.1		ug/L		98	67 - 130
N-Propylbenzene	50.0	49.2		ug/L		98	70 - 130
o-Chlorotoluene	50.0	48.0		ug/L		96	70 - 130
o-Xylene	50.0	48.7		ug/L		97	70 - 130
p-Chlorotoluene	50.0	48.9		ug/L		98	70 - 130
p-Isopropyltoluene	50.0	50.0		ug/L		100	65 - 130
sec-Butylbenzene	50.0	49.6		ug/L		99	66 - 130
Styrene	50.0	49.2		ug/L		98	70 - 130
tert-Butylbenzene	50.0	49.1		ug/L		98	64 - 139
1,1,1,2-Tetrachloroethane	50.0	50.1		ug/L		100	67 - 131
1,1,2,2-Tetrachloroethane	50.0	48.6		ug/L		97	70 - 131
Tetrachloroethene	50.0	49.4		ug/L		99	65 - 130
Toluene	50.0	47.4		ug/L		95	70 - 130
trans-1,2-Dichloroethene	50.0	48.4		ug/L		97	70 - 130
trans-1,3-Dichloropropene	50.0	50.6		ug/L		101	63 - 130
1,2,3-Trichlorobenzene	50.0	49.2		ug/L		98	60 - 138
1,2,4-Trichlorobenzene	50.0	49.2		ug/L		98	60 - 140
1,1,1-Trichloroethane	50.0	47.8		ug/L		96	68 - 130
1,1,2-Trichloroethane	50.0	51.0		ug/L		102	70 - 130
Trichloroethene	50.0	48.9		ug/L		98	70 - 130

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

Lab Sample ID: LCS 400-314441/1002
Matrix: Water
Analysis Batch: 314441

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	38.0		ug/L		76	65 - 138
1,2,3-Trichloropropane	50.0	49.1		ug/L		98	70 - 130
1,2,4-Trimethylbenzene	50.0	49.0		ug/L		98	70 - 130
1,3,5-Trimethylbenzene	50.0	48.9		ug/L		98	69 - 130
Vinyl acetate	100	103		ug/L		103	26 - 160
Vinyl chloride	50.0	45.2		ug/L		90	59 - 136
Xylenes, Total	100	96.8		ug/L		97	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*99*		*78 - 118*
Dibromofluoromethane	*104*		*81 - 121*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: 400-124305-3 MS
Matrix: Water
Analysis Batch: 314441

Client Sample ID: MW6D-ROX-071116
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		200	174		ug/L		87	43 - 160
Acrolein	ND		500	395		ug/L		79	38 - 160
Acrylonitrile	ND		500	503		ug/L		101	62 - 149
Benzene	ND		50.0	51.1		ug/L		102	56 - 142
Bromobenzene	ND		50.0	53.6		ug/L		107	59 - 136
Bromochloromethane	ND		50.0	52.0		ug/L		104	64 - 140
Bromodichloromethane	ND		50.0	51.8		ug/L		104	59 - 143
Bromoform	ND		50.0	51.0		ug/L		102	50 - 140
Bromomethane	ND		50.0	78.4		ug/L		157	10 - 160
2-Butanone (MEK)	ND		200	199		ug/L		99	55 - 150
Carbon disulfide	ND		50.0	49.0		ug/L		98	48 - 152
Carbon tetrachloride	ND		50.0	50.8		ug/L		102	55 - 145
Chlorobenzene	ND		50.0	52.1		ug/L		104	64 - 130
Dibromochloromethane	ND		50.0	53.8		ug/L		108	56 - 143
Chloroethane	ND		50.0	44.9		ug/L		90	50 - 151
2-Chloroethyl vinyl ether	ND	F1	50.0	ND	F1	ug/L		0	10 - 160
Chloroform	ND		50.0	51.6		ug/L		103	60 - 141
1-Chlorohexane	ND		50.0	51.2		ug/L		102	56 - 136
Chloromethane	ND		50.0	38.2		ug/L		76	49 - 148
cis-1,2-Dichloroethene	ND		50.0	51.7		ug/L		103	59 - 143
cis-1,3-Dichloropropene	ND		50.0	52.2		ug/L		104	57 - 140
1,2-Dichlorobenzene	ND		50.0	52.3		ug/L		105	52 - 137
1,3-Dichlorobenzene	ND		50.0	53.1		ug/L		106	54 - 135
1,4-Dichlorobenzene	ND		50.0	52.5		ug/L		105	53 - 135
Dichlorodifluoromethane	ND		50.0	46.1		ug/L		92	16 - 160
1,1-Dichloroethane	ND		50.0	51.6		ug/L		103	61 - 144
1,2-Dichloroethane	ND		50.0	50.8		ug/L		102	60 - 141
1,1-Dichloroethene	ND		50.0	52.2		ug/L		104	54 - 147
1,2-Dichloropropane	ND		50.0	51.1		ug/L		102	66 - 137
1,3-Dichloropropane	ND		50.0	53.0		ug/L		106	66 - 133

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

Lab Sample ID: 400-124305-3 MS
Matrix: Water
Analysis Batch: 314441

Client Sample ID: MW6D-ROX-071116
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	53.1		ug/L		106	42 - 144
1,1-Dichloropropene	ND		50.0	51.1		ug/L		102	65 - 136
Ethylbenzene	ND		50.0	52.4		ug/L		105	58 - 131
Ethyl methacrylate	ND		50.0	51.7		ug/L		103	64 - 130
Hexachlorobutadiene	ND		50.0	53.6		ug/L		107	31 - 149
2-Hexanone	ND		200	202		ug/L		101	65 - 140
Isopropylbenzene	ND		50.0	52.9		ug/L		106	56 - 133
Methylene bromide	ND		50.0	52.2		ug/L		104	63 - 138
Methylene Chloride	ND		50.0	48.0		ug/L		96	60 - 146
4-Methyl-2-pentanone (MIBK)	ND		200	205		ug/L		102	63 - 146
Methyl tert-butyl ether	ND		50.0	51.5		ug/L		103	59 - 137
m-Xylene & p-Xylene	ND		50.0	51.7		ug/L		103	57 - 130
Naphthalene	ND		50.0	50.4		ug/L		101	25 - 160
n-Butylbenzene	ND		50.0	53.7		ug/L		107	41 - 142
N-Propylbenzene	ND		50.0	53.8		ug/L		108	51 - 138
o-Chlorotoluene	ND		50.0	53.2		ug/L		106	53 - 134
o-Xylene	ND		50.0	52.3		ug/L		105	61 - 130
p-Chlorotoluene	ND		50.0	52.9		ug/L		106	54 - 133
p-Isopropyltoluene	ND		50.0	54.9		ug/L		110	48 - 139
sec-Butylbenzene	ND		50.0	54.6		ug/L		109	50 - 138
Styrene	ND		50.0	52.4		ug/L		105	58 - 131
tert-Butylbenzene	ND		50.0	54.2		ug/L		108	54 - 146
1,1,1,2-Tetrachloroethane	ND		50.0	53.3		ug/L		107	59 - 137
1,1,2,2-Tetrachloroethane	ND		50.0	51.5		ug/L		103	66 - 135
Tetrachloroethene	ND		50.0	51.2		ug/L		102	52 - 133
Toluene	ND		50.0	51.0		ug/L		102	65 - 130
trans-1,2-Dichloroethene	ND		50.0	51.4		ug/L		103	61 - 143
trans-1,3-Dichloropropene	ND		50.0	53.0		ug/L		106	53 - 133
1,2,3-Trichlorobenzene	ND		50.0	51.5		ug/L		103	43 - 145
1,2,4-Trichlorobenzene	ND		50.0	51.4		ug/L		103	39 - 148
1,1,1-Trichloroethane	ND		50.0	51.0		ug/L		102	57 - 142
1,1,2-Trichloroethane	ND		50.0	53.4		ug/L		107	66 - 131
Trichloroethene	ND		50.0	51.9		ug/L		104	64 - 136
Trichlorofluoromethane	ND		50.0	38.9		ug/L		78	54 - 156
1,2,3-Trichloropropane	ND		50.0	51.5		ug/L		103	65 - 133
1,2,4-Trimethylbenzene	ND		50.0	54.1		ug/L		108	50 - 139
1,3,5-Trimethylbenzene	ND		50.0	54.1		ug/L		108	52 - 135
Vinyl acetate	ND		100	99.8		ug/L		100	26 - 160
Vinyl chloride	ND		50.0	46.6		ug/L		93	46 - 152
Xylenes, Total	ND		100	104		ug/L		104	59 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*78 - 118*
Dibromofluoromethane	*103*		*81 - 121*
Toluene-d8 (Surr)	*100*		*80 - 120*

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

Lab Sample ID: 400-124305-3 MSD
Matrix: Water
Analysis Batch: 314441

Client Sample ID: MW6D-ROX-071116
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	194		ug/L		97	43 - 160	11	30
Acrolein	ND		500	429		ug/L		86	38 - 160	8	31
Acrylonitrile	ND		500	561		ug/L		112	62 - 149	11	30
Benzene	ND		50.0	52.2		ug/L		104	56 - 142	2	30
Bromobenzene	ND		50.0	54.0		ug/L		108	59 - 136	1	30
Bromochloromethane	ND		50.0	54.0		ug/L		108	64 - 140	4	30
Bromodichloromethane	ND		50.0	53.1		ug/L		106	59 - 143	3	30
Bromoform	ND		50.0	53.9		ug/L		108	50 - 140	6	30
Bromomethane	ND		50.0	67.1		ug/L		134	10 - 160	16	50
2-Butanone (MEK)	ND		200	224		ug/L		112	55 - 150	12	30
Carbon disulfide	ND		50.0	50.7		ug/L		101	48 - 152	4	30
Carbon tetrachloride	ND		50.0	52.5		ug/L		105	55 - 145	3	30
Chlorobenzene	ND		50.0	53.1		ug/L		106	64 - 130	2	30
Dibromochloromethane	ND		50.0	55.5		ug/L		111	56 - 143	3	30
Chloroethane	ND		50.0	46.5		ug/L		93	50 - 151	3	30
2-Chloroethyl vinyl ether	ND	F1	50.0	ND	F1	ug/L		0	10 - 160	NC	50
Chloroform	ND		50.0	52.6		ug/L		105	60 - 141	2	30
1-Chlorohexane	ND		50.0	51.0		ug/L		102	56 - 136	0	30
Chloromethane	ND		50.0	40.1		ug/L		80	49 - 148	5	31
cis-1,2-Dichloroethene	ND		50.0	53.8		ug/L		108	59 - 143	4	30
cis-1,3-Dichloropropene	ND		50.0	53.5		ug/L		107	57 - 140	3	30
1,2-Dichlorobenzene	ND		50.0	53.0		ug/L		106	52 - 137	1	30
1,3-Dichlorobenzene	ND		50.0	52.8		ug/L		106	54 - 135	1	30
1,4-Dichlorobenzene	ND		50.0	52.8		ug/L		106	53 - 135	1	30
Dichlorodifluoromethane	ND		50.0	47.7		ug/L		95	16 - 160	3	31
1,1-Dichloroethane	ND		50.0	53.4		ug/L		107	61 - 144	3	30
1,2-Dichloroethane	ND		50.0	52.7		ug/L		105	60 - 141	4	30
1,1-Dichloroethene	ND		50.0	53.9		ug/L		108	54 - 147	3	30
1,2-Dichloropropane	ND		50.0	52.6		ug/L		105	66 - 137	3	30
1,3-Dichloropropane	ND		50.0	54.8		ug/L		110	66 - 133	3	30
2,2-Dichloropropane	ND		50.0	54.5		ug/L		109	42 - 144	3	31
1,1-Dichloropropene	ND		50.0	52.6		ug/L		105	65 - 136	3	30
Ethylbenzene	ND		50.0	52.8		ug/L		106	58 - 131	1	30
Ethyl methacrylate	ND		50.0	55.6		ug/L		111	64 - 130	7	30
Hexachlorobutadiene	ND		50.0	51.1		ug/L		102	31 - 149	5	36
2-Hexanone	ND		200	226		ug/L		113	65 - 140	11	30
Isopropylbenzene	ND		50.0	53.0		ug/L		106	56 - 133	0	30
Methylene bromide	ND		50.0	55.0		ug/L		110	63 - 138	5	30
Methylene Chloride	ND		50.0	50.0		ug/L		100	60 - 146	4	32
4-Methyl-2-pentanone (MIBK)	ND		200	227		ug/L		114	63 - 146	10	30
Methyl tert-butyl ether	ND		50.0	54.6		ug/L		109	59 - 137	6	30
m-Xylene & p-Xylene	ND		50.0	52.1		ug/L		104	57 - 130	1	30
Naphthalene	ND		50.0	53.8		ug/L		108	25 - 160	7	30
n-Butylbenzene	ND		50.0	51.2		ug/L		102	41 - 142	5	31
N-Propylbenzene	ND		50.0	53.4		ug/L		107	51 - 138	1	30
o-Chlorotoluene	ND		50.0	51.9		ug/L		104	53 - 134	2	30
o-Xylene	ND		50.0	52.5		ug/L		105	61 - 130	0	30
p-Chlorotoluene	ND		50.0	52.9		ug/L		106	54 - 133	0	30

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

Lab Sample ID: 400-124305-3 MSD
Matrix: Water
Analysis Batch: 314441

Client Sample ID: MW6D-ROX-071116
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	54.0		ug/L		108	48 - 139	2	30
sec-Butylbenzene	ND		50.0	53.4		ug/L		107	50 - 138	2	30
Styrene	ND		50.0	52.9		ug/L		106	58 - 131	1	30
tert-Butylbenzene	ND		50.0	53.9		ug/L		108	54 - 146	1	30
1,1,1,2-Tetrachloroethane	ND		50.0	54.4		ug/L		109	59 - 137	2	30
1,1,2,2-Tetrachloroethane	ND		50.0	54.8		ug/L		110	66 - 135	6	30
Tetrachloroethene	ND		50.0	51.7		ug/L		103	52 - 133	1	30
Toluene	ND		50.0	51.7		ug/L		103	65 - 130	1	30
trans-1,2-Dichloroethene	ND		50.0	53.2		ug/L		106	61 - 143	3	30
trans-1,3-Dichloropropene	ND		50.0	55.0		ug/L		110	53 - 133	4	30
1,2,3-Trichlorobenzene	ND		50.0	52.5		ug/L		105	43 - 145	2	30
1,2,4-Trichlorobenzene	ND		50.0	51.4		ug/L		103	39 - 148	0	30
1,1,1-Trichloroethane	ND		50.0	52.4		ug/L		105	57 - 142	3	30
1,1,2-Trichloroethane	ND		50.0	55.4		ug/L		111	66 - 131	4	30
Trichloroethene	ND		50.0	53.0		ug/L		106	64 - 136	2	30
Trichlorofluoromethane	ND		50.0	40.7		ug/L		81	54 - 156	5	30
1,2,3-Trichloropropane	ND		50.0	55.4		ug/L		111	65 - 133	7	30
1,2,4-Trimethylbenzene	ND		50.0	53.6		ug/L		107	50 - 139	1	30
1,3,5-Trimethylbenzene	ND		50.0	53.8		ug/L		108	52 - 135	1	30
Vinyl acetate	ND		100	110		ug/L		110	26 - 160	10	33
Vinyl chloride	ND		50.0	48.4		ug/L		97	46 - 152	4	30
Xylenes, Total	ND		100	105		ug/L		105	59 - 130	0	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*78 - 118*
Dibromofluoromethane	*104*		*81 - 121*
Toluene-d8 (Surr)	*100*		*80 - 120*

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

Lab Sample ID: MB 400-314434/1-A
Matrix: Water
Analysis Batch: 314976

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 314434

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		07/15/16 09:43	07/20/16 13:58	1
Benzenethiol	ND		10	1.7	ug/L		07/15/16 09:43	07/20/16 13:58	1
Benzoic acid	ND		30	7.3	ug/L		07/15/16 09:43	07/20/16 13:58	1
Benzyl alcohol	ND		10	2.0	ug/L		07/15/16 09:43	07/20/16 13:58	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		07/15/16 09:43	07/20/16 13:58	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		07/15/16 09:43	07/20/16 13:58	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		07/15/16 09:43	07/20/16 13:58	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		07/15/16 09:43	07/20/16 13:58	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		07/15/16 09:43	07/20/16 13:58	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		07/15/16 09:43	07/20/16 13:58	1
4-Chloroaniline	ND		10	3.4	ug/L		07/15/16 09:43	07/20/16 13:58	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		07/15/16 09:43	07/20/16 13:58	1
2-Chloronaphthalene	ND		10	0.52	ug/L		07/15/16 09:43	07/20/16 13:58	1

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

Lab Sample ID: MB 400-314434/1-A
Matrix: Water
Analysis Batch: 314976

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 314434

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorophenol	ND		10	2.2	ug/L		07/15/16 09:43	07/20/16 13:58	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		07/15/16 09:43	07/20/16 13:58	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		07/15/16 09:43	07/20/16 13:58	1
Dibenzofuran	ND		10	0.52	ug/L		07/15/16 09:43	07/20/16 13:58	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		07/15/16 09:43	07/20/16 13:58	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		07/15/16 09:43	07/20/16 13:58	1
Diethyl phthalate	ND		10	0.70	ug/L		07/15/16 09:43	07/20/16 13:58	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		07/15/16 09:43	07/20/16 13:58	1
Dimethyl phthalate	ND		10	0.60	ug/L		07/15/16 09:43	07/20/16 13:58	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		07/15/16 09:43	07/20/16 13:58	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/15/16 09:43	07/20/16 13:58	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		07/15/16 09:43	07/20/16 13:58	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		07/15/16 09:43	07/20/16 13:58	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		07/15/16 09:43	07/20/16 13:58	1
Di-n-octyl phthalate	ND		10	0.44	ug/L		07/15/16 09:43	07/20/16 13:58	1
1,4-Dioxane	ND		10	1.0	ug/L		07/15/16 09:43	07/20/16 13:58	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		07/15/16 09:43	07/20/16 13:58	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/15/16 09:43	07/20/16 13:58	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		07/15/16 09:43	07/20/16 13:58	1
Hexachloroethane	ND		10	4.2	ug/L		07/15/16 09:43	07/20/16 13:58	1
Indene	ND		10	1.0	ug/L		07/15/16 09:43	07/20/16 13:58	1
Isophorone	ND		10	0.57	ug/L		07/15/16 09:43	07/20/16 13:58	1
2-Methylphenol	ND		10	1.8	ug/L		07/15/16 09:43	07/20/16 13:58	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		07/15/16 09:43	07/20/16 13:58	1
2-Nitroaniline	ND		10	2.2	ug/L		07/15/16 09:43	07/20/16 13:58	1
3-Nitroaniline	ND		10	1.8	ug/L		07/15/16 09:43	07/20/16 13:58	1
4-Nitroaniline	ND		10	2.5	ug/L		07/15/16 09:43	07/20/16 13:58	1
Nitrobenzene	ND		10	0.55	ug/L		07/15/16 09:43	07/20/16 13:58	1
2-Nitrophenol	ND		10	0.65	ug/L		07/15/16 09:43	07/20/16 13:58	1
4-Nitrophenol	ND		10	2.1	ug/L		07/15/16 09:43	07/20/16 13:58	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		07/15/16 09:43	07/20/16 13:58	1
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		07/15/16 09:43	07/20/16 13:58	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		07/15/16 09:43	07/20/16 13:58	1
Pentachlorophenol	ND		20	1.8	ug/L		07/15/16 09:43	07/20/16 13:58	1
Phenol	ND		10	2.6	ug/L		07/15/16 09:43	07/20/16 13:58	1
Pyridine	ND		10	3.2	ug/L		07/15/16 09:43	07/20/16 13:58	1
Quinoline	ND		10	6.0	ug/L		07/15/16 09:43	07/20/16 13:58	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		07/15/16 09:43	07/20/16 13:58	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		07/15/16 09:43	07/20/16 13:58	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*61*		*34 - 120*	*07/15/16 09:43*	*07/20/16 13:58*	*1*
2-Fluorophenol	*52*		*10 - 120*	*07/15/16 09:43*	*07/20/16 13:58*	*1*
Nitrobenzene-d5	*61*		*27 - 120*	*07/15/16 09:43*	*07/20/16 13:58*	*1*
Phenol-d5	*57*		*10 - 120*	*07/15/16 09:43*	*07/20/16 13:58*	*1*
Terphenyl-d14	*70*		*53 - 125*	*07/15/16 09:43*	*07/20/16 13:58*	*1*
2,4,6-Tribromophenol	*71*		*15 - 135*	*07/15/16 09:43*	*07/20/16 13:58*	*1*

Lab Sample ID: LCS 400-314434/2-A
Matrix: Water
Analysis Batch: 314976

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 314434

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aniline	30.0	20.5		ug/L		68	10 - 145
Benzoic acid	121	72.1		ug/L		60	10 - 120
Benzyl alcohol	30.0	20.2		ug/L		67	51 - 121
Bis(2-chloroethoxy)methane	30.0	19.6		ug/L		65	54 - 123
Bis(2-chloroethyl)ether	30.0	19.3		ug/L		64	47 - 120
bis (2-chloroisopropyl) ether	30.0	18.4		ug/L		61	20 - 142
Bis(2-ethylhexyl) phthalate	30.0	22.6		ug/L		75	62 - 140
4-Bromophenyl phenyl ether	30.0	23.6		ug/L		79	62 - 132
Butyl benzyl phthalate	30.0	22.9		ug/L		76	51 - 150
4-Chloroaniline	30.0	20.1		ug/L		67	32 - 128
4-Chloro-3-methylphenol	30.0	22.9		ug/L		76	47 - 135
2-Chloronaphthalene	30.0	20.1		ug/L		67	24 - 150
2-Chlorophenol	30.0	19.7		ug/L		66	45 - 120
4-Chlorophenyl phenyl ether	30.0	24.0		ug/L		80	61 - 133
Dibenz[a,h]acridine	30.0	17.9		ug/L		60	60 - 131
Dibenzofuran	30.0	22.5		ug/L		75	62 - 124
3,3'-Dichlorobenzidine	40.0	42.2		ug/L		106	16 - 167
2,4-Dichlorophenol	30.0	22.0		ug/L		73	52 - 125
Diethyl phthalate	30.0	20.7		ug/L		69	55 - 140
2,4-Dimethylphenol	30.0	20.9		ug/L		70	52 - 121
Dimethyl phthalate	30.0	22.9		ug/L		76	50 - 133
Di-n-butyl phthalate	30.0	19.3		ug/L		64	59 - 144
4,6-Dinitro-ortho-cresol	60.0	51.4		ug/L		86	46 - 136
2,4-Dinitrophenol	101	99.7		ug/L		99	22 - 146
2,4-Dinitrotoluene	30.0	23.2		ug/L		77	54 - 141
2,6-Dinitrotoluene	30.0	24.8		ug/L		83	61 - 130
Di-n-octyl phthalate	30.0	22.1		ug/L		74	55 - 140
1,4-Dioxane	30.0	15.6		ug/L		52	10 - 130
1,2-Diphenylhydrazine (as Azobenzene)	30.0	20.4		ug/L		68	55 - 139
Hexachlorobenzene	30.0	24.6		ug/L		82	60 - 138
Hexachlorocyclopentadiene	30.0	16.3	J	ug/L		54	1 - 139
Hexachloroethane	30.0	20.9		ug/L		70	46 - 121
Indene	30.0	21.2		ug/L		71	17 - 141
Isophorone	30.0	22.4		ug/L		75	57 - 122
2-Methylphenol	30.0	21.5		ug/L		72	38 - 121
3 & 4 Methylphenol	30.0	19.4	J	ug/L		65	43 - 126
2-Nitroaniline	30.0	24.1		ug/L		80	52 - 135
3-Nitroaniline	30.0	29.8		ug/L		99	51 - 128
4-Nitroaniline	30.0	28.2		ug/L		94	38 - 141
Nitrobenzene	30.0	22.8		ug/L		76	52 - 128
2-Nitrophenol	30.0	20.3		ug/L		68	47 - 129
4-Nitrophenol	60.0	45.9		ug/L		77	34 - 137
N-Nitrosodimethylamine	30.0	17.4		ug/L		58	21 - 134
N-Nitrosodi-n-propylamine	30.0	19.7		ug/L		66	41 - 143
N-Nitrosodiphenylamine	30.0	21.8		ug/L		73	10 - 185
Pentachlorophenol	60.0	42.5		ug/L		71	38 - 138
Phenol	30.0	20.0		ug/L		67	37 - 120
Pyridine	30.0	16.2		ug/L		54	10 - 127
Quinoline	30.0	19.9		ug/L		66	10 - 164

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

Lab Sample ID: LCS 400-314434/2-A
Matrix: Water
Analysis Batch: 314976

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 314434

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4,5-Trichlorophenol	30.0	24.5		ug/L		82	53 - 130
2,4,6-Trichlorophenol	30.0	23.1		ug/L		77	52 - 131

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*59*		*34 - 120*
2-Fluorophenol	*59*		*10 - 120*
Nitrobenzene-d5	*71*		*27 - 120*
Phenol-d5	*66*		*10 - 120*
Terphenyl-d14	*75*		*53 - 125*
2,4,6-Tribromophenol	*91*		*15 - 135*

Lab Sample ID: LCS 400-314434/4-A
Matrix: Water
Analysis Batch: 314976

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 314434

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzenethiol	100	1.81	J *	ug/L		2	20 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*57*		*34 - 120*
2-Fluorophenol	*49*		*10 - 120*
Nitrobenzene-d5	*56*		*27 - 120*
Phenol-d5	*53*		*10 - 120*
Terphenyl-d14	*70*		*53 - 125*
2,4,6-Tribromophenol	*79*		*15 - 135*

Lab Sample ID: LCSD 400-314434/3-A
Matrix: Water
Analysis Batch: 314976

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 314434

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aniline	30.0	7.33	J *	ug/L		24	10 - 145	95	30
Benzoic acid	121	97.8		ug/L		81	10 - 120	30	30
Benzyl alcohol	30.0	19.5		ug/L		65	51 - 121	4	30
Bis(2-chloroethoxy)methane	30.0	19.0		ug/L		63	54 - 123	4	30
Bis(2-chloroethyl)ether	30.0	18.5		ug/L		62	47 - 120	4	30
bis (2-chloroisopropyl) ether	30.0	17.6		ug/L		59	20 - 142	5	30
Bis(2-ethylhexyl) phthalate	30.0	22.3		ug/L		74	62 - 140	1	30
4-Bromophenyl phenyl ether	30.0	23.2		ug/L		77	62 - 132	2	30
Butyl benzyl phthalate	30.0	22.5		ug/L		75	51 - 150	2	30
4-Chloroaniline	30.0	19.0		ug/L		63	32 - 128	6	30
4-Chloro-3-methylphenol	30.0	22.0		ug/L		73	47 - 135	4	30
2-Chloronaphthalene	30.0	22.5		ug/L		75	24 - 150	11	30
2-Chlorophenol	30.0	19.5		ug/L		65	45 - 120	1	30
4-Chlorophenyl phenyl ether	30.0	22.8		ug/L		76	61 - 133	5	30
Dibenz[a,h]acridine	30.0	16.9	*	ug/L		56	60 - 131	6	30
Dibenzofuran	30.0	22.0		ug/L		73	62 - 124	2	30
3,3'-Dichlorobenzidine	40.0	35.6		ug/L		89	16 - 167	17	30

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

Lab Sample ID: LCSD 400-314434/3-A
Matrix: Water
Analysis Batch: 314976

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 314434

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-Dichlorophenol	30.0	21.4		ug/L		71	52 - 125	3	30
Diethyl phthalate	30.0	20.4		ug/L		68	55 - 140	1	30
2,4-Dimethylphenol	30.0	17.4		ug/L		58	52 - 121	18	30
Dimethyl phthalate	30.0	22.7		ug/L		76	50 - 133	1	30
Di-n-butyl phthalate	30.0	20.7		ug/L		69	59 - 144	7	30
4,6-Dinitro-ortho-cresol	60.0	52.4		ug/L		87	46 - 136	2	30
2,4-Dinitrophenol	101	106		ug/L		104	22 - 146	6	30
2,4-Dinitrotoluene	30.0	23.4		ug/L		78	54 - 141	1	30
2,6-Dinitrotoluene	30.0	24.9		ug/L		83	61 - 130	0	30
Di-n-octyl phthalate	30.0	21.3		ug/L		71	55 - 140	3	30
1,4-Dioxane	30.0	17.4		ug/L		58	10 - 130	11	30
1,2-Diphenylhydrazine (as Azobenzene)	30.0	20.2		ug/L		67	55 - 139	1	30
Hexachlorobenzene	30.0	24.4		ug/L		81	60 - 138	0	30
Hexachlorocyclopentadiene	30.0	20.7		ug/L		69	1 - 139	24	30
Hexachloroethane	30.0	18.4		ug/L		61	46 - 121	13	30
Indene	30.0	22.0		ug/L		73	17 - 141	4	30
Isophorone	30.0	19.7		ug/L		66	57 - 122	13	30
2-Methylphenol	30.0	20.8		ug/L		69	38 - 121	3	30
3 & 4 Methylphenol	30.0	17.4	J	ug/L		58	43 - 126	11	30
2-Nitroaniline	30.0	24.3		ug/L		81	52 - 135	1	30
3-Nitroaniline	30.0	26.9		ug/L		90	51 - 128	10	30
4-Nitroaniline	30.0	25.1		ug/L		84	38 - 141	12	30
Nitrobenzene	30.0	19.4		ug/L		65	52 - 128	16	30
2-Nitrophenol	30.0	18.5		ug/L		62	47 - 129	9	30
4-Nitrophenol	60.0	42.5		ug/L		71	34 - 137	8	30
N-Nitrosodimethylamine	30.0	17.3		ug/L		58	21 - 134	0	30
N-Nitrosodi-n-propylamine	30.0	17.8		ug/L		59	41 - 143	10	30
N-Nitrosodiphenylamine	30.0	21.6		ug/L		72	10 - 185	1	30
Pentachlorophenol	60.0	46.1		ug/L		77	38 - 138	8	30
Phenol	30.0	20.3		ug/L		68	37 - 120	1	30
Pyridine	30.0	ND	*	ug/L		3	10 - 127	179	30
Quinoline	30.0	16.5		ug/L		55	10 - 164	19	30
2,4,5-Trichlorophenol	30.0	26.9		ug/L		90	53 - 130	9	30
2,4,6-Trichlorophenol	30.0	25.2		ug/L		84	52 - 131	9	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*69*		*34 - 120*
2-Fluorophenol	*66*		*10 - 120*
Nitrobenzene-d5	*65*		*27 - 120*
Phenol-d5	*70*		*10 - 120*
Terphenyl-d14	*78*		*53 - 125*
2,4,6-Tribromophenol	*99*		*15 - 135*

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

Lab Sample ID: LCSD 400-314434/5-A
Matrix: Water
Analysis Batch: 314976

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 314434

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzenethiol			100	2.71	J *	ug/L		3	20 - 150	40	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*72*		*34 - 120*
2-Fluorophenol	*53*		*10 - 120*
Nitrobenzene-d5	*58*		*27 - 120*
Phenol-d5	*57*		*10 - 120*
Terphenyl-d14	*73*		*53 - 125*
2,4,6-Tribromophenol	*83*		*15 - 135*

Lab Sample ID: 400-124395-A-4-A MS
Matrix: Water
Analysis Batch: 314976

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 314434

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aniline	ND	*	30.0	12.4		ug/L		41	10 - 143
Benzoic acid	ND		121	92.5		ug/L		77	10 - 134
Benzyl alcohol	ND		30.0	14.0		ug/L		47	10 - 154
Bis(2-chloroethoxy)methane	ND		30.0	18.2		ug/L		61	14 - 147
Bis(2-chloroethyl)ether	ND		30.0	17.8		ug/L		59	28 - 130
bis (2-chloroisopropyl) ether	ND		30.0	15.4		ug/L		51	10 - 141
Bis(2-ethylhexyl) phthalate	ND		30.0	20.2		ug/L		67	43 - 160
4-Bromophenyl phenyl ether	ND		30.0	22.5		ug/L		75	26 - 159
Butyl benzyl phthalate	ND		30.0	20.8		ug/L		69	43 - 151
4-Chloroaniline	ND		30.0	15.4		ug/L		51	10 - 152
4-Chloro-3-methylphenol	ND		30.0	19.1		ug/L		64	17 - 156
2-Chloronaphthalene	ND		30.0	20.8		ug/L		69	10 - 155
2-Chlorophenol	ND		30.0	18.8		ug/L		63	19 - 130
4-Chlorophenyl phenyl ether	ND		30.0	22.0		ug/L		73	25 - 161
Dibenz[a,h]acridine	ND	*	30.0	16.6		ug/L		55	42 - 147
Dibenzofuran	ND		30.0	21.3		ug/L		71	18 - 157
3,3'-Dichlorobenzidine	ND		40.0	14.9		ug/L		37	10 - 172
2,4-Dichlorophenol	ND		30.0	21.2		ug/L		71	16 - 147
Diethyl phthalate	ND		30.0	20.0		ug/L		67	23 - 160
2,4-Dimethylphenol	ND		30.0	19.3		ug/L		64	25 - 146
Dimethyl phthalate	ND		30.0	22.2		ug/L		74	11 - 158
Di-n-butyl phthalate	ND		30.0	19.7		ug/L		66	28 - 162
4,6-Dinitro-ortho-cresol	ND		60.0	51.4		ug/L		86	10 - 168
2,4-Dinitrophenol	ND		101	105		ug/L		104	10 - 166
2,4-Dinitrotoluene	ND		30.0	22.6		ug/L		75	26 - 158
2,6-Dinitrotoluene	ND		30.0	24.6		ug/L		82	19 - 157
Di-n-octyl phthalate	ND		30.0	19.4		ug/L		65	42 - 150
1,4-Dioxane	ND		30.0	14.7		ug/L		49	10 - 130
1,2-Diphenylhydrazine (as Azobenzene)	ND		30.0	19.8		ug/L		66	19 - 162
Hexachlorobenzene	ND		30.0	23.1		ug/L		77	45 - 145
Hexachlorocyclopentadiene	ND		30.0	14.6	J	ug/L		49	10 - 151
Hexachloroethane	ND		30.0	21.6		ug/L		72	29 - 130

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

Lab Sample ID: 400-124395-A-4-A MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 314976 — **Prep Batch: 314434**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Indene	ND		30.0	18.3		ug/L		61	22 - 130
Isophorone	ND		30.0	19.0		ug/L		63	24 - 144
2-Methylphenol	ND		30.0	21.8		ug/L		73	22 - 130
3 & 4 Methylphenol	ND		30.0	18.9	J	ug/L		63	31 - 130
2-Nitroaniline	ND		30.0	23.8		ug/L		79	10 - 162
3-Nitroaniline	ND		30.0	24.4		ug/L		81	10 - 163
4-Nitroaniline	ND		30.0	24.2		ug/L		81	10 - 162
Nitrobenzene	ND		30.0	18.5		ug/L		62	34 - 135
2-Nitrophenol	ND		30.0	17.9		ug/L		60	27 - 134
4-Nitrophenol	ND		60.0	42.2		ug/L		70	10 - 175
N-Nitrosodimethylamine	ND		30.0	15.5		ug/L		52	10 - 139
N-Nitrosodi-n-propylamine	ND		30.0	18.0		ug/L		60	13 - 147
N-Nitrosodiphenylamine	ND		30.0	20.7		ug/L		69	31 - 150
Pentachlorophenol	ND		60.0	48.2		ug/L		80	10 - 180
Phenol	ND		30.0	19.5		ug/L		65	23 - 130
Pyridine	ND	* F1	30.0	ND	F1	ug/L		0	10 - 130
Quinoline	ND		30.0	16.5		ug/L		55	10 - 180
2,4,5-Trichlorophenol	ND		30.0	26.9		ug/L		90	43 - 137
2,4,6-Trichlorophenol	ND		30.0	24.6		ug/L		82	42 - 135

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*64*		*34 - 120*
2-Fluorophenol	*59*		*10 - 120*
Nitrobenzene-d5	*60*		*27 - 120*
Phenol-d5	*63*		*10 - 120*
Terphenyl-d14	*65*		*53 - 125*
2,4,6-Tribromophenol	*95*		*15 - 135*

Lab Sample ID: 400-124395-A-4-B MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 314976 — **Prep Batch: 314434**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aniline	ND	*	30.0	10.8		ug/L		36	10 - 143	13	63
Benzoic acid	ND		121	98.5		ug/L		82	10 - 134	6	49
Benzyl alcohol	ND		30.0	14.5		ug/L		48	10 - 154	3	37
Bis(2-chloroethoxy)methane	ND		30.0	18.3		ug/L		61	14 - 147	0	70
Bis(2-chloroethyl)ether	ND		30.0	17.3		ug/L		58	28 - 130	3	42
bis (2-chloroisopropyl) ether	ND		30.0	16.4		ug/L		55	10 - 141	7	41
Bis(2-ethylhexyl) phthalate	ND		30.0	20.7		ug/L		69	43 - 160	2	35
4-Bromophenyl phenyl ether	ND		30.0	22.4		ug/L		75	26 - 159	0	30
Butyl benzyl phthalate	ND		30.0	19.6		ug/L		65	43 - 151	6	32
4-Chloroaniline	ND		30.0	17.6		ug/L		59	10 - 152	13	94
4-Chloro-3-methylphenol	ND		30.0	22.3		ug/L		74	17 - 156	16	40
2-Chloronaphthalene	ND		30.0	21.0		ug/L		70	10 - 155	1	29
2-Chlorophenol	ND		30.0	18.5		ug/L		62	19 - 130	2	42
4-Chlorophenyl phenyl ether	ND		30.0	21.9		ug/L		73	25 - 161	0	27
Dibenz[a,h]acridine	ND	*	30.0	13.4		ug/L		45	42 - 147	22	40

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

Lab Sample ID: 400-124395-A-4-B MSD
Matrix: Water
Analysis Batch: 314976

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 314434

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Dibenzofuran	ND		30.0	21.6		ug/L		72	18 - 157	2	29
3,3'-Dichlorobenzidine	ND		40.0	12.9		ug/L		32	10 - 172	15	58
2,4-Dichlorophenol	ND		30.0	21.6		ug/L		72	16 - 147	2	43
Diethyl phthalate	ND		30.0	20.0		ug/L		67	23 - 160	0	40
2,4-Dimethylphenol	ND		30.0	19.8		ug/L		66	25 - 146	3	47
Dimethyl phthalate	ND		30.0	22.2		ug/L		74	11 - 158	0	36
Di-n-butyl phthalate	ND		30.0	19.4		ug/L		65	28 - 162	1	32
4,6-Dinitro-ortho-cresol	ND		60.0	53.0		ug/L		88	10 - 168	3	42
2,4-Dinitrophenol	ND		101	112		ug/L		110	10 - 166	6	36
2,4-Dinitrotoluene	ND		30.0	22.8		ug/L		76	26 - 158	1	28
2,6-Dinitrotoluene	ND		30.0	24.2		ug/L		81	19 - 157	1	28
Di-n-octyl phthalate	ND		30.0	18.2		ug/L		61	42 - 150	6	35
1,4-Dioxane	ND		30.0	14.2		ug/L		47	10 - 130	3	40
1,2-Diphenylhydrazine (as Azobenzene)	ND		30.0	20.1		ug/L		67	19 - 162	1	40
Hexachlorobenzene	ND		30.0	22.9		ug/L		76	45 - 145	1	33
Hexachlorocyclopentadiene	ND		30.0	14.0	J	ug/L		47	10 - 151	4	50
Hexachloroethane	ND		30.0	21.2		ug/L		71	29 - 130	2	41
Indene	ND		30.0	17.4		ug/L		58	22 - 130	5	40
Isophorone	ND		30.0	19.1		ug/L		64	24 - 144	0	33
2-Methylphenol	ND		30.0	22.1		ug/L		74	22 - 130	1	47
3 & 4 Methylphenol	ND		30.0	18.3	J	ug/L		61	31 - 130	3	47
2-Nitroaniline	ND		30.0	24.4		ug/L		81	10 - 162	2	33
3-Nitroaniline	ND		30.0	23.9		ug/L		80	10 - 163	2	39
4-Nitroaniline	ND		30.0	22.9		ug/L		76	10 - 162	5	50
Nitrobenzene	ND		30.0	19.0		ug/L		63	34 - 135	2	35
2-Nitrophenol	ND		30.0	18.4		ug/L		61	27 - 134	3	43
4-Nitrophenol	ND		60.0	44.3		ug/L		74	10 - 175	5	82
N-Nitrosodimethylamine	ND		30.0	15.8		ug/L		53	10 - 139	2	62
N-Nitrosodi-n-propylamine	ND		30.0	17.7		ug/L		59	13 - 147	2	36
N-Nitrosodiphenylamine	ND		30.0	20.9		ug/L		70	31 - 150	1	34
Pentachlorophenol	ND		60.0	50.5		ug/L		84	10 - 180	5	42
Phenol	ND		30.0	18.9		ug/L		63	23 - 130	3	52
Pyridine	ND	* F1	30.0	ND	F1	ug/L		0	10 - 130	NC	55
Quinoline	ND		30.0	18.5		ug/L		62	10 - 180	12	40
2,4,5-Trichlorophenol	ND		30.0	26.8		ug/L		89	43 - 137	1	42
2,4,6-Trichlorophenol	ND		30.0	24.9		ug/L		83	42 - 135	1	44

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*59*		*34 - 120*
2-Fluorophenol	*53*		*10 - 120*
Nitrobenzene-d5	*56*		*27 - 120*
Phenol-d5	*56*		*10 - 120*
Terphenyl-d14	*66*		*53 - 125*
2,4,6-Tribromophenol	*84*		*15 - 135*

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

Lab Sample ID: MB 400-314434/1-A
Matrix: Water
Analysis Batch: 314990

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 314434

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 05:56	1
Acenaphthylene	ND		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 05:56	1
Anthracene	ND		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 05:56	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 05:56	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 05:56	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 05:56	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 05:56	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 05:56	1
Chrysene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 05:56	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 05:56	1
Fluoranthene	ND		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 05:56	1
Fluorene	ND		0.20	0.021	ug/L		07/15/16 09:43	07/20/16 05:56	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 05:56	1
Phenanthrene	ND		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 05:56	1
Pyrene	ND		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 05:56	1
1-Methylnaphthalene	ND		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 05:56	1
2-Methylnaphthalene	ND		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 05:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*104*		*33 - 138*	*07/15/16 09:43*	*07/20/16 05:56*	*1*
2-Fluorobiphenyl	*65*		*15 - 122*	*07/15/16 09:43*	*07/20/16 05:56*	*1*
Nitrobenzene-d5	*67*		*19 - 130*	*07/15/16 09:43*	*07/20/16 05:56*	*1*

Lab Sample ID: LCS 400-314434/2-A
Matrix: Water
Analysis Batch: 314990

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 314434

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	30.0	24.2		ug/L		81	41 - 120
Acenaphthylene	30.0	25.0		ug/L		83	44 - 120
Anthracene	30.0	25.1		ug/L		84	49 - 120
Benzo[a]anthracene	30.0	25.3		ug/L		84	61 - 135
Benzo[a]pyrene	30.0	24.8		ug/L		83	52 - 120
Benzo[b]fluoranthene	30.0	27.0		ug/L		90	53 - 134
Benzo[g,h,i]perylene	30.0	25.4		ug/L		85	47 - 133
Benzo[k]fluoranthene	30.0	23.9		ug/L		80	57 - 134
Chrysene	30.0	25.0		ug/L		83	55 - 122
Dibenz(a,h)anthracene	30.0	24.9		ug/L		83	48 - 146
Fluoranthene	30.0	26.8		ug/L		89	54 - 128
Fluorene	30.0	24.9		ug/L		83	45 - 125
Indeno[1,2,3-cd]pyrene	30.0	24.1		ug/L		80	43 - 142
Phenanthrene	30.0	20.1		ug/L		67	48 - 120
Pyrene	30.0	24.6		ug/L		82	48 - 132
1-Methylnaphthalene	30.0	20.5		ug/L		68	41 - 120
2-Methylnaphthalene	30.0	19.8		ug/L		66	32 - 124

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

Lab Sample ID: LCS 400-314434/2-A
Matrix: Water
Analysis Batch: 314990

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 314434

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Terphenyl-d14	*81*		*33 - 138*
2-Fluorobiphenyl	*75*		*15 - 122*
Nitrobenzene-d5	*63*		*19 - 130*

Lab Sample ID: LCSD 400-314434/3-A
Matrix: Water
Analysis Batch: 314990

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 314434

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	30.0	24.1		ug/L		80	41 - 120	1	56
Acenaphthylene	30.0	24.3		ug/L		81	44 - 120	3	56
Anthracene	30.0	24.4		ug/L		81	49 - 120	3	51
Benzo[a]anthracene	30.0	23.8		ug/L		79	61 - 135	6	49
Benzo[a]pyrene	30.0	24.2		ug/L		81	52 - 120	3	50
Benzo[b]fluoranthene	30.0	26.3		ug/L		88	53 - 134	3	54
Benzo[g,h,i]perylene	30.0	26.7		ug/L		89	47 - 133	5	50
Benzo[k]fluoranthene	30.0	24.0		ug/L		80	57 - 134	0	52
Chrysene	30.0	24.4		ug/L		81	55 - 122	3	50
Dibenz(a,h)anthracene	30.0	25.4		ug/L		85	48 - 146	2	50
Fluoranthene	30.0	26.5		ug/L		88	54 - 128	1	52
Fluorene	30.0	24.1		ug/L		80	45 - 125	3	56
Indeno[1,2,3-cd]pyrene	30.0	24.8		ug/L		83	43 - 142	3	51
Phenanthrene	30.0	20.2		ug/L		67	48 - 120	0	56
Pyrene	30.0	23.8		ug/L		79	48 - 132	3	52
1-Methylnaphthalene	30.0	20.5		ug/L		68	41 - 120	0	55
2-Methylnaphthalene	30.0	20.1		ug/L		67	32 - 124	2	57

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Terphenyl-d14	*83*		*33 - 138*
2-Fluorobiphenyl	*80*		*15 - 122*
Nitrobenzene-d5	*66*		*19 - 130*

Lab Sample ID: 400-124395-A-4-A MS
Matrix: Water
Analysis Batch: 314990

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 314434

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.042	J	30.0	20.0		ug/L		66	35 - 113
Acenaphthylene	ND		30.0	20.0		ug/L		67	41 - 118
Anthracene	ND		30.0	19.6		ug/L		65	45 - 122
Benzo[a]anthracene	ND		30.0	18.6		ug/L		62	55 - 133
Benzo[a]pyrene	ND		30.0	17.3		ug/L		58	50 - 108
Benzo[b]fluoranthene	ND		30.0	19.4		ug/L		65	50 - 128
Benzo[g,h,i]perylene	ND		30.0	19.6		ug/L		65	46 - 133
Benzo[k]fluoranthene	ND		30.0	18.0		ug/L		60	52 - 128
Chrysene	ND		30.0	19.0		ug/L		63	52 - 116
Dibenz(a,h)anthracene	ND		30.0	19.5		ug/L		65	52 - 143
Fluoranthene	ND		30.0	21.6		ug/L		72	32 - 150

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

Lab Sample ID: 400-124395-A-4-A MS
Matrix: Water
Analysis Batch: 314990

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 314434

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluorene	ND		30.0	20.4		ug/L		68	15 - 150
Indeno[1,2,3-cd]pyrene	ND		30.0	18.6		ug/L		62	41 - 141
Phenanthrene	ND		30.0	16.6		ug/L		55	36 - 125
Pyrene	ND		30.0	19.6		ug/L		65	41 - 127
1-Methylnaphthalene	1.1		30.0	20.1		ug/L		63	10 - 150
2-Methylnaphthalene	1.1		30.0	19.0		ug/L		60	10 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Terphenyl-d14	*57*		*33 - 138*
2-Fluorobiphenyl	*61*		*15 - 122*
Nitrobenzene-d5	*59*		*19 - 130*

Lab Sample ID: 400-124395-A-4-B MSD
Matrix: Water
Analysis Batch: 314990

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 314434

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	0.042	J	30.0	21.6		ug/L		72	35 - 113	8	49
Acenaphthylene	ND		30.0	22.0		ug/L		73	41 - 118	10	48
Anthracene	ND		30.0	20.5		ug/L		68	45 - 122	5	56
Benzo[a]anthracene	ND		30.0	19.5		ug/L		65	55 - 133	5	57
Benzo[a]pyrene	ND		30.0	18.1		ug/L		60	50 - 108	4	59
Benzo[b]fluoranthene	ND		30.0	22.1		ug/L		74	50 - 128	13	62
Benzo[g,h,i]perylene	ND		30.0	20.2		ug/L		67	46 - 133	3	58
Benzo[k]fluoranthene	ND		30.0	18.7		ug/L		62	52 - 128	3	58
Chrysene	ND		30.0	20.0		ug/L		67	52 - 116	5	59
Dibenz(a,h)anthracene	ND		30.0	19.8		ug/L		66	52 - 143	2	60
Fluoranthene	ND		30.0	23.0		ug/L		77	32 - 150	6	59
Fluorene	ND		30.0	22.4		ug/L		75	15 - 150	10	49
Indeno[1,2,3-cd]pyrene	ND		30.0	18.7		ug/L		62	41 - 141	1	58
Phenanthrene	ND		30.0	17.8		ug/L		59	36 - 125	7	69
Pyrene	ND		30.0	21.3		ug/L		71	41 - 127	8	58
1-Methylnaphthalene	1.1		30.0	21.8		ug/L		69	10 - 150	8	66
2-Methylnaphthalene	1.1		30.0	21.0		ug/L		66	10 - 150	10	66

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Terphenyl-d14	*54*		*33 - 138*
2-Fluorobiphenyl	*61*		*15 - 122*
Nitrobenzene-d5	*60*		*19 - 130*

Method: 8011 - EDB and DBCP in Water by Microextraction

Lab Sample ID: MB 400-314557/1-A
Matrix: Water
Analysis Batch: 314704

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 314557

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		07/16/16 11:14	07/18/16 09:48	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		07/16/16 11:14	07/18/16 09:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*51 - 149*	*07/16/16 11:14*	*07/18/16 09:48*	*1*

Lab Sample ID: LCS 400-314557/2-A
Matrix: Water
Analysis Batch: 314704

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 314557

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	0.100	0.106		ug/L		106	60 - 140
1,2-Dibromoethane	0.100	0.118		ug/L		118	60 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*105*		*51 - 149*

Lab Sample ID: 400-124395-E-4-A MS
Matrix: Water
Analysis Batch: 314704

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 314557

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	ND	F2	0.102	0.0780		ug/L		76	65 - 135
1,2-Dibromoethane	ND	F2	0.102	0.0812		ug/L		80	65 - 135

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*80*		*51 - 149*

Lab Sample ID: 400-124395-E-4-B MSD
Matrix: Water
Analysis Batch: 314704

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 314557

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	0.0986	0.0856	F2	ug/L		87	65 - 135	23	20
1,2-Dibromoethane	ND		0.0986	0.0992		ug/L		101	65 - 135	20	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*93*		*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 FDG
- ☐ PIPELINE
- ☐ RETAIL
- ☐ CHEMICALS
- ☐ CONSULTANT
- ☐ LUBES
- ☐ TRANSPORTATION
- ☑ OTHER _ENV. SERVICES

Print Bill To Contact Name: Bob Billman

PO #: 60477387 - 1.03.003 / 1.03.0033

PlaNet Site or Project ID: 25278

GSAP Project ID: USPC/00114/R/02

☐ CHECK IF NO INCIDENT # APPLIES

DATE: 11 July 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 - 1.03.003 / 1.03.0033

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

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

PHONE NO.:

E-MAIL:

AECOM Chart ID:

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

SAMPLER NAME(S) (Print): S. Fisher / 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 DAY ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ 1A - RWQCB REPORT FORMAT

DELIVERABLES: ☑ 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

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

REQUESTED ANALYSIS

UNIT COST 60477387 - 1.03.0033

NON-UNIT COST 60477387 - 1.03.003

FIELD NOTES:

TEMPERATURE ON RECEIPT C°: 4.2°C 2.6°C 1&2 IR5

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
	TB-ROX-071116R-8011	7/11/16	0000	water	2					2	X			
	TB-ROX-071116R-8260	"	0000	"	2					2			X	
	MW6D-ROX-071116	"	0920	"	4			2		6	2	1	2	1
	MW6D-ROX-071116-DUP	"	0920	"	4			2		6	2	1	2	1
	MW6C-ROX-07116	"	1030	"	4			2		6	2	1	2	1
	MW6B-ROX-07116	"	1245	"	4			2		6	2	1	2	1
	MW6A-ROX-07116	"	1330	"	4			2		6	2	1	2	1

400-124305 COC

Relinquished by: (Signature) — 11 July 2016

Received by: (Signature)

Date: 11 July 2016 Time: 1730

Relinquished by: (Signature)

Received by: (Signature)

Date: 12 July 2016 Time: 1018

Relinquished by: (Signature)

Custody seals: Test America

743266 | 783317 | 783319

743267 | 783318 | 783320

7/12/2016

Ref: S400-56442 Dep:

Date: 20Jun16 Wgt: 10.00 LBS DV:

SHIPPING: 0.00 SPECIAL: 0.00 HANDLING: 0.00 TOTAL: 0.00

Svcs: PRIORITY OVERNIGHT TRCK: 6546 8386 3911

Ref: S400-56442 Dep:

Date: 20Jun16 Wgt: 10.00 LBS DV:

SHIPPING: 0.00 SPECIAL: 0.00 HANDLING: 0.00 TOTAL: 0.00

Svcs: PRIORITY OVERNIGHT TRCK: 6546 8386 3900

Login Sample Receipt Checklist

Client: AECOM Technical Services Inc.

Job Number: 400-124305-1
SDG Number: 60477387 - 1.03.003/1.03.0033

Login Number: 124305
List Number: 1
Creator: Benforado, Jessica L

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	4.2°C , 2.6°C , 1.2°C - IR5
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 (excluding tests with immediate HTs)	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").	False	Refer to Job Narrative for details.
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 - 3Q16

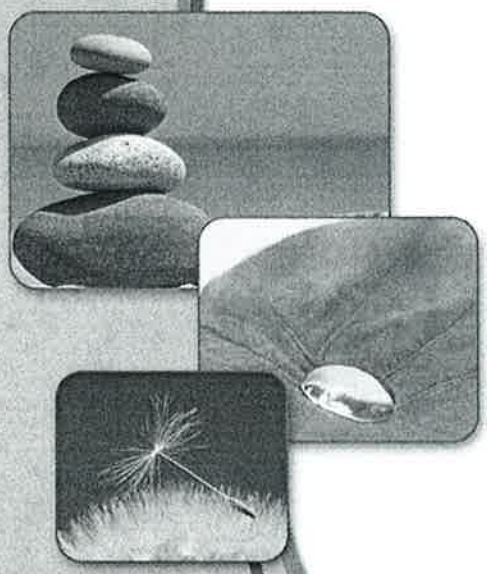
TestAmerica Job ID: 400-124305-1
SDG: 60477387 - 1.03.003/1.03.0033

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	06-30-17
Arizona	State Program	9	AZ0710	01-11-17
Arkansas DEQ	State Program	6	88-0689	09-01-16
California	ELAP	9	2510	03-31-18
Florida	NELAP	4	E81010	06-30-17
Georgia	State Program	4	N/A	06-30-17
Illinois	NELAP	5	200041	10-09-16
Iowa	State Program	7	367	07-31-16
Kansas	NELAP	7	E-10253	10-31-16
Kentucky (UST)	State Program	4	53	06-30-17
Kentucky (WW)	State Program	4	98030	12-31-16
Louisiana	NELAP	6	30976	06-30-17
Maryland	State Program	3	233	09-30-17
Massachusetts	State Program	1	M-FL094	06-30-16 *
Michigan	State Program	5	9912	05-06-17
New Jersey	NELAP	2	FL006	06-30-17
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	06-30-17
Texas	NELAP	6	T104704286-15-9	09-30-16
USDA	Federal		P330-16-00172	05-24-19
Virginia	NELAP	3	460166	06-14-17
Washington	State Program	10	C915	05-15-17
West Virginia DEP	State Program	3	136	08-31-16

* Certification renewal pending - certification considered valid.



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: 400-124310-1
TestAmerica Sample Delivery Group: 60477387 - 1.03.0033
Client Project/Site: ROXANA QUARTERLY GW - 3Q16
Revision: 1

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:
9/9/2016 2:02:39 PM

Carolyn Hooper, Project Manager I
(850)471-6226
carolyn.hooper@testamericainc.com

LINKS

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Reviewed 9/13/2016

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: 400-124310-1

Laboratory: TestAmerica Pensacola

Narrative

Job Narrative
400-124310-1

Receipt
The samples were received on 7/12/2016 10:18 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 3 coolers at receipt time were 1.2°C, 2.6°C and 4.2°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-071116W-8260 (400-124310-2), MW13-ROX-071116-EB (400-124310-3), MW13-ROX-071116 (400-124310-4), MW14-ROX-071116 (400-124310-5) and P66-ROX-071116 (400-124310-6). The requested target analyte list includes 2-chloroethyl vinyl ether, Acrolein and Acrylonitrile, which are acid-labile compounds that degrade in an acidic medium.

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-314441 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 analytical batch 400-314441 because the recoveries were below the reporting limit due to the acidic nature of the parent sample.

The initial calibration verification (ICV) analyzed in batch 400-313890 was outside method criteria for the following analyte: bromomethane. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

GC/MS Semi VOA
Method 8270D: Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base 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: MW13-ROX-071116 (400-124310-4), MW14-ROX-071116 (400-124310-5) and P66-ROX-071116 (400-124310-6). These results have been reported and qualified.

The continuing calibration verification (CCV) associated with batch 400-315342 recovered above the upper control limit for Benzyl alcohol and N-Nitrosodimethylamine. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: MW13-ROX-071116-EB (400-124310-3), MW13-ROX-071116 (400-124310-4), MW14-ROX-071116 (400-124310-5) and P66-ROX-071116 (400-124310-6).

The following analytes recovered outside control limits for the LCS/LCSD associated with preparation batch 400-314434 and analytical batch 400-314976: Pyridine and Dibenz[a,h]acridine. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.

The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for preparation batch 400-314434 and analytical batch 400-314976 recovered outside control limits for the following analyte(s): Benzenethiol. Benzenethiol has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed.

The %RPD of the laboratory control sample (LCS) and laboratory control standard duplicate (LCSD) for preparation batch 400-314434 recovered outside control limits for the following analytes: Aniline.

Method 8270D LL: 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: P66-ROX-071116 (400-124310-6). These results have been reported and qualified.

The following sample was diluted to bring the concentration of target analytes within the calibration range: P66-ROX-071116 (400-124310-6). Elevated reporting limits (RLs) are provided.

Revision 1

Job ID: 400-124310-1 (Continued)

Laboratory: TestAmerica Pensacola (Continued)

This report has been revised to re-link the Semi-Volatiles LCS 400-314434/2-A and LCSD 400-314434/3-A that were inadvertently missing from the original report.

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 - 3Q16

TestAmerica Job ID: 400-124310-1
SDG: 60477387 - 1.03.0033

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-124310-1	TB-ROX-071116W-8011	Water	07/11/16 00:00	07/12/16 10:18
400-124310-2	TB-ROX-071116W-8260	Water	07/11/16 00:00	07/12/16 10:18
400-124310-3	MW13-ROX-071116-EB	Water	07/11/16 09:45	07/12/16 10:18
400-124310-4	MW13-ROX-071116	Water	07/11/16 10:30	07/12/16 10:18
400-124310-5	MW14-ROX-071116	Water	07/11/16 13:10	07/12/16 10:18
400-124310-6	P66-ROX-071116	Water	07/11/16 14:10	07/12/16 10:18

Detection Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 3Q16

TestAmerica Job ID: 400-124310-1
SDG: 60477387 - 1.03.0033

Client Sample ID: TB-ROX-071116W-8011 — Lab Sample ID: 400-124310-1

No Detections.

Client Sample ID: TB-ROX-071116W-8260 — Lab Sample ID: 400-124310-2

No Detections.

Client Sample ID: MW13-ROX-071116-EB — Lab Sample ID: 400-124310-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Di-n-octyl phthalate	0.60	J	10	0.44	ug/L	1		8270D	Total/NA

Client Sample ID: MW13-ROX-071116 — Lab Sample ID: 400-124310-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	6.4		1.0	0.74	ug/L	1		8260B	Total/NA

Client Sample ID: MW14-ROX-071116 — Lab Sample ID: 400-124310-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.059	J	0.20	0.020	ug/L	1		8270D LL	Total/NA
Acenaphthylene	0.020	J	0.20	0.020	ug/L	1		8270D LL	Total/NA
Fluorene	0.029	J	0.20	0.021	ug/L	1		8270D LL	Total/NA
1-Methylnaphthalene	0.057	J	0.20	0.020	ug/L	1		8270D LL	Total/NA
Di-n-octyl phthalate	0.54	J	10	0.44	ug/L	1		8270D	Total/NA

Client Sample ID: P66-ROX-071116 — Lab Sample ID: 400-124310-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	3.7		1.0	0.38	ug/L	1		8260B	Total/NA
Chlorobenzene	0.54	J	1.0	0.50	ug/L	1		8260B	Total/NA
Ethylbenzene	7.5		1.0	0.50	ug/L	1		8260B	Total/NA
Isopropylbenzene	83		1.0	0.53	ug/L	1		8260B	Total/NA
Methyl tert-butyl ether	17		1.0	0.74	ug/L	1		8260B	Total/NA
m-Xylene & p-Xylene	3.2	J	5.0	1.6	ug/L	1		8260B	Total/NA
Naphthalene	26		1.0	1.0	ug/L	1		8260B	Total/NA
n-Butylbenzene	7.1		1.0	0.76	ug/L	1		8260B	Total/NA
N-Propylbenzene	100		1.0	0.69	ug/L	1		8260B	Total/NA
o-Xylene	1.0	J	5.0	0.60	ug/L	1		8260B	Total/NA
sec-Butylbenzene	12		1.0	0.70	ug/L	1		8260B	Total/NA
tert-Butylbenzene	2.8		1.0	0.63	ug/L	1		8260B	Total/NA
1,2,4-Trimethylbenzene	6.0		1.0	0.82	ug/L	1		8260B	Total/NA
1,3,5-Trimethylbenzene	0.82	J	1.0	0.56	ug/L	1		8260B	Total/NA
Xylenes, Total	4.2	J	10	1.6	ug/L	1		8260B	Total/NA
Acenaphthene	0.60	J	1.0	0.10	ug/L	5		8270D LL	Total/NA
Acenaphthylene	0.28	J	1.0	0.10	ug/L	5		8270D LL	Total/NA
Fluorene	0.91	J	1.0	0.11	ug/L	5		8270D LL	Total/NA
Phenanthrene	0.54	J	1.0	0.10	ug/L	5		8270D LL	Total/NA
1-Methylnaphthalene	62		1.0	0.10	ug/L	5		8270D LL	Total/NA
2-Methylnaphthalene	13		1.0	0.10	ug/L	5		8270D LL	Total/NA
Diethyl phthalate	1.9	J	10	0.70	ug/L	1		8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: TB-ROX-071116W-8011
Date Collected: 07/11/16 00:00
Date Received: 07/12/16 10:18

Lab Sample ID: 400-124310-1
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		07/16/16 11:14	07/18/16 15:47	1
1,2-Dibromoethane	ND		0.020	0.0051	ug/L		07/16/16 11:14	07/18/16 15:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*119*		*51 - 149*	*07/16/16 11:14*	*07/18/16 15:47*	*1*

Client Sample ID: TB-ROX-071116W-8260

Date Collected: 07/11/16 00:00
Date Received: 07/12/16 10:18

Lab Sample ID: 400-124310-2

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			07/15/16 17:39	1
Acrolein	ND		20	10	ug/L			07/15/16 17:39	1
Acrylonitrile	ND		10	2.8	ug/L			07/15/16 17:39	1
Benzene	ND		1.0	0.38	ug/L			07/15/16 17:39	1
Bromobenzene	ND		1.0	0.54	ug/L			07/15/16 17:39	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/15/16 17:39	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/15/16 17:39	1
Bromoform	ND		5.0	0.71	ug/L			07/15/16 17:39	1
Bromomethane	ND		1.0	0.98	ug/L			07/15/16 17:39	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/15/16 17:39	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/15/16 17:39	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			07/15/16 17:39	1
Chlorobenzene	ND		1.0	0.50	ug/L			07/15/16 17:39	1
Dibromochloromethane	ND		1.0	0.50	ug/L			07/15/16 17:39	1
Chloroethane	ND		1.0	0.76	ug/L			07/15/16 17:39	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/15/16 17:39	1
Chloroform	ND		1.0	0.60	ug/L			07/15/16 17:39	1
1-Chlorohexane	ND		1.0	0.70	ug/L			07/15/16 17:39	1
Chloromethane	ND		1.0	0.83	ug/L			07/15/16 17:39	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/15/16 17:39	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/15/16 17:39	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/15/16 17:39	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/15/16 17:39	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/15/16 17:39	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/15/16 17:39	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/15/16 17:39	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			07/15/16 17:39	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/15/16 17:39	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/15/16 17:39	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/15/16 17:39	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/15/16 17:39	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			07/15/16 17:39	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/15/16 17:39	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/15/16 17:39	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/15/16 17:39	1
2-Hexanone	ND		25	3.1	ug/L			07/15/16 17:39	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/15/16 17:39	1
Methylene bromide	ND		5.0	0.59	ug/L			07/15/16 17:39	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/15/16 17:39	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/15/16 17:39	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			07/15/16 17:39	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			07/15/16 17:39	1
Naphthalene	ND		1.0	1.0	ug/L			07/15/16 17:39	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/15/16 17:39	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/15/16 17:39	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/15/16 17:39	1
o-Xylene	ND		5.0	0.60	ug/L			07/15/16 17:39	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/15/16 17:39	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/15/16 17:39	1

Client Sample ID: TB-ROX-071116W-8260

Date Collected: 07/11/16 00:00
Date Received: 07/12/16 10:18

Lab Sample ID: 400-124310-2

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			07/15/16 17:39	1
Styrene	ND		1.0	1.0	ug/L			07/15/16 17:39	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/15/16 17:39	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			07/15/16 17:39	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/15/16 17:39	1
Tetrachloroethene	ND		1.0	0.58	ug/L			07/15/16 17:39	1
Toluene	ND		1.0	0.70	ug/L			07/15/16 17:39	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/15/16 17:39	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/15/16 17:39	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			07/15/16 17:39	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/15/16 17:39	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			07/15/16 17:39	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			07/15/16 17:39	1
Trichloroethene	ND		1.0	0.50	ug/L			07/15/16 17:39	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			07/15/16 17:39	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/15/16 17:39	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/15/16 17:39	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/15/16 17:39	1
Vinyl acetate	ND		25	2.0	ug/L			07/15/16 17:39	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/15/16 17:39	1
Xylenes, Total	ND		10	1.6	ug/L			07/15/16 17:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*78 - 118*		*07/15/16 17:39*	*1*
Dibromofluoromethane	*101*		*81 - 121*		*07/15/16 17:39*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*07/15/16 17:39*	*1*

Client Sample ID: MW13-ROX-071116-EB

Date Collected: 07/11/16 09:45
Date Received: 07/12/16 10:18

Lab Sample ID: 400-124310-3

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			07/15/16 18:06	1
Acrolein	ND		20	10	ug/L			07/15/16 18:06	1
Acrylonitrile	ND		10	2.8	ug/L			07/15/16 18:06	1
Benzene	ND		1.0	0.38	ug/L			07/15/16 18:06	1
Bromobenzene	ND		1.0	0.54	ug/L			07/15/16 18:06	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/15/16 18:06	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/15/16 18:06	1
Bromoform	ND		5.0	0.71	ug/L			07/15/16 18:06	1
Bromomethane	ND		1.0	0.98	ug/L			07/15/16 18:06	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/15/16 18:06	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/15/16 18:06	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			07/15/16 18:06	1
Chlorobenzene	ND		1.0	0.50	ug/L			07/15/16 18:06	1
Dibromochloromethane	ND		1.0	0.50	ug/L			07/15/16 18:06	1
Chloroethane	ND		1.0	0.76	ug/L			07/15/16 18:06	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/15/16 18:06	1
Chloroform	ND		1.0	0.60	ug/L			07/15/16 18:06	1
1-Chlorohexane	ND		1.0	0.70	ug/L			07/15/16 18:06	1
Chloromethane	ND		1.0	0.83	ug/L			07/15/16 18:06	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/15/16 18:06	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/15/16 18:06	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/15/16 18:06	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/15/16 18:06	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/15/16 18:06	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/15/16 18:06	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/15/16 18:06	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			07/15/16 18:06	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/15/16 18:06	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/15/16 18:06	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/15/16 18:06	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/15/16 18:06	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			07/15/16 18:06	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/15/16 18:06	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/15/16 18:06	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/15/16 18:06	1
2-Hexanone	ND		25	3.1	ug/L			07/15/16 18:06	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/15/16 18:06	1
Methylene bromide	ND		5.0	0.59	ug/L			07/15/16 18:06	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/15/16 18:06	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/15/16 18:06	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			07/15/16 18:06	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			07/15/16 18:06	1
Naphthalene	ND		1.0	1.0	ug/L			07/15/16 18:06	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/15/16 18:06	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/15/16 18:06	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/15/16 18:06	1
o-Xylene	ND		5.0	0.60	ug/L			07/15/16 18:06	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/15/16 18:06	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/15/16 18:06	1

Client Sample ID: MW13-ROX-071116-EB
Date Collected: 07/11/16 09:45
Date Received: 07/12/16 10:18

Lab Sample ID: 400-124310-3
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			07/15/16 18:06	1
Styrene	ND		1.0	1.0	ug/L			07/15/16 18:06	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/15/16 18:06	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			07/15/16 18:06	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/15/16 18:06	1
Tetrachloroethene	ND		1.0	0.58	ug/L			07/15/16 18:06	1
Toluene	ND		1.0	0.70	ug/L			07/15/16 18:06	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/15/16 18:06	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/15/16 18:06	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			07/15/16 18:06	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/15/16 18:06	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			07/15/16 18:06	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			07/15/16 18:06	1
Trichloroethene	ND		1.0	0.50	ug/L			07/15/16 18:06	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			07/15/16 18:06	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/15/16 18:06	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/15/16 18:06	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/15/16 18:06	1
Vinyl acetate	ND		25	2.0	ug/L			07/15/16 18:06	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/15/16 18:06	1
Xylenes, Total	ND		10	1.6	ug/L			07/15/16 18:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*78 - 118*		*07/15/16 18:06*	*1*
Dibromofluoromethane	*101*		*81 - 121*		*07/15/16 18:06*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*07/15/16 18:06*	*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		07/15/16 14:44	07/20/16 14:28	1
Acenaphthylene	ND		0.20	0.020	ug/L		07/15/16 14:44	07/20/16 14:28	1
Anthracene	ND		0.20	0.020	ug/L		07/15/16 14:44	07/20/16 14:28	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/15/16 14:44	07/20/16 14:28	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		07/15/16 14:44	07/20/16 14:28	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		07/15/16 14:44	07/20/16 14:28	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		07/15/16 14:44	07/20/16 14:28	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/15/16 14:44	07/20/16 14:28	1
Chrysene	ND		0.20	0.040	ug/L		07/15/16 14:44	07/20/16 14:28	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		07/15/16 14:44	07/20/16 14:28	1
Fluoranthene	ND		0.20	0.020	ug/L		07/15/16 14:44	07/20/16 14:28	1
Fluorene	ND		0.20	0.021	ug/L		07/15/16 14:44	07/20/16 14:28	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		07/15/16 14:44	07/20/16 14:28	1
Phenanthrene	ND		0.20	0.020	ug/L		07/15/16 14:44	07/20/16 14:28	1
Pyrene	ND		0.20	0.020	ug/L		07/15/16 14:44	07/20/16 14:28	1
1-Methylnaphthalene	ND		0.20	0.020	ug/L		07/15/16 14:44	07/20/16 14:28	1
2-Methylnaphthalene	ND		0.20	0.020	ug/L		07/15/16 14:44	07/20/16 14:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*102*		*33 - 138*	*07/15/16 14:44*	*07/20/16 14:28*	*1*
2-Fluorobiphenyl	*63*		*15 - 122*	*07/15/16 14:44*	*07/20/16 14:28*	*1*

Client Sample ID: MW13-ROX-071116-EB

Date Collected: 07/11/16 09:45
Date Received: 07/12/16 10:18

Lab Sample ID: 400-124310-3

Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	60		19 - 130	07/15/16 14:44	07/20/16 14:28	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		07/15/16 14:44	07/22/16 12:20	1
Benzenethiol	ND	*	10	1.7	ug/L		07/15/16 14:44	07/22/16 12:20	1
Benzoic acid	ND		30	7.3	ug/L		07/15/16 14:44	07/22/16 12:20	1
Benzyl alcohol	ND		10	2.0	ug/L		07/15/16 14:44	07/22/16 12:20	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		07/15/16 14:44	07/22/16 12:20	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		07/15/16 14:44	07/22/16 12:20	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		07/15/16 14:44	07/22/16 12:20	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		07/15/16 14:44	07/22/16 12:20	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		07/15/16 14:44	07/22/16 12:20	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		07/15/16 14:44	07/22/16 12:20	1
4-Chloroaniline	ND		10	3.4	ug/L		07/15/16 14:44	07/22/16 12:20	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		07/15/16 14:44	07/22/16 12:20	1
2-Chloronaphthalene	ND		10	0.52	ug/L		07/15/16 14:44	07/22/16 12:20	1
2-Chlorophenol	ND		10	2.2	ug/L		07/15/16 14:44	07/22/16 12:20	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		07/15/16 14:44	07/22/16 12:20	1
Dibenz[a,h]acridine	ND	*	10	3.0	ug/L		07/15/16 14:44	07/22/16 12:20	1
Dibenzofuran	ND		10	0.52	ug/L		07/15/16 14:44	07/22/16 12:20	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		07/15/16 14:44	07/22/16 12:20	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		07/15/16 14:44	07/22/16 12:20	1
Diethyl phthalate	ND		10	0.70	ug/L		07/15/16 14:44	07/22/16 12:20	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		07/15/16 14:44	07/22/16 12:20	1
Dimethyl phthalate	ND		10	0.60	ug/L		07/15/16 14:44	07/22/16 12:20	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		07/15/16 14:44	07/22/16 12:20	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/15/16 14:44	07/22/16 12:20	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		07/15/16 14:44	07/22/16 12:20	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		07/15/16 14:44	07/22/16 12:20	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		07/15/16 14:44	07/22/16 12:20	1
Di-n-octyl phthalate	0.60	J	10	0.44	ug/L		07/15/16 14:44	07/22/16 12:20	1
1,4-Dioxane	ND		10	1.0	ug/L		07/15/16 14:44	07/22/16 12:20	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		07/15/16 14:44	07/22/16 12:20	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/15/16 14:44	07/22/16 12:20	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		07/15/16 14:44	07/22/16 12:20	1
Hexachloroethane	ND		10	4.2	ug/L		07/15/16 14:44	07/22/16 12:20	1
Indene	ND		10	1.0	ug/L		07/15/16 14:44	07/22/16 12:20	1
Isophorone	ND		10	0.57	ug/L		07/15/16 14:44	07/22/16 12:20	1
2-Methylphenol	ND		10	1.8	ug/L		07/15/16 14:44	07/22/16 12:20	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		07/15/16 14:44	07/22/16 12:20	1
2-Nitroaniline	ND		10	2.2	ug/L		07/15/16 14:44	07/22/16 12:20	1
3-Nitroaniline	ND		10	1.8	ug/L		07/15/16 14:44	07/22/16 12:20	1
4-Nitroaniline	ND		10	2.5	ug/L		07/15/16 14:44	07/22/16 12:20	1
Nitrobenzene	ND		10	0.55	ug/L		07/15/16 14:44	07/22/16 12:20	1
2-Nitrophenol	ND		10	0.65	ug/L		07/15/16 14:44	07/22/16 12:20	1
4-Nitrophenol	ND		10	2.1	ug/L		07/15/16 14:44	07/22/16 12:20	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		07/15/16 14:44	07/22/16 12:20	1

Client Sample ID: MW13-ROX-071116-EB

Date Collected: 07/11/16 09:45
Date Received: 07/12/16 10:18

Lab Sample ID: 400-124310-3

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		07/15/16 14:44	07/22/16 12:20	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		07/15/16 14:44	07/22/16 12:20	1
Pentachlorophenol	ND		20	1.8	ug/L		07/15/16 14:44	07/22/16 12:20	1
Phenol	ND		10	2.6	ug/L		07/15/16 14:44	07/22/16 12:20	1
Pyridine	ND	*	10	3.2	ug/L		07/15/16 14:44	07/22/16 12:20	1
Quinoline	ND		10	6.0	ug/L		07/15/16 14:44	07/22/16 12:20	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		07/15/16 14:44	07/22/16 12:20	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		07/15/16 14:44	07/22/16 12:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*59*		*34 - 120*	*07/15/16 14:44*	*07/22/16 12:20*	*1*
2-Fluorophenol	*51*		*10 - 120*	*07/15/16 14:44*	*07/22/16 12:20*	*1*
Nitrobenzene-d5	*65*		*27 - 120*	*07/15/16 14:44*	*07/22/16 12:20*	*1*
Phenol-d5	*58*		*10 - 120*	*07/15/16 14:44*	*07/22/16 12:20*	*1*
Terphenyl-d14	*72*		*53 - 125*	*07/15/16 14:44*	*07/22/16 12:20*	*1*
2,4,6-Tribromophenol	*64*		*15 - 135*	*07/15/16 14:44*	*07/22/16 12:20*	*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		0.029	0.0053	ug/L		07/16/16 11:14	07/18/16 16:17	1
1,2-Dibromoethane	ND		0.019	0.0048	ug/L		07/16/16 11:14	07/18/16 16:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*		*51 - 149*	*07/16/16 11:14*	*07/18/16 16:17*	*1*

Client Sample ID: MW13-ROX-071116

Date Collected: 07/11/16 10:30
Date Received: 07/12/16 10:18

Lab Sample ID: 400-124310-4

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			07/15/16 18:33	1
Acrolein	ND		20	10	ug/L			07/15/16 18:33	1
Acrylonitrile	ND		10	2.8	ug/L			07/15/16 18:33	1
Benzene	ND		1.0	0.38	ug/L			07/15/16 18:33	1
Bromobenzene	ND		1.0	0.54	ug/L			07/15/16 18:33	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/15/16 18:33	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/15/16 18:33	1
Bromoform	ND		5.0	0.71	ug/L			07/15/16 18:33	1
Bromomethane	ND		1.0	0.98	ug/L			07/15/16 18:33	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/15/16 18:33	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/15/16 18:33	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			07/15/16 18:33	1
Chlorobenzene	ND		1.0	0.50	ug/L			07/15/16 18:33	1
Dibromochloromethane	ND		1.0	0.50	ug/L			07/15/16 18:33	1
Chloroethane	ND		1.0	0.76	ug/L			07/15/16 18:33	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/15/16 18:33	1
Chloroform	ND		1.0	0.60	ug/L			07/15/16 18:33	1
1-Chlorohexane	ND		1.0	0.70	ug/L			07/15/16 18:33	1
Chloromethane	ND		1.0	0.83	ug/L			07/15/16 18:33	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/15/16 18:33	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/15/16 18:33	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/15/16 18:33	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/15/16 18:33	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/15/16 18:33	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/15/16 18:33	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/15/16 18:33	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			07/15/16 18:33	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/15/16 18:33	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/15/16 18:33	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/15/16 18:33	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/15/16 18:33	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			07/15/16 18:33	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/15/16 18:33	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/15/16 18:33	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/15/16 18:33	1
2-Hexanone	ND		25	3.1	ug/L			07/15/16 18:33	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/15/16 18:33	1
Methylene bromide	ND		5.0	0.59	ug/L			07/15/16 18:33	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/15/16 18:33	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/15/16 18:33	1
Methyl tert-butyl ether	**6.4**		1.0	0.74	ug/L			07/15/16 18:33	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			07/15/16 18:33	1
Naphthalene	ND		1.0	1.0	ug/L			07/15/16 18:33	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/15/16 18:33	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/15/16 18:33	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/15/16 18:33	1
o-Xylene	ND		5.0	0.60	ug/L			07/15/16 18:33	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/15/16 18:33	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/15/16 18:33	1

Client Sample ID: MW13-ROX-071116
Date Collected: 07/11/16 10:30
Date Received: 07/12/16 10:18

Lab Sample ID: 400-124310-4
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			07/15/16 18:33	1
Styrene	ND		1.0	1.0	ug/L			07/15/16 18:33	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/15/16 18:33	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			07/15/16 18:33	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/15/16 18:33	1
Tetrachloroethene	ND		1.0	0.58	ug/L			07/15/16 18:33	1
Toluene	ND		1.0	0.70	ug/L			07/15/16 18:33	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/15/16 18:33	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/15/16 18:33	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			07/15/16 18:33	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/15/16 18:33	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			07/15/16 18:33	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			07/15/16 18:33	1
Trichloroethene	ND		1.0	0.50	ug/L			07/15/16 18:33	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			07/15/16 18:33	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/15/16 18:33	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/15/16 18:33	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/15/16 18:33	1
Vinyl acetate	ND		25	2.0	ug/L			07/15/16 18:33	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/15/16 18:33	1
Xylenes, Total	ND		10	1.6	ug/L			07/15/16 18:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*78 - 118*		*07/15/16 18:33*	*1*
Dibromofluoromethane	*102*		*81 - 121*		*07/15/16 18:33*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*07/15/16 18:33*	*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		07/15/16 14:44	07/20/16 09:36	1
Acenaphthylene	ND		0.20	0.020	ug/L		07/15/16 14:44	07/20/16 09:36	1
Anthracene	ND		0.20	0.020	ug/L		07/15/16 14:44	07/20/16 09:36	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/15/16 14:44	07/20/16 09:36	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		07/15/16 14:44	07/20/16 09:36	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		07/15/16 14:44	07/20/16 09:36	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		07/15/16 14:44	07/20/16 09:36	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/15/16 14:44	07/20/16 09:36	1
Chrysene	ND		0.20	0.040	ug/L		07/15/16 14:44	07/20/16 09:36	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		07/15/16 14:44	07/20/16 09:36	1
Fluoranthene	ND		0.20	0.020	ug/L		07/15/16 14:44	07/20/16 09:36	1
Fluorene	ND		0.20	0.021	ug/L		07/15/16 14:44	07/20/16 09:36	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		07/15/16 14:44	07/20/16 09:36	1
Phenanthrene	ND		0.20	0.020	ug/L		07/15/16 14:44	07/20/16 09:36	1
Pyrene	ND		0.20	0.020	ug/L		07/15/16 14:44	07/20/16 09:36	1
1-Methylnaphthalene	ND		0.20	0.020	ug/L		07/15/16 14:44	07/20/16 09:36	1
2-Methylnaphthalene	ND		0.20	0.020	ug/L		07/15/16 14:44	07/20/16 09:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*65*		*33 - 138*	*07/15/16 14:44*	*07/20/16 09:36*	*1*
2-Fluorobiphenyl	*89*		*15 - 122*	*07/15/16 14:44*	*07/20/16 09:36*	*1*

Client Sample ID: MW13-ROX-071116
Date Collected: 07/11/16 10:30
Date Received: 07/12/16 10:18

Lab Sample ID: 400-124310-4
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	07/15/16 14:44	07/20/16 09:36	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		07/15/16 14:44	07/22/16 12:51	1
Benzenethiol	ND	* UJ	10	1.7	ug/L		07/15/16 14:44	07/22/16 12:51	1
Benzoic acid	ND		30	7.3	ug/L		07/15/16 14:44	07/22/16 12:51	1
Benzyl alcohol	ND		10	2.0	ug/L		07/15/16 14:44	07/22/16 12:51	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		07/15/16 14:44	07/22/16 12:51	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		07/15/16 14:44	07/22/16 12:51	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		07/15/16 14:44	07/22/16 12:51	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		07/15/16 14:44	07/22/16 12:51	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		07/15/16 14:44	07/22/16 12:51	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		07/15/16 14:44	07/22/16 12:51	1
4-Chloroaniline	ND		10	3.4	ug/L		07/15/16 14:44	07/22/16 12:51	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		07/15/16 14:44	07/22/16 12:51	1
2-Chloronaphthalene	ND		10	0.52	ug/L		07/15/16 14:44	07/22/16 12:51	1
2-Chlorophenol	ND		10	2.2	ug/L		07/15/16 14:44	07/22/16 12:51	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		07/15/16 14:44	07/22/16 12:51	1
Dibenz[a,h]acridine	ND	* UJ	10	3.0	ug/L		07/15/16 14:44	07/22/16 12:51	1
Dibenzofuran	ND		10	0.52	ug/L		07/15/16 14:44	07/22/16 12:51	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		07/15/16 14:44	07/22/16 12:51	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		07/15/16 14:44	07/22/16 12:51	1
Diethyl phthalate	ND		10	0.70	ug/L		07/15/16 14:44	07/22/16 12:51	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		07/15/16 14:44	07/22/16 12:51	1
Dimethyl phthalate	ND		10	0.60	ug/L		07/15/16 14:44	07/22/16 12:51	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		07/15/16 14:44	07/22/16 12:51	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/15/16 14:44	07/22/16 12:51	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		07/15/16 14:44	07/22/16 12:51	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		07/15/16 14:44	07/22/16 12:51	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		07/15/16 14:44	07/22/16 12:51	1
Di-n-octyl phthalate	ND		10	0.44	ug/L		07/15/16 14:44	07/22/16 12:51	1
1,4-Dioxane	ND		10	1.0	ug/L		07/15/16 14:44	07/22/16 12:51	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		07/15/16 14:44	07/22/16 12:51	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/15/16 14:44	07/22/16 12:51	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		07/15/16 14:44	07/22/16 12:51	1
Hexachloroethane	ND		10	4.2	ug/L		07/15/16 14:44	07/22/16 12:51	1
Indene	ND		10	1.0	ug/L		07/15/16 14:44	07/22/16 12:51	1
Isophorone	ND		10	0.57	ug/L		07/15/16 14:44	07/22/16 12:51	1
2-Methylphenol	ND		10	1.8	ug/L		07/15/16 14:44	07/22/16 12:51	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		07/15/16 14:44	07/22/16 12:51	1
2-Nitroaniline	ND		10	2.2	ug/L		07/15/16 14:44	07/22/16 12:51	1
3-Nitroaniline	ND		10	1.8	ug/L		07/15/16 14:44	07/22/16 12:51	1
4-Nitroaniline	ND		10	2.5	ug/L		07/15/16 14:44	07/22/16 12:51	1
Nitrobenzene	ND		10	0.55	ug/L		07/15/16 14:44	07/22/16 12:51	1
2-Nitrophenol	ND		10	0.65	ug/L		07/15/16 14:44	07/22/16 12:51	1
4-Nitrophenol	ND		10	2.1	ug/L		07/15/16 14:44	07/22/16 12:51	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		07/15/16 14:44	07/22/16 12:51	1

Client Sample ID: MW13-ROX-071116
Date Collected: 07/11/16 10:30
Date Received: 07/12/16 10:18

Lab Sample ID: 400-124310-4
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		07/15/16 14:44	07/22/16 12:51	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		07/15/16 14:44	07/22/16 12:51	1
Pentachlorophenol	ND		20	1.8	ug/L		07/15/16 14:44	07/22/16 12:51	1
Phenol	ND		10	2.6	ug/L		07/15/16 14:44	07/22/16 12:51	1
Pyridine	ND	* 4J	10	3.2	ug/L		07/15/16 14:44	07/22/16 12:51	1
Quinoline	ND		10	6.0	ug/L		07/15/16 14:44	07/22/16 12:51	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		07/15/16 14:44	07/22/16 12:51	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		07/15/16 14:44	07/22/16 12:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*62*		*34 - 120*	*07/15/16 14:44*	*07/22/16 12:51*	*1*
2-Fluorophenol	*40*		*10 - 120*	*07/15/16 14:44*	*07/22/16 12:51*	*1*
Nitrobenzene-d5	*49*		*27 - 120*	*07/15/16 14:44*	*07/22/16 12:51*	*1*
Phenol-d5	*50*		*10 - 120*	*07/15/16 14:44*	*07/22/16 12:51*	*1*
Terphenyl-d14	*39*	*X*	*53 - 125*	*07/15/16 14:44*	*07/22/16 12:51*	*1*
2,4,6-Tribromophenol	*61*		*15 - 135*	*07/15/16 14:44*	*07/22/16 12:51*	*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		07/16/16 11:14	07/18/16 16:47	1
1,2-Dibromoethane	ND		0.020	0.0049	ug/L		07/16/16 11:14	07/18/16 16:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*		*51 - 149*	*07/16/16 11:14*	*07/18/16 16:47*	*1*

Client Sample ID: MW14-ROX-071116

Date Collected: 07/11/16 13:10
Date Received: 07/12/16 10:18

Lab Sample ID: 400-124310-5

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			07/15/16 19:01	1
Acrolein	ND		20	10	ug/L			07/15/16 19:01	1
Acrylonitrile	ND		10	2.8	ug/L			07/15/16 19:01	1
Benzene	ND		1.0	0.38	ug/L			07/15/16 19:01	1
Bromobenzene	ND		1.0	0.54	ug/L			07/15/16 19:01	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/15/16 19:01	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/15/16 19:01	1
Bromoform	ND		5.0	0.71	ug/L			07/15/16 19:01	1
Bromomethane	ND		1.0	0.98	ug/L			07/15/16 19:01	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/15/16 19:01	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/15/16 19:01	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			07/15/16 19:01	1
Chlorobenzene	ND		1.0	0.50	ug/L			07/15/16 19:01	1
Dibromochloromethane	ND		1.0	0.50	ug/L			07/15/16 19:01	1
Chloroethane	ND		1.0	0.76	ug/L			07/15/16 19:01	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/15/16 19:01	1
Chloroform	ND		1.0	0.60	ug/L			07/15/16 19:01	1
1-Chlorohexane	ND		1.0	0.70	ug/L			07/15/16 19:01	1
Chloromethane	ND		1.0	0.83	ug/L			07/15/16 19:01	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/15/16 19:01	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/15/16 19:01	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/15/16 19:01	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/15/16 19:01	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/15/16 19:01	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/15/16 19:01	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/15/16 19:01	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			07/15/16 19:01	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/15/16 19:01	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/15/16 19:01	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/15/16 19:01	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/15/16 19:01	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			07/15/16 19:01	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/15/16 19:01	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/15/16 19:01	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/15/16 19:01	1
2-Hexanone	ND		25	3.1	ug/L			07/15/16 19:01	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/15/16 19:01	1
Methylene bromide	ND		5.0	0.59	ug/L			07/15/16 19:01	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/15/16 19:01	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/15/16 19:01	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			07/15/16 19:01	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			07/15/16 19:01	1
Naphthalene	ND		1.0	1.0	ug/L			07/15/16 19:01	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/15/16 19:01	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/15/16 19:01	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/15/16 19:01	1
o-Xylene	ND		5.0	0.60	ug/L			07/15/16 19:01	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/15/16 19:01	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/15/16 19:01	1

Client Sample ID: MW14-ROX-071116

Lab Sample ID: 400-124310-5

Date Collected: 07/11/16 13:10
Date Received: 07/12/16 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			07/15/16 19:01	1
Styrene	ND		1.0	1.0	ug/L			07/15/16 19:01	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/15/16 19:01	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			07/15/16 19:01	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/15/16 19:01	1
Tetrachloroethene	ND		1.0	0.58	ug/L			07/15/16 19:01	1
Toluene	ND		1.0	0.70	ug/L			07/15/16 19:01	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/15/16 19:01	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/15/16 19:01	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			07/15/16 19:01	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/15/16 19:01	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			07/15/16 19:01	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			07/15/16 19:01	1
Trichloroethene	ND		1.0	0.50	ug/L			07/15/16 19:01	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			07/15/16 19:01	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/15/16 19:01	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/15/16 19:01	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/15/16 19:01	1
Vinyl acetate	ND		25	2.0	ug/L			07/15/16 19:01	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/15/16 19:01	1
Xylenes, Total	ND		10	1.6	ug/L			07/15/16 19:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*78 - 118*		*07/15/16 19:01*	*1*
Dibromofluoromethane	*101*		*81 - 121*		*07/15/16 19:01*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*07/15/16 19:01*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.059**	**J**	0.20	0.020	ug/L		07/15/16 14:44	07/20/16 09:59	1
Acenaphthylene	**0.020**	**J**	0.20	0.020	ug/L		07/15/16 14:44	07/20/16 09:59	1
Anthracene	ND		0.20	0.020	ug/L		07/15/16 14:44	07/20/16 09:59	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/15/16 14:44	07/20/16 09:59	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		07/15/16 14:44	07/20/16 09:59	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		07/15/16 14:44	07/20/16 09:59	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		07/15/16 14:44	07/20/16 09:59	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/15/16 14:44	07/20/16 09:59	1
Chrysene	ND		0.20	0.040	ug/L		07/15/16 14:44	07/20/16 09:59	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		07/15/16 14:44	07/20/16 09:59	1
Fluoranthene	ND		0.20	0.020	ug/L		07/15/16 14:44	07/20/16 09:59	1
Fluorene	**0.029**	**J**	0.20	0.021	ug/L		07/15/16 14:44	07/20/16 09:59	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		07/15/16 14:44	07/20/16 09:59	1
Phenanthrene	ND		0.20	0.020	ug/L		07/15/16 14:44	07/20/16 09:59	1
Pyrene	ND		0.20	0.020	ug/L		07/15/16 14:44	07/20/16 09:59	1
1-Methylnaphthalene	**0.057**	**J**	0.20	0.020	ug/L		07/15/16 14:44	07/20/16 09:59	1
2-Methylnaphthalene	ND		0.20	0.020	ug/L		07/15/16 14:44	07/20/16 09:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*58*		*33 - 138*	*07/15/16 14:44*	*07/20/16 09:59*	*1*
2-Fluorobiphenyl	*82*		*15 - 122*	*07/15/16 14:44*	*07/20/16 09:59*	*1*

Client Sample ID: MW14-ROX-071116

Date Collected: 07/11/16 13:10
Date Received: 07/12/16 10:18

Lab Sample ID: 400-124310-5

Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*83*		*19 - 130*	*07/15/16 14:44*	*07/20/16 09:59*	*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		07/15/16 14:44	07/22/16 13:22	1
Benzenethiol	ND	* UJ	10	1.7	ug/L		07/15/16 14:44	07/22/16 13:22	1
Benzoic acid	ND		30	7.3	ug/L		07/15/16 14:44	07/22/16 13:22	1
Benzyl alcohol	ND		10	2.0	ug/L		07/15/16 14:44	07/22/16 13:22	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		07/15/16 14:44	07/22/16 13:22	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		07/15/16 14:44	07/22/16 13:22	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		07/15/16 14:44	07/22/16 13:22	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		07/15/16 14:44	07/22/16 13:22	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		07/15/16 14:44	07/22/16 13:22	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		07/15/16 14:44	07/22/16 13:22	1
4-Chloroaniline	ND		10	3.4	ug/L		07/15/16 14:44	07/22/16 13:22	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		07/15/16 14:44	07/22/16 13:22	1
2-Chloronaphthalene	ND		10	0.52	ug/L		07/15/16 14:44	07/22/16 13:22	1
2-Chlorophenol	ND		10	2.2	ug/L		07/15/16 14:44	07/22/16 13:22	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		07/15/16 14:44	07/22/16 13:22	1
Dibenz[a,h]acridine	ND	* UJ	10	3.0	ug/L		07/15/16 14:44	07/22/16 13:22	1
Dibenzofuran	ND		10	0.52	ug/L		07/15/16 14:44	07/22/16 13:22	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		07/15/16 14:44	07/22/16 13:22	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		07/15/16 14:44	07/22/16 13:22	1
Diethyl phthalate	ND		10	0.70	ug/L		07/15/16 14:44	07/22/16 13:22	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		07/15/16 14:44	07/22/16 13:22	1
Dimethyl phthalate	ND		10	0.60	ug/L		07/15/16 14:44	07/22/16 13:22	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		07/15/16 14:44	07/22/16 13:22	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/15/16 14:44	07/22/16 13:22	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		07/15/16 14:44	07/22/16 13:22	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		07/15/16 14:44	07/22/16 13:22	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		07/15/16 14:44	07/22/16 13:22	1
Di-n-octyl phthalate	**0.54**	**J** J	10	0.44	ug/L		07/15/16 14:44	07/22/16 13:22	1
1,4-Dioxane	ND		10	1.0	ug/L		07/15/16 14:44	07/22/16 13:22	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		07/15/16 14:44	07/22/16 13:22	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/15/16 14:44	07/22/16 13:22	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		07/15/16 14:44	07/22/16 13:22	1
Hexachloroethane	ND		10	4.2	ug/L		07/15/16 14:44	07/22/16 13:22	1
Indene	ND		10	1.0	ug/L		07/15/16 14:44	07/22/16 13:22	1
Isophorone	ND		10	0.57	ug/L		07/15/16 14:44	07/22/16 13:22	1
2-Methylphenol	ND		10	1.8	ug/L		07/15/16 14:44	07/22/16 13:22	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		07/15/16 14:44	07/22/16 13:22	1
2-Nitroaniline	ND		10	2.2	ug/L		07/15/16 14:44	07/22/16 13:22	1
3-Nitroaniline	ND		10	1.8	ug/L		07/15/16 14:44	07/22/16 13:22	1
4-Nitroaniline	ND		10	2.5	ug/L		07/15/16 14:44	07/22/16 13:22	1
Nitrobenzene	ND		10	0.55	ug/L		07/15/16 14:44	07/22/16 13:22	1
2-Nitrophenol	ND		10	0.65	ug/L		07/15/16 14:44	07/22/16 13:22	1
4-Nitrophenol	ND		10	2.1	ug/L		07/15/16 14:44	07/22/16 13:22	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		07/15/16 14:44	07/22/16 13:22	1

Client Sample ID: MW14-ROX-071116
Date Collected: 07/11/16 13:10
Date Received: 07/12/16 10:18

Lab Sample ID: 400-124310-5
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		07/15/16 14:44	07/22/16 13:22	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		07/15/16 14:44	07/22/16 13:22	1
Pentachlorophenol	ND		20	1.8	ug/L		07/15/16 14:44	07/22/16 13:22	1
Phenol	ND		10	2.6	ug/L		07/15/16 14:44	07/22/16 13:22	1
Pyridine	ND	* UJ	10	3.2	ug/L		07/15/16 14:44	07/22/16 13:22	1
Quinoline	ND		10	6.0	ug/L		07/15/16 14:44	07/22/16 13:22	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		07/15/16 14:44	07/22/16 13:22	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		07/15/16 14:44	07/22/16 13:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*56*		*34 - 120*	*07/15/16 14:44*	*07/22/16 13:22*	*1*
2-Fluorophenol	*55*		*10 - 120*	*07/15/16 14:44*	*07/22/16 13:22*	*1*
Nitrobenzene-d5	*61*		*27 - 120*	*07/15/16 14:44*	*07/22/16 13:22*	*1*
Phenol-d5	*59*		*10 - 120*	*07/15/16 14:44*	*07/22/16 13:22*	*1*
Terphenyl-d14	*37*	*X*	*53 - 125*	*07/15/16 14:44*	*07/22/16 13:22*	*1*
2,4,6-Tribromophenol	*66*		*15 - 135*	*07/15/16 14:44*	*07/22/16 13:22*	*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		07/16/16 11:14	07/18/16 17:17	1
1,2-Dibromoethane	ND		0.020	0.0049	ug/L		07/16/16 11:14	07/18/16 17:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*51 - 149*	*07/16/16 11:14*	*07/18/16 17:17*	*1*

Client Sample ID: P66-ROX-071116

Date Collected: 07/11/16 14:10
Date Received: 07/12/16 10:18

Lab Sample ID: 400-124310-6

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			07/15/16 19:28	1
Acrolein	ND		20	10	ug/L			07/15/16 19:28	1
Acrylonitrile	ND		10	2.8	ug/L			07/15/16 19:28	1
Benzene	**3.7**		1.0	0.38	ug/L			07/15/16 19:28	1
Bromobenzene	ND		1.0	0.54	ug/L			07/15/16 19:28	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/15/16 19:28	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/15/16 19:28	1
Bromoform	ND		5.0	0.71	ug/L			07/15/16 19:28	1
Bromomethane	ND		1.0	0.98	ug/L			07/15/16 19:28	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/15/16 19:28	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/15/16 19:28	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			07/15/16 19:28	1
Chlorobenzene	**0.54**	**J**	1.0	0.50	ug/L			07/15/16 19:28	1
Dibromochloromethane	ND		1.0	0.50	ug/L			07/15/16 19:28	1
Chloroethane	ND		1.0	0.76	ug/L			07/15/16 19:28	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/15/16 19:28	1
Chloroform	ND		1.0	0.60	ug/L			07/15/16 19:28	1
1-Chlorohexane	ND		1.0	0.70	ug/L			07/15/16 19:28	1
Chloromethane	ND		1.0	0.83	ug/L			07/15/16 19:28	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/15/16 19:28	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/15/16 19:28	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/15/16 19:28	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/15/16 19:28	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/15/16 19:28	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/15/16 19:28	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/15/16 19:28	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			07/15/16 19:28	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/15/16 19:28	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/15/16 19:28	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/15/16 19:28	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/15/16 19:28	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			07/15/16 19:28	1
Ethylbenzene	**7.5**		1.0	0.50	ug/L			07/15/16 19:28	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/15/16 19:28	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/15/16 19:28	1
2-Hexanone	ND		25	3.1	ug/L			07/15/16 19:28	1
Isopropylbenzene	**83**		1.0	0.53	ug/L			07/15/16 19:28	1
Methylene bromide	ND		5.0	0.59	ug/L			07/15/16 19:28	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/15/16 19:28	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/15/16 19:28	1
Methyl tert-butyl ether	**17**		1.0	0.74	ug/L			07/15/16 19:28	1
m-Xylene & p-Xylene	**3.2**	**J**	5.0	1.6	ug/L			07/15/16 19:28	1
Naphthalene	**26**		1.0	1.0	ug/L			07/15/16 19:28	1
n-Butylbenzene	**7.1**		1.0	0.76	ug/L			07/15/16 19:28	1
N-Propylbenzene	**100**		1.0	0.69	ug/L			07/15/16 19:28	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/15/16 19:28	1
o-Xylene	**1.0**	**J**	5.0	0.60	ug/L			07/15/16 19:28	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/15/16 19:28	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/15/16 19:28	1

Client Sample ID: P66-ROX-071116

Date Collected: 07/11/16 14:10
Date Received: 07/12/16 10:18

Lab Sample ID: 400-124310-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	**12**		1.0	0.70	ug/L			07/15/16 19:28	1
Styrene	ND		1.0	1.0	ug/L			07/15/16 19:28	1
tert-Butylbenzene	**2.8**		1.0	0.63	ug/L			07/15/16 19:28	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			07/15/16 19:28	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/15/16 19:28	1
Tetrachloroethene	ND		1.0	0.58	ug/L			07/15/16 19:28	1
Toluene	ND		1.0	0.70	ug/L			07/15/16 19:28	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/15/16 19:28	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/15/16 19:28	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			07/15/16 19:28	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/15/16 19:28	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			07/15/16 19:28	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			07/15/16 19:28	1
Trichloroethene	ND		1.0	0.50	ug/L			07/15/16 19:28	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			07/15/16 19:28	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/15/16 19:28	1
1,2,4-Trimethylbenzene	**6.0**		1.0	0.82	ug/L			07/15/16 19:28	1
1,3,5-Trimethylbenzene	**0.82**	J	1.0	0.56	ug/L			07/15/16 19:28	1
Vinyl acetate	ND		25	2.0	ug/L			07/15/16 19:28	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/15/16 19:28	1
Xylenes, Total	**4.2**	J	10	1.6	ug/L			07/15/16 19:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*78 - 118*		*07/15/16 19:28*	*1*
Dibromofluoromethane	*104*		*81 - 121*		*07/15/16 19:28*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*07/15/16 19:28*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.60**	J	1.0	0.10	ug/L		07/15/16 14:44	07/20/16 22:35	5
Acenaphthylene	**0.28**	J	1.0	0.10	ug/L		07/15/16 14:44	07/20/16 22:35	5
Anthracene	ND		1.0	0.10	ug/L		07/15/16 14:44	07/20/16 22:35	5
Benzo[a]anthracene	ND		1.0	0.20	ug/L		07/15/16 14:44	07/20/16 22:35	5
Benzo[a]pyrene	ND		1.0	0.20	ug/L		07/15/16 14:44	07/20/16 22:35	5
Benzo[b]fluoranthene	ND		1.0	0.20	ug/L		07/15/16 14:44	07/20/16 22:35	5
Benzo[g,h,i]perylene	ND		1.0	0.20	ug/L		07/15/16 14:44	07/20/16 22:35	5
Benzo[k]fluoranthene	ND		1.0	0.20	ug/L		07/15/16 14:44	07/20/16 22:35	5
Chrysene	ND		1.0	0.20	ug/L		07/15/16 14:44	07/20/16 22:35	5
Dibenz(a,h)anthracene	ND		1.0	0.20	ug/L		07/15/16 14:44	07/20/16 22:35	5
Fluoranthene	ND		1.0	0.10	ug/L		07/15/16 14:44	07/20/16 22:35	5
Fluorene	**0.91**	J	1.0	0.11	ug/L		07/15/16 14:44	07/20/16 22:35	5
Indeno[1,2,3-cd]pyrene	ND		1.0	0.20	ug/L		07/15/16 14:44	07/20/16 22:35	5
Phenanthrene	**0.54**	J	1.0	0.10	ug/L		07/15/16 14:44	07/20/16 22:35	5
Pyrene	ND		1.0	0.10	ug/L		07/15/16 14:44	07/20/16 22:35	5
1-Methylnaphthalene	**62**		1.0	0.10	ug/L		07/15/16 14:44	07/20/16 22:35	5
2-Methylnaphthalene	**13**		1.0	0.10	ug/L		07/15/16 14:44	07/20/16 22:35	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*27*	*X*	*33 - 138*	*07/15/16 14:44*	*07/20/16 22:35*	*5*
2-Fluorobiphenyl	*58*		*15 - 122*	*07/15/16 14:44*	*07/20/16 22:35*	*5*

Client Sample ID: P66-ROX-071116

Date Collected: 07/11/16 14:10
Date Received: 07/12/16 10:18

Lab Sample ID: 400-124310-6

Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*83*		*19 - 130*	*07/15/16 14:44*	*07/20/16 22:35*	*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		07/15/16 14:44	07/22/16 13:52	1
Benzenethiol	ND	* UJ	10	1.7	ug/L		07/15/16 14:44	07/22/16 13:52	1
Benzoic acid	ND		30	7.3	ug/L		07/15/16 14:44	07/22/16 13:52	1
Benzyl alcohol	ND		10	2.0	ug/L		07/15/16 14:44	07/22/16 13:52	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		07/15/16 14:44	07/22/16 13:52	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		07/15/16 14:44	07/22/16 13:52	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		07/15/16 14:44	07/22/16 13:52	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		07/15/16 14:44	07/22/16 13:52	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		07/15/16 14:44	07/22/16 13:52	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		07/15/16 14:44	07/22/16 13:52	1
4-Chloroaniline	ND		10	3.4	ug/L		07/15/16 14:44	07/22/16 13:52	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		07/15/16 14:44	07/22/16 13:52	1
2-Chloronaphthalene	ND		10	0.52	ug/L		07/15/16 14:44	07/22/16 13:52	1
2-Chlorophenol	ND		10	2.2	ug/L		07/15/16 14:44	07/22/16 13:52	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		07/15/16 14:44	07/22/16 13:52	1
Dibenz[a,h]acridine	ND	* UJ	10	3.0	ug/L		07/15/16 14:44	07/22/16 13:52	1
Dibenzofuran	ND		10	0.52	ug/L		07/15/16 14:44	07/22/16 13:52	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		07/15/16 14:44	07/22/16 13:52	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		07/15/16 14:44	07/22/16 13:52	1
Diethyl phthalate	**1.9**	**J**	10	0.70	ug/L		07/15/16 14:44	07/22/16 13:52	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		07/15/16 14:44	07/22/16 13:52	1
Dimethyl phthalate	ND		10	0.60	ug/L		07/15/16 14:44	07/22/16 13:52	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		07/15/16 14:44	07/22/16 13:52	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/15/16 14:44	07/22/16 13:52	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		07/15/16 14:44	07/22/16 13:52	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		07/15/16 14:44	07/22/16 13:52	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		07/15/16 14:44	07/22/16 13:52	1
Di-n-octyl phthalate	ND		10	0.44	ug/L		07/15/16 14:44	07/22/16 13:52	1
1,4-Dioxane	ND		10	1.0	ug/L		07/15/16 14:44	07/22/16 13:52	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		07/15/16 14:44	07/22/16 13:52	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/15/16 14:44	07/22/16 13:52	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		07/15/16 14:44	07/22/16 13:52	1
Hexachloroethane	ND		10	4.2	ug/L		07/15/16 14:44	07/22/16 13:52	1
Indene	ND		10	1.0	ug/L		07/15/16 14:44	07/22/16 13:52	1
Isophorone	ND		10	0.57	ug/L		07/15/16 14:44	07/22/16 13:52	1
2-Methylphenol	ND		10	1.8	ug/L		07/15/16 14:44	07/22/16 13:52	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		07/15/16 14:44	07/22/16 13:52	1
2-Nitroaniline	ND		10	2.2	ug/L		07/15/16 14:44	07/22/16 13:52	1
3-Nitroaniline	ND		10	1.8	ug/L		07/15/16 14:44	07/22/16 13:52	1
4-Nitroaniline	ND		10	2.5	ug/L		07/15/16 14:44	07/22/16 13:52	1
Nitrobenzene	ND		10	0.55	ug/L		07/15/16 14:44	07/22/16 13:52	1
2-Nitrophenol	ND		10	0.65	ug/L		07/15/16 14:44	07/22/16 13:52	1
4-Nitrophenol	ND		10	2.1	ug/L		07/15/16 14:44	07/22/16 13:52	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		07/15/16 14:44	07/22/16 13:52	1

Client Sample ID: P66-ROX-071116
Date Collected: 07/11/16 14:10
Date Received: 07/12/16 10:18

Lab Sample ID: 400-124310-6
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		07/15/16 14:44	07/22/16 13:52	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		07/15/16 14:44	07/22/16 13:52	1
Pentachlorophenol	ND		20	1.8	ug/L		07/15/16 14:44	07/22/16 13:52	1
Phenol	ND		10	2.6	ug/L		07/15/16 14:44	07/22/16 13:52	1
Pyridine	ND	* UJ	10	3.2	ug/L		07/15/16 14:44	07/22/16 13:52	1
Quinoline	ND		10	6.0	ug/L		07/15/16 14:44	07/22/16 13:52	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		07/15/16 14:44	07/22/16 13:52	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		07/15/16 14:44	07/22/16 13:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*59*		*34 - 120*	*07/15/16 14:44*	*07/22/16 13:52*	*1*
2-Fluorophenol	*60*		*10 - 120*	*07/15/16 14:44*	*07/22/16 13:52*	*1*
Nitrobenzene-d5	*62*		*27 - 120*	*07/15/16 14:44*	*07/22/16 13:52*	*1*
Phenol-d5	*65*		*10 - 120*	*07/15/16 14:44*	*07/22/16 13:52*	*1*
Terphenyl-d14	*30*	*X*	*53 - 125*	*07/15/16 14:44*	*07/22/16 13:52*	*1*
2,4,6-Tribromophenol	*89*		*15 - 135*	*07/15/16 14:44*	*07/22/16 13:52*	*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		0.029	0.0053	ug/L		07/16/16 11:14	07/20/16 17:34	1
1,2-Dibromoethane	ND		0.019	0.0048	ug/L		07/16/16 11:14	07/20/16 17:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*51 - 149*	*07/16/16 11:14*	*07/20/16 17:34*	*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
*	RPD of the LCS and LCSD exceeds the control limits
*	LCS or LCSD is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits
F1	MS and/or MSD Recovery is outside acceptance limits.

GC Semi VOA

Qualifier	Qualifier Description
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 - 3Q16

TestAmerica Job ID: 400-124310-1
SDG: 60477387 - 1.03.0033

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)
400-124305-C-3 MS	Matrix Spike	101	103	100
400-124305-C-3 MSD	Matrix Spike Duplicate	100	104	100
400-124310-2	TB-ROX-071116W-8260	101	101	100
400-124310-3	MW13-ROX-071116-EB	102	101	100
400-124310-4	MW13-ROX-071116	101	102	100
400-124310-5	MW14-ROX-071116	101	101	100
400-124310-6	P66-ROX-071116	102	104	100
LCS 400-314441/1002	Lab Control Sample	99	104	99
MB 400-314441/25	Method Blank	100	101	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)	(15-135)
400-124310-3	MW13-ROX-071116-EB	59	51	65	58	72	64
400-124310-4	MW13-ROX-071116	62	40	49	50	39 X	61
400-124310-5	MW14-ROX-071116	56	55	61	59	37 X	66
400-124310-6	P66-ROX-071116	59	60	62	65	30 X	89
400-124395-A-4-A MS	Matrix Spike	64	59	60	63	65	95
400-124395-A-4-B MSD	Matrix Spike Duplicate	59	53	56	56	56	84
LCS 400-314434/2-A	Lab Control Sample	59	59	71	66	75	91
LCS 400-314434/4-A	Lab Control Sample	57	49	56	53	70	79
LCSD 400-314434/3-A	Lab Control Sample Dup	69	66	65	70	78	99
LCSD 400-314434/5-A	Lab Control Sample Dup	72	53	58	57	73	83
MB 400-314434/1-A	Method Blank	61	52	61	57	70	71

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)
400-124310-3	MW13-ROX-071116-EB	102	63	60
400-124310-4	MW13-ROX-071116	65	89	72
400-124310-5	MW14-ROX-071116	58	82	83

Surrogate Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 3Q16

TestAmerica Job ID: 400-124310-1
SDG: 60477387 - 1.03.0033

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)
400-124310-6	P66-ROX-071116	27 X	58	83
400-124395-A-4-A MS	Matrix Spike	57	61	59
400-124395-A-4-B MSD	Matrix Spike Duplicate	54	61	60
LCS 400-314434/2-A	Lab Control Sample	81	75	63
LCSD 400-314434/3-A	Lab Control Sample Dup	83	80	66
MB 400-314434/1-A	Method Blank	104	65	67

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)
400-124310-1	TB-ROX-071116W-8011	119
400-124310-3	MW13-ROX-071116-EB	88
400-124310-4	MW13-ROX-071116	104
400-124310-5	MW14-ROX-071116	99
400-124395-E-4-A MS	Matrix Spike	80
400-124395-E-4-B MSD	Matrix Spike Duplicate	93
LCS 400-314557/2-A	Lab Control Sample	105
MB 400-314557/1-A	Method Blank	91

Surrogate Legend

BFB = 4-Bromofluorobenzene

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)
400-124310-6	P66-ROX-071116	101

Surrogate Legend

BFB = 4-Bromofluorobenzene

Method Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 3Q16

TestAmerica Job ID: 400-124310-1
SDG: 60477387 - 1.03.0033

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 - 3Q16

TestAmerica Job ID: 400-124310-1
SDG: 60477387 - 1.03.0033

Client Sample ID: TB-ROX-071116W-8011

Lab Sample ID: 400-124310-1
Matrix: Water

Date Collected: 07/11/16 00:00
Date Received: 07/12/16 10:18

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	314557	07/16/16 11:14	AM	TAL PEN
Total/NA	Analysis	8011		1			314704	07/18/16 15:47	AM	TAL PEN

Client Sample ID: TB-ROX-071116W-8260

Lab Sample ID: 400-124310-2
Matrix: Water

Date Collected: 07/11/16 00:00
Date Received: 07/12/16 10:18

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	314441	07/15/16 17:39	CAR	TAL PEN

Client Sample ID: MW13-ROX-071116-EB

Lab Sample ID: 400-124310-3
Matrix: Water

Date Collected: 07/11/16 09:45
Date Received: 07/12/16 10:18

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	314441	07/15/16 18:06	CAR	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314434	07/15/16 14:44	RMC	TAL PEN
Total/NA	Analysis	8270D		1			315342	07/22/16 12:20	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314434	07/15/16 14:44	RMC	TAL PEN
Total/NA	Analysis	8270D LL		1			314990	07/20/16 14:28	VC1	TAL PEN
Total/NA	Prep	8011			36.5 mL	35 mL	314557	07/16/16 11:14	AM	TAL PEN
Total/NA	Analysis	8011		1			314704	07/18/16 16:17	AM	TAL PEN

Client Sample ID: MW13-ROX-071116

Lab Sample ID: 400-124310-4
Matrix: Water

Date Collected: 07/11/16 10:30
Date Received: 07/12/16 10:18

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	314441	07/15/16 18:33	CAR	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314434	07/15/16 14:44	RMC	TAL PEN
Total/NA	Analysis	8270D		1			315342	07/22/16 12:51	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314434	07/15/16 14:44	RMC	TAL PEN
Total/NA	Analysis	8270D LL		1			314962	07/20/16 09:36	VC1	TAL PEN
Total/NA	Prep	8011			35.7 mL	35 mL	314557	07/16/16 11:14	AM	TAL PEN
Total/NA	Analysis	8011		1			314704	07/18/16 16:47	AM	TAL PEN

Client Sample ID: MW14-ROX-071116

Lab Sample ID: 400-124310-5
Matrix: Water

Date Collected: 07/11/16 13:10
Date Received: 07/12/16 10:18

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	314441	07/15/16 19:01	CAR	TAL PEN

Client Sample ID: MW14-ROX-071116

Lab Sample ID: 400-124310-5
Matrix: Water

Date Collected: 07/11/16 13:10
Date Received: 07/12/16 10:18

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	314434	07/15/16 14:44	RMC	TAL PEN
Total/NA	Analysis	8270D		1			315342	07/22/16 13:22	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314434	07/15/16 14:44	RMC	TAL PEN
Total/NA	Analysis	8270D LL		1			314962	07/20/16 09:59	VC1	TAL PEN
Total/NA	Prep	8011			35.6 mL	35 mL	314557	07/16/16 11:14	AM	TAL PEN
Total/NA	Analysis	8011		1			314704	07/18/16 17:17	AM	TAL PEN

Client Sample ID: P66-ROX-071116

Lab Sample ID: 400-124310-6
Matrix: Water

Date Collected: 07/11/16 14:10
Date Received: 07/12/16 10:18

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	314441	07/15/16 19:28	CAR	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314434	07/15/16 14:44	RMC	TAL PEN
Total/NA	Analysis	8270D		1			315342	07/22/16 13:52	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314434	07/15/16 14:44	RMC	TAL PEN
Total/NA	Analysis	8270D LL		5			314994	07/20/16 22:35	VC1	TAL PEN
Total/NA	Prep	8011			36.3 mL	35 mL	314557	07/16/16 11:14	AM	TAL PEN
Total/NA	Analysis	8011		1			315089	07/20/16 17:34	AM	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-314434/1-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	314434	07/15/16 09:43	RMC	TAL PEN
Total/NA	Analysis	8270D		1			314976	07/20/16 13:58	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314434	07/15/16 09:43	RMC	TAL PEN
Total/NA	Analysis	8270D LL		1			314990	07/20/16 05:56	VC1	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-314441/25
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	314441	07/15/16 12:03	CAR	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-314557/1-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	314557	07/16/16 11:14	AM	TAL PEN

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

Lab Sample ID: MB 400-314557/1-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	Analysis	8011		1			314704	07/18/16 09:48	AM	TAL PEN

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

Lab Sample ID: LCS 400-314434/2-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	314434	07/15/16 09:43	RMC	TAL PEN
Total/NA	Analysis	8270D		1			314976	07/20/16 14:31	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314434	07/15/16 09:43	RMC	TAL PEN
Total/NA	Analysis	8270D LL		5			314990	07/20/16 06:22	VC1	TAL PEN

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

Lab Sample ID: LCS 400-314434/4-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	314434	07/15/16 09:43	RMC	TAL PEN
Total/NA	Analysis	8270D		1			314976	07/20/16 15:38	MAM	TAL PEN

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

Lab Sample ID: LCS 400-314441/1002
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	314441	07/15/16 10:55	CAR	TAL PEN

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

Lab Sample ID: LCS 400-314557/2-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	314557	07/16/16 11:14	AM	TAL PEN
Total/NA	Analysis	8011		1			314704	07/18/16 10:18	AM	TAL PEN

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

Lab Sample ID: LCSD 400-314434/3-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	314434	07/15/16 09:43	RMC	TAL PEN
Total/NA	Analysis	8270D		1			314976	07/20/16 15:05	MAM	TAL PEN

Lab Chronicle

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 3Q16

TestAmerica Job ID: 400-124310-1
SDG: 60477387 - 1.03.0033

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

Lab Sample ID: LCSD 400-314434/3-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	314434	07/15/16 09:43	RMC	TAL PEN
Total/NA	Analysis	8270D LL		5			314990	07/20/16 06:47	VC1	TAL PEN

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

Lab Sample ID: LCSD 400-314434/5-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	314434	07/15/16 09:43	RMC	TAL PEN
Total/NA	Analysis	8270D		1			314976	07/20/16 16:12	MAM	TAL PEN

Client Sample ID: Matrix Spike
Date Collected: 07/11/16 09:20
Date Received: 07/12/16 10:18

Lab Sample ID: 400-124305-C-3 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	314441	07/15/16 13:33	CAR	TAL PEN

Client Sample ID: Matrix Spike Duplicate
Date Collected: 07/11/16 09:20
Date Received: 07/12/16 10:18

Lab Sample ID: 400-124305-C-3 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	314441	07/15/16 14:00	CAR	TAL PEN

Client Sample ID: Matrix Spike
Date Collected: 07/12/16 10:00
Date Received: 07/13/16 08:29

Lab Sample ID: 400-124395-A-4-A 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	Prep	3520C			1000 mL	1 mL	314434	07/15/16 09:43	RMC	TAL PEN
Total/NA	Analysis	8270D		1			314976	07/20/16 16:45	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314434	07/15/16 09:43	RMC	TAL PEN
Total/NA	Analysis	8270D LL		5			314990	07/20/16 07:12	VC1	TAL PEN

Client Sample ID: Matrix Spike Duplicate
Date Collected: 07/12/16 10:00
Date Received: 07/13/16 08:29

Lab Sample ID: 400-124395-A-4-B 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	Prep	3520C			1000 mL	1 mL	314434	07/15/16 09:43	RMC	TAL PEN
Total/NA	Analysis	8270D		1			314976	07/20/16 17:19	MAM	TAL PEN

Client Sample ID: Matrix Spike Duplicate

Lab Sample ID: 400-124395-A-4-B MSD

Date Collected: 07/12/16 10:00
Date Received: 07/13/16 08:29

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	314434	07/15/16 09:43	RMC	TAL PEN
Total/NA	Analysis	8270D LL		5			314990	07/20/16 07:38	VC1	TAL PEN

Client Sample ID: Matrix Spike

Lab Sample ID: 400-124395-E-4-A MS

Date Collected: 07/12/16 10:00
Date Received: 07/13/16 08:29

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			34.3 mL	35 mL	314557	07/16/16 11:14	AM	TAL PEN
Total/NA	Analysis	8011		1			314704	07/18/16 19:47	AM	TAL PEN

Client Sample ID: Matrix Spike Duplicate

Lab Sample ID: 400-124395-E-4-B MSD

Date Collected: 07/12/16 10:00
Date Received: 07/13/16 08:29

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			35.5 mL	35 mL	314557	07/16/16 11:14	AM	TAL PEN
Total/NA	Analysis	8011		1			314704	07/18/16 20:46	AM	TAL PEN

Laboratory References:

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

GC/MS VOA

Analysis Batch: 314441

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124310-2	TB-ROX-071116W-8260	Total/NA	Water	8260B	
400-124310-3	MW13-ROX-071116-EB	Total/NA	Water	8260B	
400-124310-4	MW13-ROX-071116	Total/NA	Water	8260B	
400-124310-5	MW14-ROX-071116	Total/NA	Water	8260B	
400-124310-6	P66-ROX-071116	Total/NA	Water	8260B	
MB 400-314441/25	Method Blank	Total/NA	Water	8260B	
LCS 400-314441/1002	Lab Control Sample	Total/NA	Water	8260B	
400-124305-C-3 MS	Matrix Spike	Total/NA	Water	8260B	
400-124305-C-3 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 314434

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124310-3	MW13-ROX-071116-EB	Total/NA	Water	3520C	
400-124310-4	MW13-ROX-071116	Total/NA	Water	3520C	
400-124310-5	MW14-ROX-071116	Total/NA	Water	3520C	
400-124310-6	P66-ROX-071116	Total/NA	Water	3520C	
MB 400-314434/1-A	Method Blank	Total/NA	Water	3520C	
LCS 400-314434/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCS 400-314434/4-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 400-314434/3-A	Lab Control Sample Dup	Total/NA	Water	3520C	
LCSD 400-314434/5-A	Lab Control Sample Dup	Total/NA	Water	3520C	
400-124395-A-4-A MS	Matrix Spike	Total/NA	Water	3520C	
400-124395-A-4-B MSD	Matrix Spike Duplicate	Total/NA	Water	3520C	

Analysis Batch: 314962

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124310-4	MW13-ROX-071116	Total/NA	Water	8270D LL	314434
400-124310-5	MW14-ROX-071116	Total/NA	Water	8270D LL	314434

Analysis Batch: 314976

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-314434/1-A	Method Blank	Total/NA	Water	8270D	314434
LCS 400-314434/2-A	Lab Control Sample	Total/NA	Water	8270D	314434
LCS 400-314434/4-A	Lab Control Sample	Total/NA	Water	8270D	314434
LCSD 400-314434/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	314434
LCSD 400-314434/5-A	Lab Control Sample Dup	Total/NA	Water	8270D	314434
400-124395-A-4-A MS	Matrix Spike	Total/NA	Water	8270D	314434
400-124395-A-4-B MSD	Matrix Spike Duplicate	Total/NA	Water	8270D	314434

Analysis Batch: 314990

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124310-3	MW13-ROX-071116-EB	Total/NA	Water	8270D LL	314434
MB 400-314434/1-A	Method Blank	Total/NA	Water	8270D LL	314434
LCS 400-314434/2-A	Lab Control Sample	Total/NA	Water	8270D LL	314434
LCSD 400-314434/3-A	Lab Control Sample Dup	Total/NA	Water	8270D LL	314434
400-124395-A-4-A MS	Matrix Spike	Total/NA	Water	8270D LL	314434
400-124395-A-4-B MSD	Matrix Spike Duplicate	Total/NA	Water	8270D LL	314434

GC/MS Semi VOA (Continued)

Analysis Batch: 314994

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124310-6	P66-ROX-071116	Total/NA	Water	8270D LL	314434

Analysis Batch: 315342

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124310-3	MW13-ROX-071116-EB	Total/NA	Water	8270D	314434
400-124310-4	MW13-ROX-071116	Total/NA	Water	8270D	314434
400-124310-5	MW14-ROX-071116	Total/NA	Water	8270D	314434
400-124310-6	P66-ROX-071116	Total/NA	Water	8270D	314434

GC Semi VOA

Prep Batch: 314557

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124310-1	TB-ROX-071116W-8011	Total/NA	Water	8011	
400-124310-3	MW13-ROX-071116-EB	Total/NA	Water	8011	
400-124310-4	MW13-ROX-071116	Total/NA	Water	8011	
400-124310-5	MW14-ROX-071116	Total/NA	Water	8011	
400-124310-6	P66-ROX-071116	Total/NA	Water	8011	
MB 400-314557/1-A	Method Blank	Total/NA	Water	8011	
LCS 400-314557/2-A	Lab Control Sample	Total/NA	Water	8011	
400-124395-E-4-A MS	Matrix Spike	Total/NA	Water	8011	
400-124395-E-4-B MSD	Matrix Spike Duplicate	Total/NA	Water	8011	

Analysis Batch: 314704

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124310-1	TB-ROX-071116W-8011	Total/NA	Water	8011	314557
400-124310-3	MW13-ROX-071116-EB	Total/NA	Water	8011	314557
400-124310-4	MW13-ROX-071116	Total/NA	Water	8011	314557
400-124310-5	MW14-ROX-071116	Total/NA	Water	8011	314557
MB 400-314557/1-A	Method Blank	Total/NA	Water	8011	314557
LCS 400-314557/2-A	Lab Control Sample	Total/NA	Water	8011	314557
400-124395-E-4-A MS	Matrix Spike	Total/NA	Water	8011	314557
400-124395-E-4-B MSD	Matrix Spike Duplicate	Total/NA	Water	8011	314557

Analysis Batch: 315089

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124310-6	P66-ROX-071116	Total/NA	Water	8011	314557

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

Lab Sample ID: MB 400-314441/25
Matrix: Water
Analysis Batch: 314441

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			07/15/16 12:03	1
Acrolein	ND		20	10	ug/L			07/15/16 12:03	1
Acrylonitrile	ND		10	2.8	ug/L			07/15/16 12:03	1
Benzene	ND		1.0	0.38	ug/L			07/15/16 12:03	1
Bromobenzene	ND		1.0	0.54	ug/L			07/15/16 12:03	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/15/16 12:03	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/15/16 12:03	1
Bromoform	ND		5.0	0.71	ug/L			07/15/16 12:03	1
Bromomethane	ND		1.0	0.98	ug/L			07/15/16 12:03	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/15/16 12:03	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/15/16 12:03	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			07/15/16 12:03	1
Chlorobenzene	ND		1.0	0.50	ug/L			07/15/16 12:03	1
Dibromochloromethane	ND		1.0	0.50	ug/L			07/15/16 12:03	1
Chloroethane	ND		1.0	0.76	ug/L			07/15/16 12:03	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/15/16 12:03	1
Chloroform	ND		1.0	0.60	ug/L			07/15/16 12:03	1
1-Chlorohexane	ND		1.0	0.70	ug/L			07/15/16 12:03	1
Chloromethane	ND		1.0	0.83	ug/L			07/15/16 12:03	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/15/16 12:03	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/15/16 12:03	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/15/16 12:03	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/15/16 12:03	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/15/16 12:03	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/15/16 12:03	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/15/16 12:03	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			07/15/16 12:03	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/15/16 12:03	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/15/16 12:03	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/15/16 12:03	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/15/16 12:03	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			07/15/16 12:03	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/15/16 12:03	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/15/16 12:03	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/15/16 12:03	1
2-Hexanone	ND		25	3.1	ug/L			07/15/16 12:03	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/15/16 12:03	1
Methylene bromide	ND		5.0	0.59	ug/L			07/15/16 12:03	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/15/16 12:03	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/15/16 12:03	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			07/15/16 12:03	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			07/15/16 12:03	1
Naphthalene	ND		1.0	1.0	ug/L			07/15/16 12:03	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/15/16 12:03	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/15/16 12:03	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/15/16 12:03	1
o-Xylene	ND		5.0	0.60	ug/L			07/15/16 12:03	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/15/16 12:03	1

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

Lab Sample ID: MB 400-314441/25
Matrix: Water
Analysis Batch: 314441

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			07/15/16 12:03	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/15/16 12:03	1
Styrene	ND		1.0	1.0	ug/L			07/15/16 12:03	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/15/16 12:03	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			07/15/16 12:03	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/15/16 12:03	1
Tetrachloroethene	ND		1.0	0.58	ug/L			07/15/16 12:03	1
Toluene	ND		1.0	0.70	ug/L			07/15/16 12:03	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/15/16 12:03	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/15/16 12:03	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			07/15/16 12:03	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/15/16 12:03	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			07/15/16 12:03	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			07/15/16 12:03	1
Trichloroethene	ND		1.0	0.50	ug/L			07/15/16 12:03	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			07/15/16 12:03	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/15/16 12:03	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/15/16 12:03	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/15/16 12:03	1
Vinyl acetate	ND		25	2.0	ug/L			07/15/16 12:03	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/15/16 12:03	1
Xylenes, Total	ND		10	1.6	ug/L			07/15/16 12:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*78 - 118*		*07/15/16 12:03*	*1*
Dibromofluoromethane	*101*		*81 - 121*		*07/15/16 12:03*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*07/15/16 12:03*	*1*

Lab Sample ID: LCS 400-314441/1002
Matrix: Water
Analysis Batch: 314441

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	200	197		ug/L		99	43 - 160
Acrolein	500	482		ug/L		96	38 - 160
Acrylonitrile	500	499		ug/L		100	64 - 142
Benzene	50.0	47.9		ug/L		96	70 - 130
Bromobenzene	50.0	49.1		ug/L		98	70 - 132
Bromochloromethane	50.0	48.7		ug/L		97	70 - 130
Bromodichloromethane	50.0	49.0		ug/L		98	67 - 133
Bromoform	50.0	48.4		ug/L		97	57 - 140
Bromomethane	50.0	67.1		ug/L		134	10 - 160
2-Butanone (MEK)	200	208		ug/L		104	61 - 145
Carbon disulfide	50.0	45.6		ug/L		91	61 - 137
Carbon tetrachloride	50.0	47.5		ug/L		95	61 - 137
Chlorobenzene	50.0	48.8		ug/L		98	70 - 130
Dibromochloromethane	50.0	50.8		ug/L		102	67 - 135
Chloroethane	50.0	42.2		ug/L		84	55 - 141

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

Lab Sample ID: LCS 400-314441/1002
Matrix: Water
Analysis Batch: 314441

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	71.4		ug/L		143	10 - 160
Chloroform	50.0	48.3		ug/L		97	69 - 130
1-Chlorohexane	50.0	47.4		ug/L		95	69 - 130
Chloromethane	50.0	37.1		ug/L		74	58 - 137
cis-1,2-Dichloroethene	50.0	48.7		ug/L		97	68 - 130
cis-1,3-Dichloropropene	50.0	49.7		ug/L		99	69 - 132
1,2-Dichlorobenzene	50.0	48.4		ug/L		97	67 - 130
1,3-Dichlorobenzene	50.0	49.1		ug/L		98	70 - 130
1,4-Dichlorobenzene	50.0	48.5		ug/L		97	70 - 130
Dichlorodifluoromethane	50.0	44.7		ug/L		89	41 - 146
1,1-Dichloroethane	50.0	48.3		ug/L		97	70 - 130
1,2-Dichloroethane	50.0	47.5		ug/L		95	69 - 130
1,1-Dichloroethene	50.0	48.8		ug/L		98	63 - 134
1,2-Dichloropropane	50.0	48.3		ug/L		97	70 - 130
1,3-Dichloropropane	50.0	50.3		ug/L		101	70 - 130
2,2-Dichloropropane	50.0	49.7		ug/L		99	52 - 135
1,1-Dichloropropene	50.0	47.8		ug/L		96	70 - 130
Ethylbenzene	50.0	48.9		ug/L		98	70 - 130
Ethyl methacrylate	50.0	50.4		ug/L		101	68 - 130
Hexachlorobutadiene	50.0	49.3		ug/L		99	53 - 140
2-Hexanone	200	200		ug/L		100	65 - 137
Isopropylbenzene	50.0	49.0		ug/L		98	70 - 130
Methylene bromide	50.0	49.8		ug/L		100	70 - 130
Methylene Chloride	50.0	45.4		ug/L		91	66 - 135
4-Methyl-2-pentanone (MIBK)	200	203		ug/L		101	69 - 138
Methyl tert-butyl ether	50.0	49.1		ug/L		98	66 - 130
m-Xylene & p-Xylene	50.0	48.1		ug/L		96	70 - 130
Naphthalene	50.0	48.7		ug/L		97	47 - 149
n-Butylbenzene	50.0	49.1		ug/L		98	67 - 130
N-Propylbenzene	50.0	49.2		ug/L		98	70 - 130
o-Chlorotoluene	50.0	48.0		ug/L		96	70 - 130
o-Xylene	50.0	48.7		ug/L		97	70 - 130
p-Chlorotoluene	50.0	48.9		ug/L		98	70 - 130
p-Isopropyltoluene	50.0	50.0		ug/L		100	65 - 130
sec-Butylbenzene	50.0	49.6		ug/L		99	66 - 130
Styrene	50.0	49.2		ug/L		98	70 - 130
tert-Butylbenzene	50.0	49.1		ug/L		98	64 - 139
1,1,1,2-Tetrachloroethane	50.0	50.1		ug/L		100	67 - 131
1,1,2,2-Tetrachloroethane	50.0	48.6		ug/L		97	70 - 131
Tetrachloroethene	50.0	49.4		ug/L		99	65 - 130
Toluene	50.0	47.4		ug/L		95	70 - 130
trans-1,2-Dichloroethene	50.0	48.4		ug/L		97	70 - 130
trans-1,3-Dichloropropene	50.0	50.6		ug/L		101	63 - 130
1,2,3-Trichlorobenzene	50.0	49.2		ug/L		98	60 - 138
1,2,4-Trichlorobenzene	50.0	49.2		ug/L		98	60 - 140
1,1,1-Trichloroethane	50.0	47.8		ug/L		96	68 - 130
1,1,2-Trichloroethane	50.0	51.0		ug/L		102	70 - 130
Trichloroethene	50.0	48.9		ug/L		98	70 - 130

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

Lab Sample ID: LCS 400-314441/1002
Matrix: Water
Analysis Batch: 314441

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	38.0		ug/L		76	65 - 138
1,2,3-Trichloropropane	50.0	49.1		ug/L		98	70 - 130
1,2,4-Trimethylbenzene	50.0	49.0		ug/L		98	70 - 130
1,3,5-Trimethylbenzene	50.0	48.9		ug/L		98	69 - 130
Vinyl acetate	100	103		ug/L		103	26 - 160
Vinyl chloride	50.0	45.2		ug/L		90	59 - 136
Xylenes, Total	100	96.8		ug/L		97	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*99*		*78 - 118*
Dibromofluoromethane	*104*		*81 - 121*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: 400-124305-C-3 MS
Matrix: Water
Analysis Batch: 314441

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		200	174		ug/L		87	43 - 160
Acrolein	ND		500	395		ug/L		79	38 - 160
Acrylonitrile	ND		500	503		ug/L		101	62 - 149
Benzene	ND		50.0	51.1		ug/L		102	56 - 142
Bromobenzene	ND		50.0	53.6		ug/L		107	59 - 136
Bromochloromethane	ND		50.0	52.0		ug/L		104	64 - 140
Bromodichloromethane	ND		50.0	51.8		ug/L		104	59 - 143
Bromoform	ND		50.0	51.0		ug/L		102	50 - 140
Bromomethane	ND		50.0	78.4		ug/L		157	10 - 160
2-Butanone (MEK)	ND		200	199		ug/L		99	55 - 150
Carbon disulfide	ND		50.0	49.0		ug/L		98	48 - 152
Carbon tetrachloride	ND		50.0	50.8		ug/L		102	55 - 145
Chlorobenzene	ND		50.0	52.1		ug/L		104	64 - 130
Dibromochloromethane	ND		50.0	53.8		ug/L		108	56 - 143
Chloroethane	ND		50.0	44.9		ug/L		90	50 - 151
2-Chloroethyl vinyl ether	ND	F1	50.0	ND	F1	ug/L		0	10 - 160
Chloroform	ND		50.0	51.6		ug/L		103	60 - 141
1-Chlorohexane	ND		50.0	51.2		ug/L		102	56 - 136
Chloromethane	ND		50.0	38.2		ug/L		76	49 - 148
cis-1,2-Dichloroethene	ND		50.0	51.7		ug/L		103	59 - 143
cis-1,3-Dichloropropene	ND		50.0	52.2		ug/L		104	57 - 140
1,2-Dichlorobenzene	ND		50.0	52.3		ug/L		105	52 - 137
1,3-Dichlorobenzene	ND		50.0	53.1		ug/L		106	54 - 135
1,4-Dichlorobenzene	ND		50.0	52.5		ug/L		105	53 - 135
Dichlorodifluoromethane	ND		50.0	46.1		ug/L		92	16 - 160
1,1-Dichloroethane	ND		50.0	51.6		ug/L		103	61 - 144
1,2-Dichloroethane	ND		50.0	50.8		ug/L		102	60 - 141
1,1-Dichloroethene	ND		50.0	52.2		ug/L		104	54 - 147
1,2-Dichloropropane	ND		50.0	51.1		ug/L		102	66 - 137
1,3-Dichloropropane	ND		50.0	53.0		ug/L		106	66 - 133

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

Lab Sample ID: 400-124305-C-3 MS
Matrix: Water
Analysis Batch: 314441

Client Sample ID: Matrix Spike
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	53.1		ug/L		106	42 - 144
1,1-Dichloropropene	ND		50.0	51.1		ug/L		102	65 - 136
Ethylbenzene	ND		50.0	52.4		ug/L		105	58 - 131
Ethyl methacrylate	ND		50.0	51.7		ug/L		103	64 - 130
Hexachlorobutadiene	ND		50.0	53.6		ug/L		107	31 - 149
2-Hexanone	ND		200	202		ug/L		101	65 - 140
Isopropylbenzene	ND		50.0	52.9		ug/L		106	56 - 133
Methylene bromide	ND		50.0	52.2		ug/L		104	63 - 138
Methylene Chloride	ND		50.0	48.0		ug/L		96	60 - 146
4-Methyl-2-pentanone (MIBK)	ND		200	205		ug/L		102	63 - 146
Methyl tert-butyl ether	ND		50.0	51.5		ug/L		103	59 - 137
m-Xylene & p-Xylene	ND		50.0	51.7		ug/L		103	57 - 130
Naphthalene	ND		50.0	50.4		ug/L		101	25 - 160
n-Butylbenzene	ND		50.0	53.7		ug/L		107	41 - 142
N-Propylbenzene	ND		50.0	53.8		ug/L		108	51 - 138
o-Chlorotoluene	ND		50.0	53.2		ug/L		106	53 - 134
o-Xylene	ND		50.0	52.3		ug/L		105	61 - 130
p-Chlorotoluene	ND		50.0	52.9		ug/L		106	54 - 133
p-Isopropyltoluene	ND		50.0	54.9		ug/L		110	48 - 139
sec-Butylbenzene	ND		50.0	54.6		ug/L		109	50 - 138
Styrene	ND		50.0	52.4		ug/L		105	58 - 131
tert-Butylbenzene	ND		50.0	54.2		ug/L		108	54 - 146
1,1,1,2-Tetrachloroethane	ND		50.0	53.3		ug/L		107	59 - 137
1,1,2,2-Tetrachloroethane	ND		50.0	51.5		ug/L		103	66 - 135
Tetrachloroethene	ND		50.0	51.2		ug/L		102	52 - 133
Toluene	ND		50.0	51.0		ug/L		102	65 - 130
trans-1,2-Dichloroethene	ND		50.0	51.4		ug/L		103	61 - 143
trans-1,3-Dichloropropene	ND		50.0	53.0		ug/L		106	53 - 133
1,2,3-Trichlorobenzene	ND		50.0	51.5		ug/L		103	43 - 145
1,2,4-Trichlorobenzene	ND		50.0	51.4		ug/L		103	39 - 148
1,1,1-Trichloroethane	ND		50.0	51.0		ug/L		102	57 - 142
1,1,2-Trichloroethane	ND		50.0	53.4		ug/L		107	66 - 131
Trichloroethene	ND		50.0	51.9		ug/L		104	64 - 136
Trichlorofluoromethane	ND		50.0	38.9		ug/L		78	54 - 156
1,2,3-Trichloropropane	ND		50.0	51.5		ug/L		103	65 - 133
1,2,4-Trimethylbenzene	ND		50.0	54.1		ug/L		108	50 - 139
1,3,5-Trimethylbenzene	ND		50.0	54.1		ug/L		108	52 - 135
Vinyl acetate	ND		100	99.8		ug/L		100	26 - 160
Vinyl chloride	ND		50.0	46.6		ug/L		93	46 - 152
Xylenes, Total	ND		100	104		ug/L		104	59 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*78 - 118*
Dibromofluoromethane	*103*		*81 - 121*
Toluene-d8 (Surr)	*100*		*80 - 120*

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

Lab Sample ID: 400-124305-C-3 MSD
Matrix: Water
Analysis Batch: 314441

Client Sample ID: Matrix Spike Duplicate
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	194		ug/L		97	43 - 160	11	30
Acrolein	ND		500	429		ug/L		86	38 - 160	8	31
Acrylonitrile	ND		500	561		ug/L		112	62 - 149	11	30
Benzene	ND		50.0	52.2		ug/L		104	56 - 142	2	30
Bromobenzene	ND		50.0	54.0		ug/L		108	59 - 136	1	30
Bromochloromethane	ND		50.0	54.0		ug/L		108	64 - 140	4	30
Bromodichloromethane	ND		50.0	53.1		ug/L		106	59 - 143	3	30
Bromoform	ND		50.0	53.9		ug/L		108	50 - 140	6	30
Bromomethane	ND		50.0	67.1		ug/L		134	10 - 160	16	50
2-Butanone (MEK)	ND		200	224		ug/L		112	55 - 150	12	30
Carbon disulfide	ND		50.0	50.7		ug/L		101	48 - 152	4	30
Carbon tetrachloride	ND		50.0	52.5		ug/L		105	55 - 145	3	30
Chlorobenzene	ND		50.0	53.1		ug/L		106	64 - 130	2	30
Dibromochloromethane	ND		50.0	55.5		ug/L		111	56 - 143	3	30
Chloroethane	ND		50.0	46.5		ug/L		93	50 - 151	3	30
2-Chloroethyl vinyl ether	ND	F1	50.0	ND	F1	ug/L		0	10 - 160	NC	50
Chloroform	ND		50.0	52.6		ug/L		105	60 - 141	2	30
1-Chlorohexane	ND		50.0	51.0		ug/L		102	56 - 136	0	30
Chloromethane	ND		50.0	40.1		ug/L		80	49 - 148	5	31
cis-1,2-Dichloroethene	ND		50.0	53.8		ug/L		108	59 - 143	4	30
cis-1,3-Dichloropropene	ND		50.0	53.5		ug/L		107	57 - 140	3	30
1,2-Dichlorobenzene	ND		50.0	53.0		ug/L		106	52 - 137	1	30
1,3-Dichlorobenzene	ND		50.0	52.8		ug/L		106	54 - 135	1	30
1,4-Dichlorobenzene	ND		50.0	52.8		ug/L		106	53 - 135	1	30
Dichlorodifluoromethane	ND		50.0	47.7		ug/L		95	16 - 160	3	31
1,1-Dichloroethane	ND		50.0	53.4		ug/L		107	61 - 144	3	30
1,2-Dichloroethane	ND		50.0	52.7		ug/L		105	60 - 141	4	30
1,1-Dichloroethene	ND		50.0	53.9		ug/L		108	54 - 147	3	30
1,2-Dichloropropane	ND		50.0	52.6		ug/L		105	66 - 137	3	30
1,3-Dichloropropane	ND		50.0	54.8		ug/L		110	66 - 133	3	30
2,2-Dichloropropane	ND		50.0	54.5		ug/L		109	42 - 144	3	31
1,1-Dichloropropene	ND		50.0	52.6		ug/L		105	65 - 136	3	30
Ethylbenzene	ND		50.0	52.8		ug/L		106	58 - 131	1	30
Ethyl methacrylate	ND		50.0	55.6		ug/L		111	64 - 130	7	30
Hexachlorobutadiene	ND		50.0	51.1		ug/L		102	31 - 149	5	36
2-Hexanone	ND		200	226		ug/L		113	65 - 140	11	30
Isopropylbenzene	ND		50.0	53.0		ug/L		106	56 - 133	0	30
Methylene bromide	ND		50.0	55.0		ug/L		110	63 - 138	5	30
Methylene Chloride	ND		50.0	50.0		ug/L		100	60 - 146	4	32
4-Methyl-2-pentanone (MIBK)	ND		200	227		ug/L		114	63 - 146	10	30
Methyl tert-butyl ether	ND		50.0	54.6		ug/L		109	59 - 137	6	30
m-Xylene & p-Xylene	ND		50.0	52.1		ug/L		104	57 - 130	1	30
Naphthalene	ND		50.0	53.8		ug/L		108	25 - 160	7	30
n-Butylbenzene	ND		50.0	51.2		ug/L		102	41 - 142	5	31
N-Propylbenzene	ND		50.0	53.4		ug/L		107	51 - 138	1	30
o-Chlorotoluene	ND		50.0	51.9		ug/L		104	53 - 134	2	30
o-Xylene	ND		50.0	52.5		ug/L		105	61 - 130	0	30
p-Chlorotoluene	ND		50.0	52.9		ug/L		106	54 - 133	0	30

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

Lab Sample ID: 400-124305-C-3 MSD
Matrix: Water
Analysis Batch: 314441

Client Sample ID: Matrix Spike Duplicate
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	54.0		ug/L		108	48 - 139	2	30
sec-Butylbenzene	ND		50.0	53.4		ug/L		107	50 - 138	2	30
Styrene	ND		50.0	52.9		ug/L		106	58 - 131	1	30
tert-Butylbenzene	ND		50.0	53.9		ug/L		108	54 - 146	1	30
1,1,1,2-Tetrachloroethane	ND		50.0	54.4		ug/L		109	59 - 137	2	30
1,1,2,2-Tetrachloroethane	ND		50.0	54.8		ug/L		110	66 - 135	6	30
Tetrachloroethene	ND		50.0	51.7		ug/L		103	52 - 133	1	30
Toluene	ND		50.0	51.7		ug/L		103	65 - 130	1	30
trans-1,2-Dichloroethene	ND		50.0	53.2		ug/L		106	61 - 143	3	30
trans-1,3-Dichloropropene	ND		50.0	55.0		ug/L		110	53 - 133	4	30
1,2,3-Trichlorobenzene	ND		50.0	52.5		ug/L		105	43 - 145	2	30
1,2,4-Trichlorobenzene	ND		50.0	51.4		ug/L		103	39 - 148	0	30
1,1,1-Trichloroethane	ND		50.0	52.4		ug/L		105	57 - 142	3	30
1,1,2-Trichloroethane	ND		50.0	55.4		ug/L		111	66 - 131	4	30
Trichloroethene	ND		50.0	53.0		ug/L		106	64 - 136	2	30
Trichlorofluoromethane	ND		50.0	40.7		ug/L		81	54 - 156	5	30
1,2,3-Trichloropropane	ND		50.0	55.4		ug/L		111	65 - 133	7	30
1,2,4-Trimethylbenzene	ND		50.0	53.6		ug/L		107	50 - 139	1	30
1,3,5-Trimethylbenzene	ND		50.0	53.8		ug/L		108	52 - 135	1	30
Vinyl acetate	ND		100	110		ug/L		110	26 - 160	10	33
Vinyl chloride	ND		50.0	48.4		ug/L		97	46 - 152	4	30
Xylenes, Total	ND		100	105		ug/L		105	59 - 130	0	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*78 - 118*
Dibromofluoromethane	*104*		*81 - 121*
Toluene-d8 (Surr)	*100*		*80 - 120*

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

Lab Sample ID: MB 400-314434/1-A
Matrix: Water
Analysis Batch: 314976

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 314434

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		07/15/16 09:43	07/20/16 13:58	1
Benzenethiol	ND		10	1.7	ug/L		07/15/16 09:43	07/20/16 13:58	1
Benzoic acid	ND		30	7.3	ug/L		07/15/16 09:43	07/20/16 13:58	1
Benzyl alcohol	ND		10	2.0	ug/L		07/15/16 09:43	07/20/16 13:58	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		07/15/16 09:43	07/20/16 13:58	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		07/15/16 09:43	07/20/16 13:58	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		07/15/16 09:43	07/20/16 13:58	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		07/15/16 09:43	07/20/16 13:58	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		07/15/16 09:43	07/20/16 13:58	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		07/15/16 09:43	07/20/16 13:58	1
4-Chloroaniline	ND		10	3.4	ug/L		07/15/16 09:43	07/20/16 13:58	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		07/15/16 09:43	07/20/16 13:58	1
2-Chloronaphthalene	ND		10	0.52	ug/L		07/15/16 09:43	07/20/16 13:58	1

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

Lab Sample ID: MB 400-314434/1-A
Matrix: Water
Analysis Batch: 314976

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 314434

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorophenol	ND		10	2.2	ug/L		07/15/16 09:43	07/20/16 13:58	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		07/15/16 09:43	07/20/16 13:58	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		07/15/16 09:43	07/20/16 13:58	1
Dibenzofuran	ND		10	0.52	ug/L		07/15/16 09:43	07/20/16 13:58	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		07/15/16 09:43	07/20/16 13:58	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		07/15/16 09:43	07/20/16 13:58	1
Diethyl phthalate	ND		10	0.70	ug/L		07/15/16 09:43	07/20/16 13:58	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		07/15/16 09:43	07/20/16 13:58	1
Dimethyl phthalate	ND		10	0.60	ug/L		07/15/16 09:43	07/20/16 13:58	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		07/15/16 09:43	07/20/16 13:58	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/15/16 09:43	07/20/16 13:58	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		07/15/16 09:43	07/20/16 13:58	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		07/15/16 09:43	07/20/16 13:58	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		07/15/16 09:43	07/20/16 13:58	1
Di-n-octyl phthalate	ND		10	0.44	ug/L		07/15/16 09:43	07/20/16 13:58	1
1,4-Dioxane	ND		10	1.0	ug/L		07/15/16 09:43	07/20/16 13:58	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		07/15/16 09:43	07/20/16 13:58	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/15/16 09:43	07/20/16 13:58	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		07/15/16 09:43	07/20/16 13:58	1
Hexachloroethane	ND		10	4.2	ug/L		07/15/16 09:43	07/20/16 13:58	1
Indene	ND		10	1.0	ug/L		07/15/16 09:43	07/20/16 13:58	1
Isophorone	ND		10	0.57	ug/L		07/15/16 09:43	07/20/16 13:58	1
2-Methylphenol	ND		10	1.8	ug/L		07/15/16 09:43	07/20/16 13:58	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		07/15/16 09:43	07/20/16 13:58	1
2-Nitroaniline	ND		10	2.2	ug/L		07/15/16 09:43	07/20/16 13:58	1
3-Nitroaniline	ND		10	1.8	ug/L		07/15/16 09:43	07/20/16 13:58	1
4-Nitroaniline	ND		10	2.5	ug/L		07/15/16 09:43	07/20/16 13:58	1
Nitrobenzene	ND		10	0.55	ug/L		07/15/16 09:43	07/20/16 13:58	1
2-Nitrophenol	ND		10	0.65	ug/L		07/15/16 09:43	07/20/16 13:58	1
4-Nitrophenol	ND		10	2.1	ug/L		07/15/16 09:43	07/20/16 13:58	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		07/15/16 09:43	07/20/16 13:58	1
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		07/15/16 09:43	07/20/16 13:58	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		07/15/16 09:43	07/20/16 13:58	1
Pentachlorophenol	ND		20	1.8	ug/L		07/15/16 09:43	07/20/16 13:58	1
Phenol	ND		10	2.6	ug/L		07/15/16 09:43	07/20/16 13:58	1
Pyridine	ND		10	3.2	ug/L		07/15/16 09:43	07/20/16 13:58	1
Quinoline	ND		10	6.0	ug/L		07/15/16 09:43	07/20/16 13:58	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		07/15/16 09:43	07/20/16 13:58	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		07/15/16 09:43	07/20/16 13:58	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*61*		*34 - 120*	*07/15/16 09:43*	*07/20/16 13:58*	*1*
2-Fluorophenol	*52*		*10 - 120*	*07/15/16 09:43*	*07/20/16 13:58*	*1*
Nitrobenzene-d5	*61*		*27 - 120*	*07/15/16 09:43*	*07/20/16 13:58*	*1*
Phenol-d5	*57*		*10 - 120*	*07/15/16 09:43*	*07/20/16 13:58*	*1*
Terphenyl-d14	*70*		*53 - 125*	*07/15/16 09:43*	*07/20/16 13:58*	*1*
2,4,6-Tribromophenol	*71*		*15 - 135*	*07/15/16 09:43*	*07/20/16 13:58*	*1*

Lab Sample ID: LCS 400-314434/2-A
Matrix: Water
Analysis Batch: 314976

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 314434

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aniline	30.0	20.5		ug/L		68	10 - 145
Benzoic acid	121	72.1		ug/L		60	10 - 120
Benzyl alcohol	30.0	20.2		ug/L		67	51 - 121
Bis(2-chloroethoxy)methane	30.0	19.6		ug/L		65	54 - 123
Bis(2-chloroethyl)ether	30.0	19.3		ug/L		64	47 - 120
bis (2-chloroisopropyl) ether	30.0	18.4		ug/L		61	20 - 142
Bis(2-ethylhexyl) phthalate	30.0	22.6		ug/L		75	62 - 140
4-Bromophenyl phenyl ether	30.0	23.6		ug/L		79	62 - 132
Butyl benzyl phthalate	30.0	22.9		ug/L		76	51 - 150
4-Chloroaniline	30.0	20.1		ug/L		67	32 - 128
4-Chloro-3-methylphenol	30.0	22.9		ug/L		76	47 - 135
2-Chloronaphthalene	30.0	20.1		ug/L		67	24 - 150
2-Chlorophenol	30.0	19.7		ug/L		66	45 - 120
4-Chlorophenyl phenyl ether	30.0	24.0		ug/L		80	61 - 133
Dibenz[a,h]acridine	30.0	17.9		ug/L		60	60 - 131
Dibenzofuran	30.0	22.5		ug/L		75	62 - 124
3,3'-Dichlorobenzidine	40.0	42.2		ug/L		106	16 - 167
2,4-Dichlorophenol	30.0	22.0		ug/L		73	52 - 125
Diethyl phthalate	30.0	20.7		ug/L		69	55 - 140
2,4-Dimethylphenol	30.0	20.9		ug/L		70	52 - 121
Dimethyl phthalate	30.0	22.9		ug/L		76	50 - 133
Di-n-butyl phthalate	30.0	19.3		ug/L		64	59 - 144
4,6-Dinitro-ortho-cresol	60.0	51.4		ug/L		86	46 - 136
2,4-Dinitrophenol	101	99.7		ug/L		99	22 - 146
2,4-Dinitrotoluene	30.0	23.2		ug/L		77	54 - 141
2,6-Dinitrotoluene	30.0	24.8		ug/L		83	61 - 130
Di-n-octyl phthalate	30.0	22.1		ug/L		74	55 - 140
1,4-Dioxane	30.0	15.6		ug/L		52	10 - 130
1,2-Diphenylhydrazine (as Azobenzene)	30.0	20.4		ug/L		68	55 - 139
Hexachlorobenzene	30.0	24.6		ug/L		82	60 - 138
Hexachlorocyclopentadiene	30.0	16.3	J	ug/L		54	1 - 139
Hexachloroethane	30.0	20.9		ug/L		70	46 - 121
Indene	30.0	21.2		ug/L		71	17 - 141
Isophorone	30.0	22.4		ug/L		75	57 - 122
2-Methylphenol	30.0	21.5		ug/L		72	38 - 121
3 & 4 Methylphenol	30.0	19.4	J	ug/L		65	43 - 126
2-Nitroaniline	30.0	24.1		ug/L		80	52 - 135
3-Nitroaniline	30.0	29.8		ug/L		99	51 - 128
4-Nitroaniline	30.0	28.2		ug/L		94	38 - 141
Nitrobenzene	30.0	22.8		ug/L		76	52 - 128
2-Nitrophenol	30.0	20.3		ug/L		68	47 - 129
4-Nitrophenol	60.0	45.9		ug/L		77	34 - 137
N-Nitrosodimethylamine	30.0	17.4		ug/L		58	21 - 134
N-Nitrosodi-n-propylamine	30.0	19.7		ug/L		66	41 - 143
N-Nitrosodiphenylamine	30.0	21.8		ug/L		73	10 - 185
Pentachlorophenol	60.0	42.5		ug/L		71	38 - 138
Phenol	30.0	20.0		ug/L		67	37 - 120
Pyridine	30.0	16.2		ug/L		54	10 - 127
Quinoline	30.0	19.9		ug/L		66	10 - 164

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

Lab Sample ID: LCS 400-314434/2-A
Matrix: Water
Analysis Batch: 314976

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 314434

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4,5-Trichlorophenol	30.0	24.5		ug/L		82	53 - 130
2,4,6-Trichlorophenol	30.0	23.1		ug/L		77	52 - 131

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*59*		*34 - 120*
2-Fluorophenol	*59*		*10 - 120*
Nitrobenzene-d5	*71*		*27 - 120*
Phenol-d5	*66*		*10 - 120*
Terphenyl-d14	*75*		*53 - 125*
2,4,6-Tribromophenol	*91*		*15 - 135*

Lab Sample ID: LCS 400-314434/4-A
Matrix: Water
Analysis Batch: 314976

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 314434

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzenethiol	100	1.81	J *	ug/L		2	20 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*57*		*34 - 120*
2-Fluorophenol	*49*		*10 - 120*
Nitrobenzene-d5	*56*		*27 - 120*
Phenol-d5	*53*		*10 - 120*
Terphenyl-d14	*70*		*53 - 125*
2,4,6-Tribromophenol	*79*		*15 - 135*

Lab Sample ID: LCSD 400-314434/3-A
Matrix: Water
Analysis Batch: 314976

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 314434

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aniline	30.0	7.33	J *	ug/L		24	10 - 145	95	30
Benzoic acid	121	97.8		ug/L		81	10 - 120	30	30
Benzyl alcohol	30.0	19.5		ug/L		65	51 - 121	4	30
Bis(2-chloroethoxy)methane	30.0	19.0		ug/L		63	54 - 123	4	30
Bis(2-chloroethyl)ether	30.0	18.5		ug/L		62	47 - 120	4	30
bis (2-chloroisopropyl) ether	30.0	17.6		ug/L		59	20 - 142	5	30
Bis(2-ethylhexyl) phthalate	30.0	22.3		ug/L		74	62 - 140	1	30
4-Bromophenyl phenyl ether	30.0	23.2		ug/L		77	62 - 132	2	30
Butyl benzyl phthalate	30.0	22.5		ug/L		75	51 - 150	2	30
4-Chloroaniline	30.0	19.0		ug/L		63	32 - 128	6	30
4-Chloro-3-methylphenol	30.0	22.0		ug/L		73	47 - 135	4	30
2-Chloronaphthalene	30.0	22.5		ug/L		75	24 - 150	11	30
2-Chlorophenol	30.0	19.5		ug/L		65	45 - 120	1	30
4-Chlorophenyl phenyl ether	30.0	22.8		ug/L		76	61 - 133	5	30
Dibenz[a,h]acridine	30.0	16.9	*	ug/L		56	60 - 131	6	30
Dibenzofuran	30.0	22.0		ug/L		73	62 - 124	2	30
3,3'-Dichlorobenzidine	40.0	35.6		ug/L		89	16 - 167	17	30

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

Lab Sample ID: LCSD 400-314434/3-A
Matrix: Water
Analysis Batch: 314976

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 314434

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-Dichlorophenol	30.0	21.4		ug/L		71	52 - 125	3	30
Diethyl phthalate	30.0	20.4		ug/L		68	55 - 140	1	30
2,4-Dimethylphenol	30.0	17.4		ug/L		58	52 - 121	18	30
Dimethyl phthalate	30.0	22.7		ug/L		76	50 - 133	1	30
Di-n-butyl phthalate	30.0	20.7		ug/L		69	59 - 144	7	30
4,6-Dinitro-ortho-cresol	60.0	52.4		ug/L		87	46 - 136	2	30
2,4-Dinitrophenol	101	106		ug/L		104	22 - 146	6	30
2,4-Dinitrotoluene	30.0	23.4		ug/L		78	54 - 141	1	30
2,6-Dinitrotoluene	30.0	24.9		ug/L		83	61 - 130	0	30
Di-n-octyl phthalate	30.0	21.3		ug/L		71	55 - 140	3	30
1,4-Dioxane	30.0	17.4		ug/L		58	10 - 130	11	30
1,2-Diphenylhydrazine (as Azobenzene)	30.0	20.2		ug/L		67	55 - 139	1	30
Hexachlorobenzene	30.0	24.4		ug/L		81	60 - 138	0	30
Hexachlorocyclopentadiene	30.0	20.7		ug/L		69	1 - 139	24	30
Hexachloroethane	30.0	18.4		ug/L		61	46 - 121	13	30
Indene	30.0	22.0		ug/L		73	17 - 141	4	30
Isophorone	30.0	19.7		ug/L		66	57 - 122	13	30
2-Methylphenol	30.0	20.8		ug/L		69	38 - 121	3	30
3 & 4 Methylphenol	30.0	17.4	J	ug/L		58	43 - 126	11	30
2-Nitroaniline	30.0	24.3		ug/L		81	52 - 135	1	30
3-Nitroaniline	30.0	26.9		ug/L		90	51 - 128	10	30
4-Nitroaniline	30.0	25.1		ug/L		84	38 - 141	12	30
Nitrobenzene	30.0	19.4		ug/L		65	52 - 128	16	30
2-Nitrophenol	30.0	18.5		ug/L		62	47 - 129	9	30
4-Nitrophenol	60.0	42.5		ug/L		71	34 - 137	8	30
N-Nitrosodimethylamine	30.0	17.3		ug/L		58	21 - 134	0	30
N-Nitrosodi-n-propylamine	30.0	17.8		ug/L		59	41 - 143	10	30
N-Nitrosodiphenylamine	30.0	21.6		ug/L		72	10 - 185	1	30
Pentachlorophenol	60.0	46.1		ug/L		77	38 - 138	8	30
Phenol	30.0	20.3		ug/L		68	37 - 120	1	30
Pyridine	30.0	ND	*	ug/L		3	10 - 127	179	30
Quinoline	30.0	16.5		ug/L		55	10 - 164	19	30
2,4,5-Trichlorophenol	30.0	26.9		ug/L		90	53 - 130	9	30
2,4,6-Trichlorophenol	30.0	25.2		ug/L		84	52 - 131	9	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*69*		*34 - 120*
2-Fluorophenol	*66*		*10 - 120*
Nitrobenzene-d5	*65*		*27 - 120*
Phenol-d5	*70*		*10 - 120*
Terphenyl-d14	*78*		*53 - 125*
2,4,6-Tribromophenol	*99*		*15 - 135*

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

Lab Sample ID: LCSD 400-314434/5-A
Matrix: Water
Analysis Batch: 314976

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 314434

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzenethiol			100	2.71	J *	ug/L		3	20 - 150	40	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*72*		*34 - 120*
2-Fluorophenol	*53*		*10 - 120*
Nitrobenzene-d5	*58*		*27 - 120*
Phenol-d5	*57*		*10 - 120*
Terphenyl-d14	*73*		*53 - 125*
2,4,6-Tribromophenol	*83*		*15 - 135*

Lab Sample ID: 400-124395-A-4-A MS
Matrix: Water
Analysis Batch: 314976

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 314434

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aniline	ND	*	30.0	12.4		ug/L		41	10 - 143
Benzoic acid	ND		121	92.5		ug/L		77	10 - 134
Benzyl alcohol	ND		30.0	14.0		ug/L		47	10 - 154
Bis(2-chloroethoxy)methane	ND		30.0	18.2		ug/L		61	14 - 147
Bis(2-chloroethyl)ether	ND		30.0	17.8		ug/L		59	28 - 130
bis (2-chloroisopropyl) ether	ND		30.0	15.4		ug/L		51	10 - 141
Bis(2-ethylhexyl) phthalate	ND		30.0	20.2		ug/L		67	43 - 160
4-Bromophenyl phenyl ether	ND		30.0	22.5		ug/L		75	26 - 159
Butyl benzyl phthalate	ND		30.0	20.8		ug/L		69	43 - 151
4-Chloroaniline	ND		30.0	15.4		ug/L		51	10 - 152
4-Chloro-3-methylphenol	ND		30.0	19.1		ug/L		64	17 - 156
2-Chloronaphthalene	ND		30.0	20.8		ug/L		69	10 - 155
2-Chlorophenol	ND		30.0	18.8		ug/L		63	19 - 130
4-Chlorophenyl phenyl ether	ND		30.0	22.0		ug/L		73	25 - 161
Dibenz[a,h]acridine	ND	*	30.0	16.6		ug/L		55	42 - 147
Dibenzofuran	ND		30.0	21.3		ug/L		71	18 - 157
3,3'-Dichlorobenzidine	ND		40.0	14.9		ug/L		37	10 - 172
2,4-Dichlorophenol	ND		30.0	21.2		ug/L		71	16 - 147
Diethyl phthalate	ND		30.0	20.0		ug/L		67	23 - 160
2,4-Dimethylphenol	ND		30.0	19.3		ug/L		64	25 - 146
Dimethyl phthalate	ND		30.0	22.2		ug/L		74	11 - 158
Di-n-butyl phthalate	ND		30.0	19.7		ug/L		66	28 - 162
4,6-Dinitro-ortho-cresol	ND		60.0	51.4		ug/L		86	10 - 168
2,4-Dinitrophenol	ND		101	105		ug/L		104	10 - 166
2,4-Dinitrotoluene	ND		30.0	22.6		ug/L		75	26 - 158
2,6-Dinitrotoluene	ND		30.0	24.6		ug/L		82	19 - 157
Di-n-octyl phthalate	ND		30.0	19.4		ug/L		65	42 - 150
1,4-Dioxane	ND		30.0	14.7		ug/L		49	10 - 130
1,2-Diphenylhydrazine (as Azobenzene)	ND		30.0	19.8		ug/L		66	19 - 162
Hexachlorobenzene	ND		30.0	23.1		ug/L		77	45 - 145
Hexachlorocyclopentadiene	ND		30.0	14.6	J	ug/L		49	10 - 151
Hexachloroethane	ND		30.0	21.6		ug/L		72	29 - 130

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

Lab Sample ID: 400-124395-A-4-A MS
Matrix: Water
Analysis Batch: 314976

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 314434

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Indene	ND		30.0	18.3		ug/L		61	22 - 130
Isophorone	ND		30.0	19.0		ug/L		63	24 - 144
2-Methylphenol	ND		30.0	21.8		ug/L		73	22 - 130
3 & 4 Methylphenol	ND		30.0	18.9	J	ug/L		63	31 - 130
2-Nitroaniline	ND		30.0	23.8		ug/L		79	10 - 162
3-Nitroaniline	ND		30.0	24.4		ug/L		81	10 - 163
4-Nitroaniline	ND		30.0	24.2		ug/L		81	10 - 162
Nitrobenzene	ND		30.0	18.5		ug/L		62	34 - 135
2-Nitrophenol	ND		30.0	17.9		ug/L		60	27 - 134
4-Nitrophenol	ND		60.0	42.2		ug/L		70	10 - 175
N-Nitrosodimethylamine	ND		30.0	15.5		ug/L		52	10 - 139
N-Nitrosodi-n-propylamine	ND		30.0	18.0		ug/L		60	13 - 147
N-Nitrosodiphenylamine	ND		30.0	20.7		ug/L		69	31 - 150
Pentachlorophenol	ND		60.0	48.2		ug/L		80	10 - 180
Phenol	ND		30.0	19.5		ug/L		65	23 - 130
Pyridine	ND	* F1	30.0	ND	F1	ug/L		0	10 - 130
Quinoline	ND		30.0	16.5		ug/L		55	10 - 180
2,4,5-Trichlorophenol	ND		30.0	26.9		ug/L		90	43 - 137
2,4,6-Trichlorophenol	ND		30.0	24.6		ug/L		82	42 - 135

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*64*		*34 - 120*
2-Fluorophenol	*59*		*10 - 120*
Nitrobenzene-d5	*60*		*27 - 120*
Phenol-d5	*63*		*10 - 120*
Terphenyl-d14	*65*		*53 - 125*
2,4,6-Tribromophenol	*95*		*15 - 135*

Lab Sample ID: 400-124395-A-4-B MSD
Matrix: Water
Analysis Batch: 314976

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 314434

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aniline	ND	*	30.0	10.8		ug/L		36	10 - 143	13	63
Benzoic acid	ND		121	98.5		ug/L		82	10 - 134	6	49
Benzyl alcohol	ND		30.0	14.5		ug/L		48	10 - 154	3	37
Bis(2-chloroethoxy)methane	ND		30.0	18.3		ug/L		61	14 - 147	0	70
Bis(2-chloroethyl)ether	ND		30.0	17.3		ug/L		58	28 - 130	3	42
bis (2-chloroisopropyl) ether	ND		30.0	16.4		ug/L		55	10 - 141	7	41
Bis(2-ethylhexyl) phthalate	ND		30.0	20.7		ug/L		69	43 - 160	2	35
4-Bromophenyl phenyl ether	ND		30.0	22.4		ug/L		75	26 - 159	0	30
Butyl benzyl phthalate	ND		30.0	19.6		ug/L		65	43 - 151	6	32
4-Chloroaniline	ND		30.0	17.6		ug/L		59	10 - 152	13	94
4-Chloro-3-methylphenol	ND		30.0	22.3		ug/L		74	17 - 156	16	40
2-Chloronaphthalene	ND		30.0	21.0		ug/L		70	10 - 155	1	29
2-Chlorophenol	ND		30.0	18.5		ug/L		62	19 - 130	2	42
4-Chlorophenyl phenyl ether	ND		30.0	21.9		ug/L		73	25 - 161	0	27
Dibenz[a,h]acridine	ND	*	30.0	13.4		ug/L		45	42 - 147	22	40

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

Lab Sample ID: 400-124395-A-4-B MSD
Matrix: Water
Analysis Batch: 314976

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 314434

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Dibenzofuran	ND		30.0	21.6		ug/L		72	18 - 157	2	29
3,3'-Dichlorobenzidine	ND		40.0	12.9		ug/L		32	10 - 172	15	58
2,4-Dichlorophenol	ND		30.0	21.6		ug/L		72	16 - 147	2	43
Diethyl phthalate	ND		30.0	20.0		ug/L		67	23 - 160	0	40
2,4-Dimethylphenol	ND		30.0	19.8		ug/L		66	25 - 146	3	47
Dimethyl phthalate	ND		30.0	22.2		ug/L		74	11 - 158	0	36
Di-n-butyl phthalate	ND		30.0	19.4		ug/L		65	28 - 162	1	32
4,6-Dinitro-ortho-cresol	ND		60.0	53.0		ug/L		88	10 - 168	3	42
2,4-Dinitrophenol	ND		101	112		ug/L		110	10 - 166	6	36
2,4-Dinitrotoluene	ND		30.0	22.8		ug/L		76	26 - 158	1	28
2,6-Dinitrotoluene	ND		30.0	24.2		ug/L		81	19 - 157	1	28
Di-n-octyl phthalate	ND		30.0	18.2		ug/L		61	42 - 150	6	35
1,4-Dioxane	ND		30.0	14.2		ug/L		47	10 - 130	3	40
1,2-Diphenylhydrazine (as Azobenzene)	ND		30.0	20.1		ug/L		67	19 - 162	1	40
Hexachlorobenzene	ND		30.0	22.9		ug/L		76	45 - 145	1	33
Hexachlorocyclopentadiene	ND		30.0	14.0	J	ug/L		47	10 - 151	4	50
Hexachloroethane	ND		30.0	21.2		ug/L		71	29 - 130	2	41
Indene	ND		30.0	17.4		ug/L		58	22 - 130	5	40
Isophorone	ND		30.0	19.1		ug/L		64	24 - 144	0	33
2-Methylphenol	ND		30.0	22.1		ug/L		74	22 - 130	1	47
3 & 4 Methylphenol	ND		30.0	18.3	J	ug/L		61	31 - 130	3	47
2-Nitroaniline	ND		30.0	24.4		ug/L		81	10 - 162	2	33
3-Nitroaniline	ND		30.0	23.9		ug/L		80	10 - 163	2	39
4-Nitroaniline	ND		30.0	22.9		ug/L		76	10 - 162	5	50
Nitrobenzene	ND		30.0	19.0		ug/L		63	34 - 135	2	35
2-Nitrophenol	ND		30.0	18.4		ug/L		61	27 - 134	3	43
4-Nitrophenol	ND		60.0	44.3		ug/L		74	10 - 175	5	82
N-Nitrosodimethylamine	ND		30.0	15.8		ug/L		53	10 - 139	2	62
N-Nitrosodi-n-propylamine	ND		30.0	17.7		ug/L		59	13 - 147	2	36
N-Nitrosodiphenylamine	ND		30.0	20.9		ug/L		70	31 - 150	1	34
Pentachlorophenol	ND		60.0	50.5		ug/L		84	10 - 180	5	42
Phenol	ND		30.0	18.9		ug/L		63	23 - 130	3	52
Pyridine	ND	*F1	30.0	ND	F1	ug/L		0	10 - 130	NC	55
Quinoline	ND		30.0	18.5		ug/L		62	10 - 180	12	40
2,4,5-Trichlorophenol	ND		30.0	26.8		ug/L		89	43 - 137	1	42
2,4,6-Trichlorophenol	ND		30.0	24.9		ug/L		83	42 - 135	1	44

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*59*		*34 - 120*
2-Fluorophenol	*53*		*10 - 120*
Nitrobenzene-d5	*56*		*27 - 120*
Phenol-d5	*56*		*10 - 120*
Terphenyl-d14	*56*		*53 - 125*
2,4,6-Tribromophenol	*84*		*15 - 135*

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

Lab Sample ID: MB 400-314434/1-A
Matrix: Water
Analysis Batch: 314990

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 314434

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 05:56	1
Acenaphthylene	ND		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 05:56	1
Anthracene	ND		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 05:56	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 05:56	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 05:56	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 05:56	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 05:56	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 05:56	1
Chrysene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 05:56	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 05:56	1
Fluoranthene	ND		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 05:56	1
Fluorene	ND		0.20	0.021	ug/L		07/15/16 09:43	07/20/16 05:56	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 05:56	1
Phenanthrene	ND		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 05:56	1
Pyrene	ND		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 05:56	1
1-Methylnaphthalene	ND		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 05:56	1
2-Methylnaphthalene	ND		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 05:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*104*		*33 - 138*	*07/15/16 09:43*	*07/20/16 05:56*	*1*
2-Fluorobiphenyl	*65*		*15 - 122*	*07/15/16 09:43*	*07/20/16 05:56*	*1*
Nitrobenzene-d5	*67*		*19 - 130*	*07/15/16 09:43*	*07/20/16 05:56*	*1*

Lab Sample ID: LCS 400-314434/2-A
Matrix: Water
Analysis Batch: 314990

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 314434

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	30.0	24.2		ug/L		81	41 - 120
Acenaphthylene	30.0	25.0		ug/L		83	44 - 120
Anthracene	30.0	25.1		ug/L		84	49 - 120
Benzo[a]anthracene	30.0	25.3		ug/L		84	61 - 135
Benzo[a]pyrene	30.0	24.8		ug/L		83	52 - 120
Benzo[b]fluoranthene	30.0	27.0		ug/L		90	53 - 134
Benzo[g,h,i]perylene	30.0	25.4		ug/L		85	47 - 133
Benzo[k]fluoranthene	30.0	23.9		ug/L		80	57 - 134
Chrysene	30.0	25.0		ug/L		83	55 - 122
Dibenz(a,h)anthracene	30.0	24.9		ug/L		83	48 - 146
Fluoranthene	30.0	26.8		ug/L		89	54 - 128
Fluorene	30.0	24.9		ug/L		83	45 - 125
Indeno[1,2,3-cd]pyrene	30.0	24.1		ug/L		80	43 - 142
Phenanthrene	30.0	20.1		ug/L		67	48 - 120
Pyrene	30.0	24.6		ug/L		82	48 - 132
1-Methylnaphthalene	30.0	20.5		ug/L		68	41 - 120
2-Methylnaphthalene	30.0	19.8		ug/L		66	32 - 124

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

Lab Sample ID: LCS 400-314434/2-A
Matrix: Water
Analysis Batch: 314990

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 314434

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Terphenyl-d14	*81*		*33 - 138*
2-Fluorobiphenyl	*75*		*15 - 122*
Nitrobenzene-d5	*63*		*19 - 130*

Lab Sample ID: LCSD 400-314434/3-A
Matrix: Water
Analysis Batch: 314990

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 314434

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	30.0	24.1		ug/L		80	41 - 120	1	56
Acenaphthylene	30.0	24.3		ug/L		81	44 - 120	3	56
Anthracene	30.0	24.4		ug/L		81	49 - 120	3	51
Benzo[a]anthracene	30.0	23.8		ug/L		79	61 - 135	6	49
Benzo[a]pyrene	30.0	24.2		ug/L		81	52 - 120	3	50
Benzo[b]fluoranthene	30.0	26.3		ug/L		88	53 - 134	3	54
Benzo[g,h,i]perylene	30.0	26.7		ug/L		89	47 - 133	5	50
Benzo[k]fluoranthene	30.0	24.0		ug/L		80	57 - 134	0	52
Chrysene	30.0	24.4		ug/L		81	55 - 122	3	50
Dibenz(a,h)anthracene	30.0	25.4		ug/L		85	48 - 146	2	50
Fluoranthene	30.0	26.5		ug/L		88	54 - 128	1	52
Fluorene	30.0	24.1		ug/L		80	45 - 125	3	56
Indeno[1,2,3-cd]pyrene	30.0	24.8		ug/L		83	43 - 142	3	51
Phenanthrene	30.0	20.2		ug/L		67	48 - 120	0	56
Pyrene	30.0	23.8		ug/L		79	48 - 132	3	52
1-Methylnaphthalene	30.0	20.5		ug/L		68	41 - 120	0	55
2-Methylnaphthalene	30.0	20.1		ug/L		67	32 - 124	2	57

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Terphenyl-d14	*83*		*33 - 138*
2-Fluorobiphenyl	*80*		*15 - 122*
Nitrobenzene-d5	*66*		*19 - 130*

Lab Sample ID: 400-124395-A-4-A MS
Matrix: Water
Analysis Batch: 314990

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 314434

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.042	J	30.0	20.0		ug/L		66	35 - 113
Acenaphthylene	ND		30.0	20.0		ug/L		67	41 - 118
Anthracene	ND		30.0	19.6		ug/L		65	45 - 122
Benzo[a]anthracene	ND		30.0	18.6		ug/L		62	55 - 133
Benzo[a]pyrene	ND		30.0	17.3		ug/L		58	50 - 108
Benzo[b]fluoranthene	ND		30.0	19.4		ug/L		65	50 - 128
Benzo[g,h,i]perylene	ND		30.0	19.6		ug/L		65	46 - 133
Benzo[k]fluoranthene	ND		30.0	18.0		ug/L		60	52 - 128
Chrysene	ND		30.0	19.0		ug/L		63	52 - 116
Dibenz(a,h)anthracene	ND		30.0	19.5		ug/L		65	52 - 143
Fluoranthene	ND		30.0	21.6		ug/L		72	32 - 150

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

Lab Sample ID: 400-124395-A-4-A MS
Matrix: Water
Analysis Batch: 314990

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 314434

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluorene	ND		30.0	20.4		ug/L		68	15 - 150
Indeno[1,2,3-cd]pyrene	ND		30.0	18.6		ug/L		62	41 - 141
Phenanthrene	ND		30.0	16.6		ug/L		55	36 - 125
Pyrene	ND		30.0	19.6		ug/L		65	41 - 127
1-Methylnaphthalene	1.1		30.0	20.1		ug/L		63	10 - 150
2-Methylnaphthalene	1.1		30.0	19.0		ug/L		60	10 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Terphenyl-d14	*57*		*33 - 138*
2-Fluorobiphenyl	*61*		*15 - 122*
Nitrobenzene-d5	*59*		*19 - 130*

Lab Sample ID: 400-124395-A-4-B MSD
Matrix: Water
Analysis Batch: 314990

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 314434

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	0.042	J	30.0	21.6		ug/L		72	35 - 113	8	49
Acenaphthylene	ND		30.0	22.0		ug/L		73	41 - 118	10	48
Anthracene	ND		30.0	20.5		ug/L		68	45 - 122	5	56
Benzo[a]anthracene	ND		30.0	19.5		ug/L		65	55 - 133	5	57
Benzo[a]pyrene	ND		30.0	18.1		ug/L		60	50 - 108	4	59
Benzo[b]fluoranthene	ND		30.0	22.1		ug/L		74	50 - 128	13	62
Benzo[g,h,i]perylene	ND		30.0	20.2		ug/L		67	46 - 133	3	58
Benzo[k]fluoranthene	ND		30.0	18.7		ug/L		62	52 - 128	3	58
Chrysene	ND		30.0	20.0		ug/L		67	52 - 116	5	59
Dibenz(a,h)anthracene	ND		30.0	19.8		ug/L		66	52 - 143	2	60
Fluoranthene	ND		30.0	23.0		ug/L		77	32 - 150	6	59
Fluorene	ND		30.0	22.4		ug/L		75	15 - 150	10	49
Indeno[1,2,3-cd]pyrene	ND		30.0	18.7		ug/L		62	41 - 141	1	58
Phenanthrene	ND		30.0	17.8		ug/L		59	36 - 125	7	69
Pyrene	ND		30.0	21.3		ug/L		71	41 - 127	8	58
1-Methylnaphthalene	1.1		30.0	21.8		ug/L		69	10 - 150	8	66
2-Methylnaphthalene	1.1		30.0	21.0		ug/L		66	10 - 150	10	66

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Terphenyl-d14	*54*		*33 - 138*
2-Fluorobiphenyl	*61*		*15 - 122*
Nitrobenzene-d5	*60*		*19 - 130*

Method: 8011 - EDB and DBCP in Water by Microextraction

Lab Sample ID: MB 400-314557/1-A
Matrix: Water
Analysis Batch: 314704

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 314557

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		07/16/16 11:14	07/18/16 09:48	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		07/16/16 11:14	07/18/16 09:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*51 - 149*	*07/16/16 11:14*	*07/18/16 09:48*	*1*

Lab Sample ID: LCS 400-314557/2-A
Matrix: Water
Analysis Batch: 314704

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 314557

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	0.100	0.106		ug/L		106	60 - 140
1,2-Dibromoethane	0.100	0.118		ug/L		118	60 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*105*		*51 - 149*

Lab Sample ID: 400-124395-E-4-A MS
Matrix: Water
Analysis Batch: 314704

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 314557

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	ND		0.102	0.0780		ug/L		76	65 - 135
1,2-Dibromoethane	ND		0.102	0.0812		ug/L		80	65 - 135

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*80*		*51 - 149*

Lab Sample ID: 400-124395-E-4-B MSD
Matrix: Water
Analysis Batch: 314704

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 314557

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		0.0986	0.0856	F2	ug/L		87	65 - 135	23	20
1,2-Dibromoethane	ND		0.0986	0.0992		ug/L		101	65 - 135	20	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*93*		*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 FDG
- ☐ PIPELINE
- ☐ RETAIL
- ☐ CHEMICALS
- ☐ CONSULTANT
- ☐ LUBES
- ☐ TRANSPORTATION
- ☑ OTHER _ENV. SERVICES

Print Bill To Contact Name: Bob Billman

PO #: 60477387 - 1.03.003 / 1.03.0033

PlaNet Site or Project ID: 25278

GSAP Project ID: USPC/00114/R/02

☐ CHECK IF NO INCIDENT # APPLIES

DATE: 11 July 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 - 1.03.003 / 1.03.0033

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

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

PHONE NO:

E-MAIL:

AECOM Other ID

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

SAMPLER NAME(S) (Print): I. Partin / C. Williams

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

REQUESTED ANALYSIS

UNIT COST 60477387 - 1.03.0033

NON-UNIT COST 60477387 - 1.03.003

☐ 1 1A - RWQCB REPORT FORMAT

DELIVERABLES: ☑ 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

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

FIELD NOTES:

TEMPERATURE ON RECEIPT C°: 4.2C 1.2C 2.6C IR5

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
	TB-ROX-071116W-8011	7/11/16	0000	water	2					2	X				
	TB-ROX-071116W-8260	"	0000	"	2					2			X		
	MW13-ROX-071116-EB	"	0945	"	4			2		6	2	1	2	1	
	MW13-ROX-071116	"	1030	"	4			2		6	2	1	2	1	
	MW14-ROX-071116	"	1310	"	4			2		6	2	1	2	1	
	P66-ROX-071116	"	1410	"	4			2		6	2	1	2	1	

400-124310 COC

Did not run 11 July 2016

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]		11 July 2016	1730
	[signature]	7/12/16	10 18

Custody seals: Test America 743266 / 783317 / 783319 743267 / 783318 / 783320

Ref: S400-56442
Dep:

Date: 20Jun16
Wgt: 10.00 LBS

DV:

0.00

SHIPPING: 0.00
SPECIAL: 0.00
HANDLING: 0.00
TOTAL: 0.00

SVGS: PRIORITY OVERNIGHT
TRCK: 6546 8386 3896

Login Sample Receipt Checklist

Client: AECOM Technical Services Inc.

Job Number: 400-124310-1
SDG Number: 60477387 - 1.03.0033

Login Number: 124310
List Number: 1
Creator: Benforado, Jessica L

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	4.2°C , 1.2°C , 2.6°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 (excluding tests with immediate HTs)	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").	False	
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 - 3Q16

TestAmerica Job ID: 400-124310-1
SDG: 60477387 - 1.03.0033

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	06-30-17
Arizona	State Program	9	AZ0710	01-11-17
Arkansas DEQ	State Program	6	88-0689	09-01-16 *
California	ELAP	9	2510	03-31-18
Florida	NELAP	4	E81010	06-30-17
Georgia	State Program	4	N/A	06-30-17
Illinois	NELAP	5	200041	10-09-16
Iowa	State Program	7	367	07-31-16 *
Kansas	NELAP	7	E-10253	10-31-16
Kentucky (UST)	State Program	4	53	06-30-17
Kentucky (WW)	State Program	4	98030	12-31-16
Louisiana	NELAP	6	30976	06-30-17
Maryland	State Program	3	233	09-30-17
Massachusetts	State Program	1	M-FL094	06-30-17
Michigan	State Program	5	9912	05-06-17
New Jersey	NELAP	2	FL006	06-30-17
North Carolina (WW/SW)	State Program	4	314	12-31-16
Oklahoma	State Program	6	9810	08-31-17
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	06-30-17
Texas	NELAP	6	T104704286-15-9	09-30-16
USDA	Federal		P330-16-00172	05-24-19
Virginia	NELAP	3	460166	06-14-17
Washington	State Program	10	C915	05-15-17
West Virginia DEP	State Program	3	136	08-31-16 *

* Certification renewal pending - certification considered valid.

Roxana Groundwater Quarterly – 3rd Quarter 2016 Data Review

Laboratory SDG: 400-124310-1-R1

Data Reviewer: Melissa Mansker

Peer Reviewer: Elizabeth Kunkel

Date Reviewed: 9/13/2016

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

Sample Identification	Sample Identification
TB-ROX-071116W-8011	TB-ROX-071116W-8260
MW13-ROX-071116-EB	MW13-ROX-071116
MW14-ROX-071116	P66-ROX-071116

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, di-n-octyl phthalate was detected in the equipment blank. The laboratory case narrative indicated several SVOC LCS/LCSD recoveries and SVOC LCS/LCSD RPDs were outside evaluation criteria. The SVOC/PAH surrogate recovery for terphenyl-d_{14} was outside criteria in several samples. PAHs in sample P66-ROX-071116 were diluted to bring the concentrations within instrument calibration range. These issues are addressed further in the appropriate sections below. Additionally, the laboratory report was revised to include laboratory QC data which had been inadvertently omitted from the initial laboratory report.

Additionally, the initial calibration verification for bromomethane, and the continuing calibration verification for n-nitrosodimethylamine and benzyl alcohol exceeded evaluation criteria. 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 three coolers was received by the laboratory at a temperature of 1.2°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
MW13-ROX-071116-EB	SVOCs	Di-n-octyl phthalate	0.60 µg/L

Please see section 12.0 of this review for additional qualifications regarding samples associated with di-n-octyl phthalate in equipment blank MW13-ROX-071116-EB.

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 400-314434/4-A/5-A	SVOCs	Benzenethiol	**2/3**	**40**	20-150/30
LCS/LCSD 400-314434/2-A/3-A	SVOCs	Aniline	68/24	**95**	10-145/30
LCS/LCSD 400-314434/2-A/3-A	SVOCs	Dibenz[a,h]acridine	60/**56**	6	60-131/30
LCS/LCSD 400-314434/2-A/3-A	SVOCs	Pyridine	54/**3**	**179**	10-127/30

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 if LCS/LCSD recoveries were within evaluation criteria.

Sample ID	Parameter	Analyte	Qualification
MW13-ROX-071116	SVOCs	Benzenethiol	**UJ**
MW13-ROX-071116	SVOCs	Dibenz[a,h]acridine	**UJ**
MW13-ROX-071116	SVOCs	Pyridine	**UJ**
MW14-ROX-071116	SVOCs	Benzenethiol	**UJ**
MW14-ROX-071116	SVOCs	Dibenz[a,h]acridine	**UJ**
MW14-ROX-071116	SVOCs	Pyridine	**UJ**
P66-ROX-071116	SVOCs	Benzenethiol	**UJ**
P66-ROX-071116	SVOCs	Dibenz[a,h]acridine	**UJ**
P66-ROX-071116	SVOCs	Pyridine	**UJ**

6.0 Surrogate Recoveries

Were surrogate recoveries within evaluation criteria?

No

Sample ID	Parameter	Surrogate	Recovery (%)	Criteria (%)
MW13-ROX-071116	SVOCs	Terphenyl-d_{14}	**39**	53-125
MW14-ROX-071116	SVOCs	Terphenyl-d_{14}	**37**	53-125
P66-ROX-071116	PAHs	Terphenyl-d_{14}	**27**	33-138
P66-ROX-071116	SVOCs	Terphenyl-d_{14}	**30**	53-125

Qualifications due to surrogate recoveries were not required due to only one of three base fraction surrogate recoveries being outside evaluation criteria. 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; analytes were detected in samples requiring dilution.

12.0 Additional Qualifications

Were additional qualifications applied?

Yes, professional judgment was also used to qualify as estimated, however not reject, data that was only associated with di-n-octyl phthalate detection in equipment blank MW13-ROX-071116-EB.

Sample ID	Parameter	Analyte	New Reporting Limit (RL)	Qualification
MW14-ROX-071116	SVOCs	Di-n-octyl phthalate	-	**J**

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: 400-124395-1
TestAmerica SDG: 60477387 - 1.03.003/1.03.0033
Client Project/Site: ROXANA QUARTERLY GW - 3Q16
Revision: 1

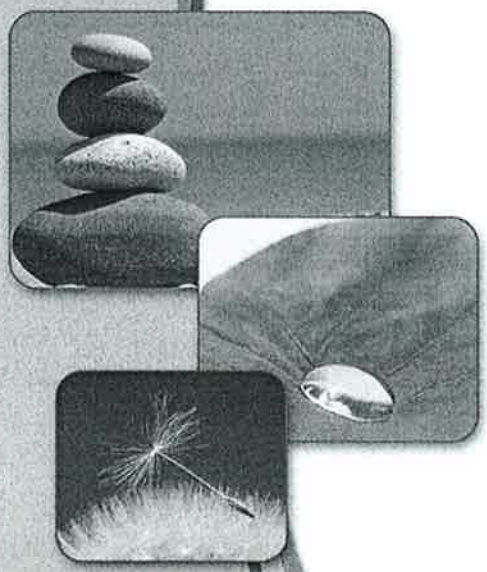
For:
AECOM Technical Services Inc.
1001 Highlands Plaza Dr. West
St. Louis, Missouri 63110

Attn: Mrs. Elizabeth Kunkel

Carolyn S. Hooper

Authorized for release by:
8/8/2016 4:46:12 PM

Carolyn Hooper, Project Manager I
(850)471-6226
carolyn.hooper@testamericainc.com



LINKS

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Reviewed 8/8/2016 LL

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: 400-124395-1

Laboratory: TestAmerica Pensacola

Narrative

Job Narrative
400-124395-1

Receipt
The samples were received on 7/13/2016 8:29 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 4 coolers at receipt time were 0.4°C, 0.4°C, 0.5°C and 2.5°C.

GC/MS VOA
Method 8260B: The following sample was diluted due to the abundance of non-target analytes: P56-ROX-071216 (400-124395-3). Elevated reporting limits (RLs) are provided.

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-315307 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: TB-ROX-071216W-8260 (400-124395-2), P56-ROX-071216 (400-124395-3), P74-ROX-071216 (400-124395-4), P93C-ROX-071216 (400-124395-6) and T12-ROX-071216 (400-124395-7). 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 matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-315486 were outside control limits for 2-Chloroethyl vinyl ether due to the acidic nature of the parent sample.

The continuing calibration verification (CCV) associated with batch 400-315486 recovered above the upper control limit for 2-chloroethyl vinyl ether. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The laboratory control sample (LCS) for analytical batch 400-315486 recovered outside control limits for one analyte. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

The RPD for the matrix spike / matrix spike duplicate (MS/MSD) for 2-Chloroethyl vinyl ether was not calculable for analytical batch 400-315486 because the recoveries were below the reporting limit 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 analytical batch 400-315307 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: P93C-ROX-071216-EB (400-124395-5). 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: The following analytes recovered outside control limits for the LCSD associated with preparation batch 400-314434 and analytical batch 400-314976: Aniline, Pyridine and Dibenz[a,h]acridine. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.

The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for preparation batch 400-314434 and analytical batch 400-314976 recovered outside control limits for the following analyte(s): Phenylmercaptan. Phenylmercaptan has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed.

The continuing calibration verification (CCV) associated with batch 400-314976 recovered above the upper control limit for N-Nitrosodimethylamine, 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, 2,6-Dinitrophenol and 4-Nitroaniline. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: P56-ROX-071216 (400-124395-3), P74-ROX-071216 (400-124395-4), P74-ROX-071216-MS (400-124395-4[MS]), P74-ROX-071216-MSD (400-124395-4[MSD]), P93C-ROX-071216-EB (400-124395-5), P93C-ROX-071216 (400-124395-6) and T12-ROX-071216 (400-124395-7).

Job ID: 400-124395-1 (Continued)

Laboratory: TestAmerica Pensacola (Continued)

The matrix spike/matrix spike duplicate (MS/MSD) recoveries for preparation batch 400-314434 and analytical batch 400-314976 were outside control limits. Sample matrix interference is suspected.

Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base 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: P56-ROX-071216 (400-124395-3). These results have been reported and qualified.

Revision 1
This report has been revised due to the omission of the case narrative in the original report.

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 - 3Q16

TestAmerica Job ID: 400-124395-1
SDG: 60477387 - 1.03.003/1.03.0033

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-124395-1	TB-ROX-071216W-8011	Water	07/12/16 00:00	07/13/16 08:29
400-124395-2	TB-ROX-071216W-8260	Water	07/12/16 00:00	07/13/16 08:29
400-124395-3	P56-ROX-071216	Water	07/12/16 11:30	07/13/16 08:29
400-124395-4	P74-ROX-071216	Water	07/12/16 10:00	07/13/16 08:29
400-124395-5	P93C-ROX-071216-EB	Water	07/12/16 13:05	07/13/16 08:29
400-124395-6	P93C-ROX-071216	Water	07/12/16 14:20	07/13/16 08:29
400-124395-7	T12-ROX-071216	Water	07/12/16 15:30	07/13/16 08:29

Detection Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 3Q16

TestAmerica Job ID: 400-124395-1
SDG: 60477387 - 1.03.003/1.03.0033

Client Sample ID: TB-ROX-071216W-8011 — Lab Sample ID: 400-124395-1

No Detections.

Client Sample ID: TB-ROX-071216W-8260 — Lab Sample ID: 400-124395-2

No Detections.

Client Sample ID: P56-ROX-071216 — Lab Sample ID: 400-124395-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	24		2.0	0.76	ug/L	2		8260B	Total/NA
Ethylbenzene	34		2.0	1.0	ug/L	2		8260B	Total/NA
Isopropylbenzene	32		2.0	1.1	ug/L	2		8260B	Total/NA
m-Xylene & p-Xylene	100		10	3.2	ug/L	2		8260B	Total/NA
Naphthalene	13		2.0	2.0	ug/L	2		8260B	Total/NA
N-Propylbenzene	32		2.0	1.4	ug/L	2		8260B	Total/NA
o-Xylene	3.6	J	10	1.2	ug/L	2		8260B	Total/NA
sec-Butylbenzene	2.1		2.0	1.4	ug/L	2		8260B	Total/NA
Toluene	11		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	11		2.0	1.1	ug/L	2		8260B	Total/NA
Xylenes, Total	110		20	3.2	ug/L	2		8260B	Total/NA
Acenaphthene	0.26		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
Fluorene	0.19	J	0.20	0.021	ug/L	1		8270D LL	Total/NA
Phenanthrene	0.53		0.20	0.020	ug/L	1		8270D LL	Total/NA
1-Methylnaphthalene	11		0.20	0.020	ug/L	1		8270D LL	Total/NA
2-Methylnaphthalene	11		0.20	0.020	ug/L	1		8270D LL	Total/NA
Bis(2-ethylhexyl) phthalate	2.3	J	10	2.3	ug/L	1		8270D	Total/NA
Di-n-octyl phthalate	0.93	J	10	0.44	ug/L	1		8270D	Total/NA

Client Sample ID: P74-ROX-071216 — Lab Sample ID: 400-124395-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	23		1.0	0.38	ug/L	1		8260B	Total/NA
Ethylbenzene	2.1		1.0	0.50	ug/L	1		8260B	Total/NA
m-Xylene & p-Xylene	6.9		5.0	1.6	ug/L	1		8260B	Total/NA
Naphthalene	1.8		1.0	1.0	ug/L	1		8260B	Total/NA
o-Xylene	0.89	J	5.0	0.60	ug/L	1		8260B	Total/NA
Toluene	1.3		1.0	0.70	ug/L	1		8260B	Total/NA
1,2,4-Trimethylbenzene	16		1.0	0.82	ug/L	1		8260B	Total/NA
1,3,5-Trimethylbenzene	9.8		1.0	0.56	ug/L	1		8260B	Total/NA
Xylenes, Total	7.8	J	10	1.6	ug/L	1		8260B	Total/NA
Acenaphthene	0.042	J	0.20	0.020	ug/L	1		8270D LL	Total/NA
1-Methylnaphthalene	1.1		0.20	0.020	ug/L	1		8270D LL	Total/NA
2-Methylnaphthalene	1.1		0.20	0.020	ug/L	1		8270D LL	Total/NA

Client Sample ID: P93C-ROX-071216-EB — Lab Sample ID: 400-124395-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	0.046	J	0.20	0.040	ug/L	1		8270D LL	Total/NA
Benzo[b]fluoranthene	0.056	J	0.20	0.040	ug/L	1		8270D LL	Total/NA
Benzo[k]fluoranthene	0.040	J	0.20	0.040	ug/L	1		8270D LL	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: P93C-ROX-071216-EB (Continued)

Lab Sample ID: 400-124395-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluoranthene	0.028	J	0.20	0.020	ug/L	1		8270D LL	Total/NA
Di-n-octyl phthalate	1.0	J	10	0.44	ug/L	1		8270D	Total/NA

Client Sample ID: P93C-ROX-071216

Lab Sample ID: 400-124395-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	16	J	25	10	ug/L	1		8260B	Total/NA
Methyl tert-butyl ether	2.9		1.0	0.74	ug/L	1		8260B	Total/NA
Benzo[g,h,i]perylene	0.040	J	0.20	0.040	ug/L	1		8270D LL	Total/NA
Dibenz(a,h)anthracene	0.048	J	0.20	0.040	ug/L	1		8270D LL	Total/NA
Indeno[1,2,3-cd]pyrene	0.044	J	0.20	0.040	ug/L	1		8270D LL	Total/NA
1-Methylnaphthalene	0.055	J	0.20	0.020	ug/L	1		8270D LL	Total/NA
2-Methylnaphthalene	0.053	J	0.20	0.020	ug/L	1		8270D LL	Total/NA
Di-n-octyl phthalate	0.53	J	10	0.44	ug/L	1		8270D	Total/NA

Client Sample ID: T12-ROX-071216

Lab Sample ID: 400-124395-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1600		10	3.8	ug/L	10		8260B	Total/NA
Ethylbenzene	150		10	5.0	ug/L	10		8260B	Total/NA
Isopropylbenzene	26		10	5.3	ug/L	10		8260B	Total/NA
m-Xylene & p-Xylene	160		50	16	ug/L	10		8260B	Total/NA
Naphthalene	58		10	10	ug/L	10		8260B	Total/NA
N-Propylbenzene	40		10	6.9	ug/L	10		8260B	Total/NA
o-Xylene	7.9	J	50	6.0	ug/L	10		8260B	Total/NA
Toluene	64		10	7.0	ug/L	10		8260B	Total/NA
1,2,4-Trimethylbenzene	51		10	8.2	ug/L	10		8260B	Total/NA
1,3,5-Trimethylbenzene	11		10	5.6	ug/L	10		8260B	Total/NA
Xylenes, Total	160		100	16	ug/L	10		8260B	Total/NA
Acenaphthene	0.35		0.20	0.020	ug/L	1		8270D LL	Total/NA
Acenaphthylene	0.053	J	0.20	0.020	ug/L	1		8270D LL	Total/NA
Anthracene	0.083	J	0.20	0.020	ug/L	1		8270D LL	Total/NA
Fluorene	0.22		0.20	0.021	ug/L	1		8270D LL	Total/NA
Pyrene	0.048	J	0.20	0.020	ug/L	1		8270D LL	Total/NA
1-Methylnaphthalene	7.2		0.20	0.020	ug/L	1		8270D LL	Total/NA
2-Methylnaphthalene	2.0		0.20	0.020	ug/L	1		8270D LL	Total/NA
Di-n-octyl phthalate	0.76	J	10	0.44	ug/L	1		8270D	Total/NA
Phenol	38		10	2.6	ug/L	1		8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: TB-ROX-071216W-8011
Lab Sample ID: 400-124395-1

Date Collected: 07/12/16 00:00
Matrix: Water

Date Received: 07/13/16 08:29

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		07/16/16 11:14	07/18/16 18:17	1
1,2-Dibromoethane	ND		0.021	0.0052	ug/L		07/16/16 11:14	07/18/16 18:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*51 - 149*	*07/16/16 11:14*	*07/18/16 18:17*	*1*

Client Sample ID: TB-ROX-071216W-8260
Date Collected: 07/12/16 00:00
Date Received: 07/13/16 08:29

Lab Sample ID: 400-124395-2
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			07/22/16 08:21	1
Acrolein	ND		20	10	ug/L			07/22/16 08:21	1
Acrylonitrile	ND		10	2.8	ug/L			07/22/16 08:21	1
Benzene	ND		1.0	0.38	ug/L			07/22/16 08:21	1
Bromobenzene	ND		1.0	0.54	ug/L			07/22/16 08:21	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/22/16 08:21	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/22/16 08:21	1
Bromoform	ND		5.0	0.71	ug/L			07/22/16 08:21	1
Bromomethane	ND		1.0	0.98	ug/L			07/22/16 08:21	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/22/16 08:21	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/22/16 08:21	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			07/22/16 08:21	1
Chlorobenzene	ND		1.0	0.50	ug/L			07/22/16 08:21	1
Dibromochloromethane	ND		1.0	0.50	ug/L			07/22/16 08:21	1
Chloroethane	ND		1.0	0.76	ug/L			07/22/16 08:21	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/22/16 08:21	1
Chloroform	ND		1.0	0.60	ug/L			07/22/16 08:21	1
1-Chlorohexane	ND		1.0	0.70	ug/L			07/22/16 08:21	1
Chloromethane	ND		1.0	0.83	ug/L			07/22/16 08:21	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/22/16 08:21	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/22/16 08:21	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/22/16 08:21	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/22/16 08:21	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/22/16 08:21	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/22/16 08:21	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/22/16 08:21	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			07/22/16 08:21	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/22/16 08:21	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/22/16 08:21	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/22/16 08:21	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/22/16 08:21	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			07/22/16 08:21	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/22/16 08:21	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/22/16 08:21	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/22/16 08:21	1
2-Hexanone	ND		25	3.1	ug/L			07/22/16 08:21	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/22/16 08:21	1
Methylene bromide	ND		5.0	0.59	ug/L			07/22/16 08:21	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/22/16 08:21	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/22/16 08:21	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			07/22/16 08:21	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			07/22/16 08:21	1
Naphthalene	ND		1.0	1.0	ug/L			07/22/16 08:21	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/22/16 08:21	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/22/16 08:21	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/22/16 08:21	1
o-Xylene	ND		5.0	0.60	ug/L			07/22/16 08:21	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/22/16 08:21	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/22/16 08:21	1

Client Sample ID: TB-ROX-071216W-8260

Lab Sample ID: 400-124395-2

Date Collected: 07/12/16 00:00
Matrix: Water
Date Received: 07/13/16 08:29

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			07/22/16 08:21	1
Styrene	ND		1.0	1.0	ug/L			07/22/16 08:21	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/22/16 08:21	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			07/22/16 08:21	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/22/16 08:21	1
Tetrachloroethene	ND		1.0	0.58	ug/L			07/22/16 08:21	1
Toluene	ND		1.0	0.70	ug/L			07/22/16 08:21	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/22/16 08:21	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/22/16 08:21	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			07/22/16 08:21	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/22/16 08:21	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			07/22/16 08:21	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			07/22/16 08:21	1
Trichloroethene	ND		1.0	0.50	ug/L			07/22/16 08:21	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			07/22/16 08:21	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/22/16 08:21	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/22/16 08:21	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/22/16 08:21	1
Vinyl acetate	ND		25	2.0	ug/L			07/22/16 08:21	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/22/16 08:21	1
Xylenes, Total	ND		10	1.6	ug/L			07/22/16 08:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*78 - 118*		*07/22/16 08:21*	*1*
Dibromofluoromethane	*106*		*81 - 121*		*07/22/16 08:21*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*07/22/16 08:21*	*1*

Client Sample ID: P56-ROX-071216
Date Collected: 07/12/16 11:30
Date Received: 07/13/16 08:29

Lab Sample ID: 400-124395-3
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			07/22/16 11:59	2
Acrolein	ND		40	20	ug/L			07/22/16 11:59	2
Acrylonitrile	ND		20	5.6	ug/L			07/22/16 11:59	2
Benzene	**24**		2.0	0.76	ug/L			07/22/16 11:59	2
Bromobenzene	ND		2.0	1.1	ug/L			07/22/16 11:59	2
Bromochloromethane	ND		2.0	1.0	ug/L			07/22/16 11:59	2
Bromodichloromethane	ND		2.0	1.0	ug/L			07/22/16 11:59	2
Bromoform	ND		10	1.4	ug/L			07/22/16 11:59	2
Bromomethane	ND		2.0	2.0	ug/L			07/22/16 11:59	2
2-Butanone (MEK)	ND		50	5.2	ug/L			07/22/16 11:59	2
Carbon disulfide	ND		2.0	1.0	ug/L			07/22/16 11:59	2
Carbon tetrachloride	ND		2.0	1.0	ug/L			07/22/16 11:59	2
Chlorobenzene	ND		2.0	1.0	ug/L			07/22/16 11:59	2
Dibromochloromethane	ND		2.0	1.0	ug/L			07/22/16 11:59	2
Chloroethane	ND		2.0	1.5	ug/L			07/22/16 11:59	2
2-Chloroethyl vinyl ether	ND		10	4.0	ug/L			07/22/16 11:59	2
Chloroform	ND		2.0	1.2	ug/L			07/22/16 11:59	2
1-Chlorohexane	ND		2.0	1.4	ug/L			07/22/16 11:59	2
Chloromethane	ND		2.0	1.7	ug/L			07/22/16 11:59	2
cis-1,2-Dichloroethene	ND		2.0	1.0	ug/L			07/22/16 11:59	2
cis-1,3-Dichloropropene	ND		10	1.0	ug/L			07/22/16 11:59	2
1,2-Dichlorobenzene	ND		2.0	1.0	ug/L			07/22/16 11:59	2
1,3-Dichlorobenzene	ND		2.0	1.1	ug/L			07/22/16 11:59	2
1,4-Dichlorobenzene	ND		2.0	1.3	ug/L			07/22/16 11:59	2
Dichlorodifluoromethane	ND		2.0	1.7	ug/L			07/22/16 11:59	2
1,1-Dichloroethane	ND		2.0	1.0	ug/L			07/22/16 11:59	2
1,2-Dichloroethane	ND		2.0	1.0	ug/L			07/22/16 11:59	2
1,1-Dichloroethene	ND		2.0	1.0	ug/L			07/22/16 11:59	2
1,2-Dichloropropane	ND		2.0	1.0	ug/L			07/22/16 11:59	2
1,3-Dichloropropane	ND		2.0	1.0	ug/L			07/22/16 11:59	2
2,2-Dichloropropane	ND		2.0	1.0	ug/L			07/22/16 11:59	2
1,1-Dichloropropene	ND		2.0	1.0	ug/L			07/22/16 11:59	2
Ethylbenzene	**34**		2.0	1.0	ug/L			07/22/16 11:59	2
Ethyl methacrylate	ND		2.0	1.2	ug/L			07/22/16 11:59	2
Hexachlorobutadiene	ND		10	1.8	ug/L			07/22/16 11:59	2
2-Hexanone	ND		50	6.2	ug/L			07/22/16 11:59	2
Isopropylbenzene	**32**		2.0	1.1	ug/L			07/22/16 11:59	2
Methylene bromide	ND		10	1.2	ug/L			07/22/16 11:59	2
Methylene Chloride	ND		10	6.0	ug/L			07/22/16 11:59	2
4-Methyl-2-pentanone (MIBK)	ND		50	3.6	ug/L			07/22/16 11:59	2
Methyl tert-butyl ether	ND		2.0	1.5	ug/L			07/22/16 11:59	2
m-Xylene & p-Xylene	**100**		10	3.2	ug/L			07/22/16 11:59	2
Naphthalene	**13**		2.0	2.0	ug/L			07/22/16 11:59	2
n-Butylbenzene	ND		2.0	1.5	ug/L			07/22/16 11:59	2
N-Propylbenzene	**32**		2.0	1.4	ug/L			07/22/16 11:59	2
o-Chlorotoluene	ND		2.0	1.1	ug/L			07/22/16 11:59	2
o-Xylene	**3.6**	J	10	1.2	ug/L			07/22/16 11:59	2
p-Chlorotoluene	ND		2.0	1.1	ug/L			07/22/16 11:59	2
p-Isopropyltoluene	ND		2.0	1.4	ug/L			07/22/16 11:59	2

Client Sample ID: P56-ROX-071216
Date Collected: 07/12/16 11:30
Date Received: 07/13/16 08:29

Lab Sample ID: 400-124395-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	2.1		2.0	1.4	ug/L			07/22/16 11:59	2
Styrene	ND		2.0	2.0	ug/L			07/22/16 11:59	2
tert-Butylbenzene	ND		2.0	1.3	ug/L			07/22/16 11:59	2
1,1,1,2-Tetrachloroethane	ND		2.0	1.0	ug/L			07/22/16 11:59	2
1,1,2,2-Tetrachloroethane	ND		2.0	1.0	ug/L			07/22/16 11:59	2
Tetrachloroethene	ND		2.0	1.2	ug/L			07/22/16 11:59	2
Toluene	11		2.0	1.4	ug/L			07/22/16 11:59	2
trans-1,2-Dichloroethene	ND		2.0	1.0	ug/L			07/22/16 11:59	2
trans-1,3-Dichloropropene	ND		10	1.0	ug/L			07/22/16 11:59	2
1,2,3-Trichlorobenzene	ND		2.0	1.4	ug/L			07/22/16 11:59	2
1,2,4-Trichlorobenzene	ND		2.0	1.6	ug/L			07/22/16 11:59	2
1,1,1-Trichloroethane	ND		2.0	1.0	ug/L			07/22/16 11:59	2
1,1,2-Trichloroethane	ND		10	1.0	ug/L			07/22/16 11:59	2
Trichloroethene	ND		2.0	1.0	ug/L			07/22/16 11:59	2
Trichlorofluoromethane	ND		2.0	1.0	ug/L			07/22/16 11:59	2
1,2,3-Trichloropropane	ND		10	1.7	ug/L			07/22/16 11:59	2
1,2,4-Trimethylbenzene	37		2.0	1.6	ug/L			07/22/16 11:59	2
1,3,5-Trimethylbenzene	11		2.0	1.1	ug/L			07/22/16 11:59	2
Vinyl acetate	ND		50	4.0	ug/L			07/22/16 11:59	2
Vinyl chloride	ND		2.0	1.0	ug/L			07/22/16 11:59	2
Xylenes, Total	110		20	3.2	ug/L			07/22/16 11:59	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*78 - 118*		*07/22/16 11:59*	*2*
Dibromofluoromethane	*95*		*81 - 121*		*07/22/16 11:59*	*2*
Toluene-d8 (Surr)	*87*		*80 - 120*		*07/22/16 11:59*	*2*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.26		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 08:29	1
Acenaphthylene	ND		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 08:29	1
Anthracene	0.067	J	0.20	0.020	ug/L		07/15/16 09:43	07/20/16 08:29	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 08:29	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 08:29	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 08:29	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 08:29	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 08:29	1
Chrysene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 08:29	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 08:29	1
Fluoranthene	ND		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 08:29	1
Fluorene	0.19	J	0.20	0.021	ug/L		07/15/16 09:43	07/20/16 08:29	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 08:29	1
Phenanthrene	0.53		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 08:29	1
Pyrene	ND		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 08:29	1
1-Methylnaphthalene	11		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 08:29	1
2-Methylnaphthalene	11		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 08:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*34*		*33 - 138*	*07/15/16 09:43*	*07/20/16 08:29*	*1*
2-Fluorobiphenyl	*55*		*15 - 122*	*07/15/16 09:43*	*07/20/16 08:29*	*1*

Client Sample ID: P56-ROX-071216
Date Collected: 07/12/16 11:30
Date Received: 07/13/16 08:29

Lab Sample ID: 400-124395-3
Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	53		19 - 130	07/15/16 09:43	07/20/16 08:29	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		07/15/16 09:43	07/20/16 18:26	1
Benzenethiol	ND	* UJ	10	1.7	ug/L		07/15/16 09:43	07/20/16 18:26	1
Benzoic acid	ND		30	7.3	ug/L		07/15/16 09:43	07/20/16 18:26	1
Benzyl alcohol	ND		10	2.0	ug/L		07/15/16 09:43	07/20/16 18:26	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		07/15/16 09:43	07/20/16 18:26	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		07/15/16 09:43	07/20/16 18:26	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		07/15/16 09:43	07/20/16 18:26	1
Bis(2-ethylhexyl) phthalate	2.3	J	10	2.3	ug/L		07/15/16 09:43	07/20/16 18:26	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		07/15/16 09:43	07/20/16 18:26	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		07/15/16 09:43	07/20/16 18:26	1
4-Chloroaniline	ND		10	3.4	ug/L		07/15/16 09:43	07/20/16 18:26	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		07/15/16 09:43	07/20/16 18:26	1
2-Chloronaphthalene	ND		10	0.52	ug/L		07/15/16 09:43	07/20/16 18:26	1
2-Chlorophenol	ND		10	2.2	ug/L		07/15/16 09:43	07/20/16 18:26	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		07/15/16 09:43	07/20/16 18:26	1
Dibenz[a,h]acridine	ND	* UJ	10	3.0	ug/L		07/15/16 09:43	07/20/16 18:26	1
Dibenzofuran	ND		10	0.52	ug/L		07/15/16 09:43	07/20/16 18:26	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		07/15/16 09:43	07/20/16 18:26	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		07/15/16 09:43	07/20/16 18:26	1
Diethyl phthalate	ND		10	0.70	ug/L		07/15/16 09:43	07/20/16 18:26	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		07/15/16 09:43	07/20/16 18:26	1
Dimethyl phthalate	ND		10	0.60	ug/L		07/15/16 09:43	07/20/16 18:26	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		07/15/16 09:43	07/20/16 18:26	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/15/16 09:43	07/20/16 18:26	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		07/15/16 09:43	07/20/16 18:26	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		07/15/16 09:43	07/20/16 18:26	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		07/15/16 09:43	07/20/16 18:26	1
Di-n-octyl phthalate	0.93	J J	10	0.44	ug/L		07/15/16 09:43	07/20/16 18:26	1
1,4-Dioxane	ND		10	1.0	ug/L		07/15/16 09:43	07/20/16 18:26	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		07/15/16 09:43	07/20/16 18:26	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/15/16 09:43	07/20/16 18:26	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		07/15/16 09:43	07/20/16 18:26	1
Hexachloroethane	ND		10	4.2	ug/L		07/15/16 09:43	07/20/16 18:26	1
Indene	ND		10	1.0	ug/L		07/15/16 09:43	07/20/16 18:26	1
Isophorone	ND		10	0.57	ug/L		07/15/16 09:43	07/20/16 18:26	1
2-Methylphenol	ND		10	1.8	ug/L		07/15/16 09:43	07/20/16 18:26	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		07/15/16 09:43	07/20/16 18:26	1
2-Nitroaniline	ND		10	2.2	ug/L		07/15/16 09:43	07/20/16 18:26	1
3-Nitroaniline	ND		10	1.8	ug/L		07/15/16 09:43	07/20/16 18:26	1
4-Nitroaniline	ND		10	2.5	ug/L		07/15/16 09:43	07/20/16 18:26	1
Nitrobenzene	ND		10	0.55	ug/L		07/15/16 09:43	07/20/16 18:26	1
2-Nitrophenol	ND		10	0.65	ug/L		07/15/16 09:43	07/20/16 18:26	1
4-Nitrophenol	ND		10	2.1	ug/L		07/15/16 09:43	07/20/16 18:26	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		07/15/16 09:43	07/20/16 18:26	1

Client Sample ID: P56-ROX-071216
Date Collected: 07/12/16 11:30
Date Received: 07/13/16 08:29

Lab Sample ID: 400-124395-3
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		07/15/16 09:43	07/20/16 18:26	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		07/15/16 09:43	07/20/16 18:26	1
Pentachlorophenol	ND		20	1.8	ug/L		07/15/16 09:43	07/20/16 18:26	1
Phenol	ND		10	2.6	ug/L		07/15/16 09:43	07/20/16 18:26	1
Pyridine	ND	* UJ	10	3.2	ug/L		07/15/16 09:43	07/20/16 18:26	1
Quinoline	ND		10	6.0	ug/L		07/15/16 09:43	07/20/16 18:26	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		07/15/16 09:43	07/20/16 18:26	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		07/15/16 09:43	07/20/16 18:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*58*		*34 - 120*	*07/15/16 09:43*	*07/20/16 18:26*	*1*
2-Fluorophenol	*43*		*10 - 120*	*07/15/16 09:43*	*07/20/16 18:26*	*1*
Nitrobenzene-d5	*59*		*27 - 120*	*07/15/16 09:43*	*07/20/16 18:26*	*1*
Phenol-d5	*53*		*10 - 120*	*07/15/16 09:43*	*07/20/16 18:26*	*1*
Terphenyl-d14	*40*	X	*53 - 125*	*07/15/16 09:43*	*07/20/16 18:26*	*1*
2,4,6-Tribromophenol	*81*		*15 - 135*	*07/15/16 09:43*	*07/20/16 18:26*	*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		07/16/16 11:14	07/18/16 18:47	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		07/16/16 11:14	07/18/16 18:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*79*		*51 - 149*	*07/16/16 11:14*	*07/18/16 18:47*	*1*

Client Sample ID: P74-ROX-071216

Lab Sample ID: 400-124395-4

Date Collected: 07/12/16 10:00
Date Received: 07/13/16 08:29

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			07/22/16 09:34	1
Acrolein	ND		20	10	ug/L			07/22/16 09:34	1
Acrylonitrile	ND		10	2.8	ug/L			07/22/16 09:34	1
Benzene	**23**		1.0	0.38	ug/L			07/22/16 09:34	1
Bromobenzene	ND		1.0	0.54	ug/L			07/22/16 09:34	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/22/16 09:34	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/22/16 09:34	1
Bromoform	ND		5.0	0.71	ug/L			07/22/16 09:34	1
Bromomethane	ND		1.0	0.98	ug/L			07/22/16 09:34	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/22/16 09:34	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/22/16 09:34	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			07/22/16 09:34	1
Chlorobenzene	ND		1.0	0.50	ug/L			07/22/16 09:34	1
Dibromochloromethane	ND		1.0	0.50	ug/L			07/22/16 09:34	1
Chloroethane	ND		1.0	0.76	ug/L			07/22/16 09:34	1
2-Chloroethyl vinyl ether	ND	F1	5.0	2.0	ug/L			07/22/16 09:34	1
Chloroform	ND		1.0	0.60	ug/L			07/22/16 09:34	1
1-Chlorohexane	ND		1.0	0.70	ug/L			07/22/16 09:34	1
Chloromethane	ND		1.0	0.83	ug/L			07/22/16 09:34	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/22/16 09:34	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/22/16 09:34	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/22/16 09:34	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/22/16 09:34	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/22/16 09:34	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/22/16 09:34	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/22/16 09:34	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			07/22/16 09:34	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/22/16 09:34	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/22/16 09:34	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/22/16 09:34	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/22/16 09:34	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			07/22/16 09:34	1
Ethylbenzene	**2.1**		1.0	0.50	ug/L			07/22/16 09:34	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/22/16 09:34	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/22/16 09:34	1
2-Hexanone	ND		25	3.1	ug/L			07/22/16 09:34	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/22/16 09:34	1
Methylene bromide	ND		5.0	0.59	ug/L			07/22/16 09:34	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/22/16 09:34	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/22/16 09:34	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			07/22/16 09:34	1
m-Xylene & p-Xylene	**6.9**		5.0	1.6	ug/L			07/22/16 09:34	1
Naphthalene	**1.8**		1.0	1.0	ug/L			07/22/16 09:34	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/22/16 09:34	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/22/16 09:34	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/22/16 09:34	1
o-Xylene	**0.89**	J	5.0	0.60	ug/L			07/22/16 09:34	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/22/16 09:34	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/22/16 09:34	1

Client Sample ID: P74-ROX-071216
Date Collected: 07/12/16 10:00
Date Received: 07/13/16 08:29

Lab Sample ID: 400-124395-4
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			07/22/16 09:34	1
Styrene	ND		1.0	1.0	ug/L			07/22/16 09:34	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/22/16 09:34	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			07/22/16 09:34	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/22/16 09:34	1
Tetrachloroethene	ND		1.0	0.58	ug/L			07/22/16 09:34	1
Toluene	**1.3**		1.0	0.70	ug/L			07/22/16 09:34	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/22/16 09:34	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/22/16 09:34	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			07/22/16 09:34	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/22/16 09:34	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			07/22/16 09:34	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			07/22/16 09:34	1
Trichloroethene	ND		1.0	0.50	ug/L			07/22/16 09:34	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			07/22/16 09:34	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/22/16 09:34	1
1,2,4-Trimethylbenzene	**16**		1.0	0.82	ug/L			07/22/16 09:34	1
1,3,5-Trimethylbenzene	**9.8**		1.0	0.56	ug/L			07/22/16 09:34	1
Vinyl acetate	ND		25	2.0	ug/L			07/22/16 09:34	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/22/16 09:34	1
Xylenes, Total	**7.8**	J	10	1.6	ug/L			07/22/16 09:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*78 - 118*		*07/22/16 09:34*	*1*
Dibromofluoromethane	*104*		*81 - 121*		*07/22/16 09:34*	*1*
Toluene-d8 (Surr)	*88*		*80 - 120*		*07/22/16 09:34*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.042**	J	0.20	0.020	ug/L		07/15/16 09:43	07/20/16 08:04	1
Acenaphthylene	ND		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 08:04	1
Anthracene	ND		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 08:04	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 08:04	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 08:04	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 08:04	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 08:04	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 08:04	1
Chrysene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 08:04	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 08:04	1
Fluoranthene	ND		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 08:04	1
Fluorene	ND		0.20	0.021	ug/L		07/15/16 09:43	07/20/16 08:04	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 08:04	1
Phenanthrene	ND		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 08:04	1
Pyrene	ND		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 08:04	1
1-Methylnaphthalene	**1.1**		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 08:04	1
2-Methylnaphthalene	**1.1**		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 08:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*67*		*33 - 138*	*07/15/16 09:43*	*07/20/16 08:04*	*1*
2-Fluorobiphenyl	*61*		*15 - 122*	*07/15/16 09:43*	*07/20/16 08:04*	*1*

Client Sample ID: P74-ROX-071216
Date Collected: 07/12/16 10:00
Date Received: 07/13/16 08:29

Lab Sample ID: 400-124395-4
Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*62*		*19 - 130*	*07/15/16 09:43*	*07/20/16 08:04*	*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		07/15/16 09:43	07/20/16 17:52	1
Benzenethiol	ND	* UJ	10	1.7	ug/L		07/15/16 09:43	07/20/16 17:52	1
Benzoic acid	ND		30	7.3	ug/L		07/15/16 09:43	07/20/16 17:52	1
Benzyl alcohol	ND		10	2.0	ug/L		07/15/16 09:43	07/20/16 17:52	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		07/15/16 09:43	07/20/16 17:52	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		07/15/16 09:43	07/20/16 17:52	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		07/15/16 09:43	07/20/16 17:52	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		07/15/16 09:43	07/20/16 17:52	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		07/15/16 09:43	07/20/16 17:52	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		07/15/16 09:43	07/20/16 17:52	1
4-Chloroaniline	ND		10	3.4	ug/L		07/15/16 09:43	07/20/16 17:52	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		07/15/16 09:43	07/20/16 17:52	1
2-Chloronaphthalene	ND		10	0.52	ug/L		07/15/16 09:43	07/20/16 17:52	1
2-Chlorophenol	ND		10	2.2	ug/L		07/15/16 09:43	07/20/16 17:52	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		07/15/16 09:43	07/20/16 17:52	1
Dibenz[a,h]acridine	ND	* UJ	10	3.0	ug/L		07/15/16 09:43	07/20/16 17:52	1
Dibenzofuran	ND		10	0.52	ug/L		07/15/16 09:43	07/20/16 17:52	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		07/15/16 09:43	07/20/16 17:52	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		07/15/16 09:43	07/20/16 17:52	1
Diethyl phthalate	ND		10	0.70	ug/L		07/15/16 09:43	07/20/16 17:52	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		07/15/16 09:43	07/20/16 17:52	1
Dimethyl phthalate	ND		10	0.60	ug/L		07/15/16 09:43	07/20/16 17:52	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		07/15/16 09:43	07/20/16 17:52	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/15/16 09:43	07/20/16 17:52	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		07/15/16 09:43	07/20/16 17:52	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		07/15/16 09:43	07/20/16 17:52	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		07/15/16 09:43	07/20/16 17:52	1
Di-n-octyl phthalate	ND		10	0.44	ug/L		07/15/16 09:43	07/20/16 17:52	1
1,4-Dioxane	ND		10	1.0	ug/L		07/15/16 09:43	07/20/16 17:52	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		07/15/16 09:43	07/20/16 17:52	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/15/16 09:43	07/20/16 17:52	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		07/15/16 09:43	07/20/16 17:52	1
Hexachloroethane	ND		10	4.2	ug/L		07/15/16 09:43	07/20/16 17:52	1
Indene	ND		10	1.0	ug/L		07/15/16 09:43	07/20/16 17:52	1
Isophorone	ND		10	0.57	ug/L		07/15/16 09:43	07/20/16 17:52	1
2-Methylphenol	ND		10	1.8	ug/L		07/15/16 09:43	07/20/16 17:52	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		07/15/16 09:43	07/20/16 17:52	1
2-Nitroaniline	ND		10	2.2	ug/L		07/15/16 09:43	07/20/16 17:52	1
3-Nitroaniline	ND		10	1.8	ug/L		07/15/16 09:43	07/20/16 17:52	1
4-Nitroaniline	ND		10	2.5	ug/L		07/15/16 09:43	07/20/16 17:52	1
Nitrobenzene	ND		10	0.55	ug/L		07/15/16 09:43	07/20/16 17:52	1
2-Nitrophenol	ND		10	0.65	ug/L		07/15/16 09:43	07/20/16 17:52	1
4-Nitrophenol	ND		10	2.1	ug/L		07/15/16 09:43	07/20/16 17:52	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		07/15/16 09:43	07/20/16 17:52	1

Client Sample ID: P74-ROX-071216
Date Collected: 07/12/16 10:00
Date Received: 07/13/16 08:29

Lab Sample ID: 400-124395-4
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		07/15/16 09:43	07/20/16 17:52	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		07/15/16 09:43	07/20/16 17:52	1
Pentachlorophenol	ND		20	1.8	ug/L		07/15/16 09:43	07/20/16 17:52	1
Phenol	ND		10	2.6	ug/L		07/15/16 09:43	07/20/16 17:52	1
Pyridine	ND	* F1 UJ	10	3.2	ug/L		07/15/16 09:43	07/20/16 17:52	1
Quinoline	ND		10	6.0	ug/L		07/15/16 09:43	07/20/16 17:52	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		07/15/16 09:43	07/20/16 17:52	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		07/15/16 09:43	07/20/16 17:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*63*		*34 - 120*	*07/15/16 09:43*	*07/20/16 17:52*	*1*
2-Fluorophenol	*57*		*10 - 120*	*07/15/16 09:43*	*07/20/16 17:52*	*1*
Nitrobenzene-d5	*66*		*27 - 120*	*07/15/16 09:43*	*07/20/16 17:52*	*1*
Phenol-d5	*60*		*10 - 120*	*07/15/16 09:43*	*07/20/16 17:52*	*1*
Terphenyl-d14	*59*		*53 - 125*	*07/15/16 09:43*	*07/20/16 17:52*	*1*
2,4,6-Tribromophenol	*84*		*15 - 135*	*07/15/16 09:43*	*07/20/16 17:52*	*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		0.029	0.0054	ug/L		07/16/16 11:14	07/18/16 19:17	1
1,2-Dibromoethane	ND		0.019	0.0049	ug/L		07/16/16 11:14	07/18/16 19:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*81*		*51 - 149*	*07/16/16 11:14*	*07/18/16 19:17*	*1*

Client Sample ID: P93C-ROX-071216-EB

Lab Sample ID: 400-124395-5

Date Collected: 07/12/16 13:05
Date Received: 07/13/16 08:29

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			07/23/16 17:31	1
Acrolein	ND		20	10	ug/L			07/23/16 17:31	1
Acrylonitrile	ND		10	2.8	ug/L			07/23/16 17:31	1
Benzene	ND		1.0	0.38	ug/L			07/23/16 17:31	1
Bromobenzene	ND		1.0	0.54	ug/L			07/23/16 17:31	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/23/16 17:31	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/23/16 17:31	1
Bromoform	ND		5.0	0.71	ug/L			07/23/16 17:31	1
Bromomethane	ND		1.0	0.98	ug/L			07/23/16 17:31	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/23/16 17:31	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/23/16 17:31	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			07/23/16 17:31	1
Chlorobenzene	ND		1.0	0.50	ug/L			07/23/16 17:31	1
Dibromochloromethane	ND		1.0	0.50	ug/L			07/23/16 17:31	1
Chloroethane	ND		1.0	0.76	ug/L			07/23/16 17:31	1
2-Chloroethyl vinyl ether	ND	*	5.0	2.0	ug/L			07/23/16 17:31	1
Chloroform	ND		1.0	0.60	ug/L			07/23/16 17:31	1
1-Chlorohexane	ND		1.0	0.70	ug/L			07/23/16 17:31	1
Chloromethane	ND		1.0	0.83	ug/L			07/23/16 17:31	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/23/16 17:31	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/23/16 17:31	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/23/16 17:31	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/23/16 17:31	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/23/16 17:31	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/23/16 17:31	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/23/16 17:31	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			07/23/16 17:31	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/23/16 17:31	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/23/16 17:31	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/23/16 17:31	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/23/16 17:31	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			07/23/16 17:31	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/23/16 17:31	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/23/16 17:31	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/23/16 17:31	1
2-Hexanone	ND		25	3.1	ug/L			07/23/16 17:31	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/23/16 17:31	1
Methylene bromide	ND		5.0	0.59	ug/L			07/23/16 17:31	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/23/16 17:31	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/23/16 17:31	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			07/23/16 17:31	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			07/23/16 17:31	1
Naphthalene	ND		1.0	1.0	ug/L			07/23/16 17:31	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/23/16 17:31	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/23/16 17:31	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/23/16 17:31	1
o-Xylene	ND		5.0	0.60	ug/L			07/23/16 17:31	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/23/16 17:31	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/23/16 17:31	1

Client Sample ID: P93C-ROX-071216-EB
Date Collected: 07/12/16 13:05
Date Received: 07/13/16 08:29

Lab Sample ID: 400-124395-5
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			07/23/16 17:31	1
Styrene	ND		1.0	1.0	ug/L			07/23/16 17:31	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/23/16 17:31	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			07/23/16 17:31	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/23/16 17:31	1
Tetrachloroethene	ND		1.0	0.58	ug/L			07/23/16 17:31	1
Toluene	ND		1.0	0.70	ug/L			07/23/16 17:31	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/23/16 17:31	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/23/16 17:31	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			07/23/16 17:31	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/23/16 17:31	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			07/23/16 17:31	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			07/23/16 17:31	1
Trichloroethene	ND		1.0	0.50	ug/L			07/23/16 17:31	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			07/23/16 17:31	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/23/16 17:31	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/23/16 17:31	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/23/16 17:31	1
Vinyl acetate	ND		25	2.0	ug/L			07/23/16 17:31	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/23/16 17:31	1
Xylenes, Total	ND		10	1.6	ug/L			07/23/16 17:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*78 - 118*		*07/23/16 17:31*	*1*
Dibromofluoromethane	*104*		*81 - 121*		*07/23/16 17:31*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*07/23/16 17:31*	*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		07/15/16 09:43	07/20/16 08:55	1
Acenaphthylene	ND		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 08:55	1
Anthracene	ND		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 08:55	1
Benzo[a]anthracene	0.046	J	0.20	0.040	ug/L		07/15/16 09:43	07/20/16 08:55	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 08:55	1
Benzo[b]fluoranthene	0.056	J	0.20	0.040	ug/L		07/15/16 09:43	07/20/16 08:55	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 08:55	1
Benzo[k]fluoranthene	0.040	J	0.20	0.040	ug/L		07/15/16 09:43	07/20/16 08:55	1
Chrysene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 08:55	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 08:55	1
Fluoranthene	0.028	J	0.20	0.020	ug/L		07/15/16 09:43	07/20/16 08:55	1
Fluorene	ND		0.20	0.021	ug/L		07/15/16 09:43	07/20/16 08:55	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 08:55	1
Phenanthrene	ND		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 08:55	1
Pyrene	ND		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 08:55	1
1-Methylnaphthalene	ND		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 08:55	1
2-Methylnaphthalene	ND		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 08:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*70*		*33 - 138*	*07/15/16 09:43*	*07/20/16 08:55*	*1*
2-Fluorobiphenyl	*49*		*15 - 122*	*07/15/16 09:43*	*07/20/16 08:55*	*1*

Client Sample ID: P93C-ROX-071216-EB
Date Collected: 07/12/16 13:05
Date Received: 07/13/16 08:29

Lab Sample ID: 400-124395-5
Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*49*		*19 - 130*	*07/15/16 09:43*	*07/20/16 08:55*	*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		07/15/16 09:43	07/20/16 18:59	1
Benzenethiol	ND	*	10	1.7	ug/L		07/15/16 09:43	07/20/16 18:59	1
Benzoic acid	ND		30	7.3	ug/L		07/15/16 09:43	07/20/16 18:59	1
Benzyl alcohol	ND		10	2.0	ug/L		07/15/16 09:43	07/20/16 18:59	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		07/15/16 09:43	07/20/16 18:59	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		07/15/16 09:43	07/20/16 18:59	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		07/15/16 09:43	07/20/16 18:59	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		07/15/16 09:43	07/20/16 18:59	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		07/15/16 09:43	07/20/16 18:59	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		07/15/16 09:43	07/20/16 18:59	1
4-Chloroaniline	ND		10	3.4	ug/L		07/15/16 09:43	07/20/16 18:59	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		07/15/16 09:43	07/20/16 18:59	1
2-Chloronaphthalene	ND		10	0.52	ug/L		07/15/16 09:43	07/20/16 18:59	1
2-Chlorophenol	ND		10	2.2	ug/L		07/15/16 09:43	07/20/16 18:59	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		07/15/16 09:43	07/20/16 18:59	1
Dibenz[a,h]acridine	ND	*	10	3.0	ug/L		07/15/16 09:43	07/20/16 18:59	1
Dibenzofuran	ND		10	0.52	ug/L		07/15/16 09:43	07/20/16 18:59	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		07/15/16 09:43	07/20/16 18:59	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		07/15/16 09:43	07/20/16 18:59	1
Diethyl phthalate	ND		10	0.70	ug/L		07/15/16 09:43	07/20/16 18:59	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		07/15/16 09:43	07/20/16 18:59	1
Dimethyl phthalate	ND		10	0.60	ug/L		07/15/16 09:43	07/20/16 18:59	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		07/15/16 09:43	07/20/16 18:59	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/15/16 09:43	07/20/16 18:59	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		07/15/16 09:43	07/20/16 18:59	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		07/15/16 09:43	07/20/16 18:59	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		07/15/16 09:43	07/20/16 18:59	1
Di-n-octyl phthalate	**1.0**	J	10	0.44	ug/L		07/15/16 09:43	07/20/16 18:59	1
1,4-Dioxane	ND		10	1.0	ug/L		07/15/16 09:43	07/20/16 18:59	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		07/15/16 09:43	07/20/16 18:59	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/15/16 09:43	07/20/16 18:59	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		07/15/16 09:43	07/20/16 18:59	1
Hexachloroethane	ND		10	4.2	ug/L		07/15/16 09:43	07/20/16 18:59	1
Indene	ND		10	1.0	ug/L		07/15/16 09:43	07/20/16 18:59	1
Isophorone	ND		10	0.57	ug/L		07/15/16 09:43	07/20/16 18:59	1
2-Methylphenol	ND		10	1.8	ug/L		07/15/16 09:43	07/20/16 18:59	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		07/15/16 09:43	07/20/16 18:59	1
2-Nitroaniline	ND		10	2.2	ug/L		07/15/16 09:43	07/20/16 18:59	1
3-Nitroaniline	ND		10	1.8	ug/L		07/15/16 09:43	07/20/16 18:59	1
4-Nitroaniline	ND		10	2.5	ug/L		07/15/16 09:43	07/20/16 18:59	1
Nitrobenzene	ND		10	0.55	ug/L		07/15/16 09:43	07/20/16 18:59	1
2-Nitrophenol	ND		10	0.65	ug/L		07/15/16 09:43	07/20/16 18:59	1
4-Nitrophenol	ND		10	2.1	ug/L		07/15/16 09:43	07/20/16 18:59	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		07/15/16 09:43	07/20/16 18:59	1

Client Sample ID: P93C-ROX-071216-EB
Date Collected: 07/12/16 13:05
Date Received: 07/13/16 08:29

Lab Sample ID: 400-124395-5
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		07/15/16 09:43	07/20/16 18:59	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		07/15/16 09:43	07/20/16 18:59	1
Pentachlorophenol	ND		20	1.8	ug/L		07/15/16 09:43	07/20/16 18:59	1
Phenol	ND		10	2.6	ug/L		07/15/16 09:43	07/20/16 18:59	1
Pyridine	ND	*	10	3.2	ug/L		07/15/16 09:43	07/20/16 18:59	1
Quinoline	ND		10	6.0	ug/L		07/15/16 09:43	07/20/16 18:59	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		07/15/16 09:43	07/20/16 18:59	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		07/15/16 09:43	07/20/16 18:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*52*		*34 - 120*	*07/15/16 09:43*	*07/20/16 18:59*	*1*
2-Fluorophenol	*49*		*10 - 120*	*07/15/16 09:43*	*07/20/16 18:59*	*1*
Nitrobenzene-d5	*51*		*27 - 120*	*07/15/16 09:43*	*07/20/16 18:59*	*1*
Phenol-d5	*53*		*10 - 120*	*07/15/16 09:43*	*07/20/16 18:59*	*1*
Terphenyl-d14	*66*		*53 - 125*	*07/15/16 09:43*	*07/20/16 18:59*	*1*
2,4,6-Tribromophenol	*67*		*15 - 135*	*07/15/16 09:43*	*07/20/16 18:59*	*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		07/16/16 11:05	07/16/16 22:30	1
1,2-Dibromoethane	ND		0.022	0.0055	ug/L		07/16/16 11:05	07/16/16 22:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*77*		*51 - 149*	*07/16/16 11:05*	*07/16/16 22:30*	*1*

Client Sample ID: P93C-ROX-071216
Date Collected: 07/12/16 14:20
Date Received: 07/13/16 08:29

Lab Sample ID: 400-124395-6
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			07/22/16 13:35	1
Acrolein	ND		20	10	ug/L			07/22/16 13:35	1
Acrylonitrile	ND		10	2.8	ug/L			07/22/16 13:35	1
Benzene	ND		1.0	0.38	ug/L			07/22/16 13:35	1
Bromobenzene	ND		1.0	0.54	ug/L			07/22/16 13:35	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/22/16 13:35	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/22/16 13:35	1
Bromoform	ND		5.0	0.71	ug/L			07/22/16 13:35	1
Bromomethane	ND		1.0	0.98	ug/L			07/22/16 13:35	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/22/16 13:35	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/22/16 13:35	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			07/22/16 13:35	1
Chlorobenzene	ND		1.0	0.50	ug/L			07/22/16 13:35	1
Dibromochloromethane	ND		1.0	0.50	ug/L			07/22/16 13:35	1
Chloroethane	ND		1.0	0.76	ug/L			07/22/16 13:35	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/22/16 13:35	1
Chloroform	ND		1.0	0.60	ug/L			07/22/16 13:35	1
1-Chlorohexane	ND		1.0	0.70	ug/L			07/22/16 13:35	1
Chloromethane	ND		1.0	0.83	ug/L			07/22/16 13:35	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/22/16 13:35	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/22/16 13:35	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/22/16 13:35	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/22/16 13:35	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/22/16 13:35	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/22/16 13:35	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/22/16 13:35	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			07/22/16 13:35	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/22/16 13:35	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/22/16 13:35	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/22/16 13:35	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/22/16 13:35	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			07/22/16 13:35	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/22/16 13:35	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/22/16 13:35	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/22/16 13:35	1
2-Hexanone	ND		25	3.1	ug/L			07/22/16 13:35	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/22/16 13:35	1
Methylene bromide	ND		5.0	0.59	ug/L			07/22/16 13:35	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/22/16 13:35	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/22/16 13:35	1
Methyl tert-butyl ether	2.9		1.0	0.74	ug/L			07/22/16 13:35	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			07/22/16 13:35	1
Naphthalene	ND		1.0	1.0	ug/L			07/22/16 13:35	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/22/16 13:35	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/22/16 13:35	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/22/16 13:35	1
o-Xylene	ND		5.0	0.60	ug/L			07/22/16 13:35	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/22/16 13:35	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/22/16 13:35	1

Client Sample ID: P93C-ROX-071216
Date Collected: 07/12/16 14:20
Date Received: 07/13/16 08:29

Lab Sample ID: 400-124395-6
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			07/22/16 13:35	1
Styrene	ND		1.0	1.0	ug/L			07/22/16 13:35	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/22/16 13:35	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			07/22/16 13:35	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/22/16 13:35	1
Tetrachloroethene	ND		1.0	0.58	ug/L			07/22/16 13:35	1
Toluene	ND		1.0	0.70	ug/L			07/22/16 13:35	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/22/16 13:35	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/22/16 13:35	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			07/22/16 13:35	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/22/16 13:35	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			07/22/16 13:35	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			07/22/16 13:35	1
Trichloroethene	ND		1.0	0.50	ug/L			07/22/16 13:35	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			07/22/16 13:35	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/22/16 13:35	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/22/16 13:35	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/22/16 13:35	1
Vinyl acetate	ND		25	2.0	ug/L			07/22/16 13:35	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/22/16 13:35	1
Xylenes, Total	ND		10	1.6	ug/L			07/22/16 13:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*78 - 118*		*07/22/16 13:35*	*1*
Dibromofluoromethane	*105*		*81 - 121*		*07/22/16 13:35*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*07/22/16 13:35*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 09:20	1
Acenaphthylene	ND		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 09:20	1
Anthracene	ND		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 09:20	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 09:20	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 09:20	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 09:20	1
Benzo[g,h,i]perylene	**0.040**	**J**	0.20	0.040	ug/L		07/15/16 09:43	07/20/16 09:20	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 09:20	1
Chrysene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 09:20	1
Dibenz(a,h)anthracene	**0.048**	**J**	0.20	0.040	ug/L		07/15/16 09:43	07/20/16 09:20	1
Fluoranthene	ND		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 09:20	1
Fluorene	ND		0.20	0.021	ug/L		07/15/16 09:43	07/20/16 09:20	1
Indeno[1,2,3-cd]pyrene	**0.044**	**J**	0.20	0.040	ug/L		07/15/16 09:43	07/20/16 09:20	1
Phenanthrene	ND		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 09:20	1
Pyrene	ND		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 09:20	1
1-Methylnaphthalene	**0.055**	**J**	0.20	0.020	ug/L		07/15/16 09:43	07/20/16 09:20	1
2-Methylnaphthalene	**0.053**	**J**	0.20	0.020	ug/L		07/15/16 09:43	07/20/16 09:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*55*		*33 - 138*	*07/15/16 09:43*	*07/20/16 09:20*	*1*
2-Fluorobiphenyl	*48*		*15 - 122*	*07/15/16 09:43*	*07/20/16 09:20*	*1*

Client Sample ID: P93C-ROX-071216
Date Collected: 07/12/16 14:20
Date Received: 07/13/16 08:29

Lab Sample ID: 400-124395-6
Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*47*		*19 - 130*	*07/15/16 09:43*	*07/20/16 09:20*	*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		07/15/16 09:43	07/20/16 19:33	1
Benzenethiol	ND	* UJ	10	1.7	ug/L		07/15/16 09:43	07/20/16 19:33	1
Benzoic acid	ND		30	7.3	ug/L		07/15/16 09:43	07/20/16 19:33	1
Benzyl alcohol	ND		10	2.0	ug/L		07/15/16 09:43	07/20/16 19:33	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		07/15/16 09:43	07/20/16 19:33	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		07/15/16 09:43	07/20/16 19:33	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		07/15/16 09:43	07/20/16 19:33	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		07/15/16 09:43	07/20/16 19:33	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		07/15/16 09:43	07/20/16 19:33	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		07/15/16 09:43	07/20/16 19:33	1
4-Chloroaniline	ND		10	3.4	ug/L		07/15/16 09:43	07/20/16 19:33	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		07/15/16 09:43	07/20/16 19:33	1
2-Chloronaphthalene	ND		10	0.52	ug/L		07/15/16 09:43	07/20/16 19:33	1
2-Chlorophenol	ND		10	2.2	ug/L		07/15/16 09:43	07/20/16 19:33	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		07/15/16 09:43	07/20/16 19:33	1
Dibenz[a,h]acridine	ND	* UJ	10	3.0	ug/L		07/15/16 09:43	07/20/16 19:33	1
Dibenzofuran	ND		10	0.52	ug/L		07/15/16 09:43	07/20/16 19:33	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		07/15/16 09:43	07/20/16 19:33	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		07/15/16 09:43	07/20/16 19:33	1
Diethyl phthalate	ND		10	0.70	ug/L		07/15/16 09:43	07/20/16 19:33	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		07/15/16 09:43	07/20/16 19:33	1
Dimethyl phthalate	ND		10	0.60	ug/L		07/15/16 09:43	07/20/16 19:33	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		07/15/16 09:43	07/20/16 19:33	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/15/16 09:43	07/20/16 19:33	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		07/15/16 09:43	07/20/16 19:33	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		07/15/16 09:43	07/20/16 19:33	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		07/15/16 09:43	07/20/16 19:33	1
Di-n-octyl phthalate	**0.53**	J J	10	0.44	ug/L		07/15/16 09:43	07/20/16 19:33	1
1,4-Dioxane	ND		10	1.0	ug/L		07/15/16 09:43	07/20/16 19:33	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		07/15/16 09:43	07/20/16 19:33	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/15/16 09:43	07/20/16 19:33	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		07/15/16 09:43	07/20/16 19:33	1
Hexachloroethane	ND		10	4.2	ug/L		07/15/16 09:43	07/20/16 19:33	1
Indene	ND		10	1.0	ug/L		07/15/16 09:43	07/20/16 19:33	1
Isophorone	ND		10	0.57	ug/L		07/15/16 09:43	07/20/16 19:33	1
2-Methylphenol	ND		10	1.8	ug/L		07/15/16 09:43	07/20/16 19:33	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		07/15/16 09:43	07/20/16 19:33	1
2-Nitroaniline	ND		10	2.2	ug/L		07/15/16 09:43	07/20/16 19:33	1
3-Nitroaniline	ND		10	1.8	ug/L		07/15/16 09:43	07/20/16 19:33	1
4-Nitroaniline	ND		10	2.5	ug/L		07/15/16 09:43	07/20/16 19:33	1
Nitrobenzene	ND		10	0.55	ug/L		07/15/16 09:43	07/20/16 19:33	1
2-Nitrophenol	ND		10	0.65	ug/L		07/15/16 09:43	07/20/16 19:33	1
4-Nitrophenol	ND		10	2.1	ug/L		07/15/16 09:43	07/20/16 19:33	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		07/15/16 09:43	07/20/16 19:33	1

Client Sample ID: P93C-ROX-071216
Date Collected: 07/12/16 14:20
Date Received: 07/13/16 08:29

Lab Sample ID: 400-124395-6
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		07/15/16 09:43	07/20/16 19:33	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		07/15/16 09:43	07/20/16 19:33	1
Pentachlorophenol	ND		20	1.8	ug/L		07/15/16 09:43	07/20/16 19:33	1
Phenol	ND		10	2.6	ug/L		07/15/16 09:43	07/20/16 19:33	1
Pyridine	ND	UJ	10	3.2	ug/L		07/15/16 09:43	07/20/16 19:33	1
Quinoline	ND		10	6.0	ug/L		07/15/16 09:43	07/20/16 19:33	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		07/15/16 09:43	07/20/16 19:33	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		07/15/16 09:43	07/20/16 19:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*63*		*34 - 120*	*07/15/16 09:43*	*07/20/16 19:33*	*1*
2-Fluorophenol	*48*		*10 - 120*	*07/15/16 09:43*	*07/20/16 19:33*	*1*
Nitrobenzene-d5	*54*		*27 - 120*	*07/15/16 09:43*	*07/20/16 19:33*	*1*
Phenol-d5	*52*		*10 - 120*	*07/15/16 09:43*	*07/20/16 19:33*	*1*
Terphenyl-d14	*63*		*53 - 125*	*07/15/16 09:43*	*07/20/16 19:33*	*1*
2,4,6-Tribromophenol	*91*		*15 - 135*	*07/15/16 09:43*	*07/20/16 19:33*	*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		0.031	0.0056	ug/L		07/16/16 11:05	07/16/16 23:00	1
1,2-Dibromoethane	ND		0.020	0.0051	ug/L		07/16/16 11:05	07/16/16 23:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*86*		*51 - 149*	*07/16/16 11:05*	*07/16/16 23:00*	*1*

Client Sample ID: T12-ROX-071216
Date Collected: 07/12/16 15:30
Date Received: 07/13/16 08:29

Lab Sample ID: 400-124395-7
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			07/22/16 09:59	10
Acrolein	ND		200	100	ug/L			07/22/16 09:59	10
Acrylonitrile	ND		100	28	ug/L			07/22/16 09:59	10
Benzene	**1600**		10	3.8	ug/L			07/22/16 09:59	10
Bromobenzene	ND		10	5.4	ug/L			07/22/16 09:59	10
Bromochloromethane	ND		10	5.2	ug/L			07/22/16 09:59	10
Bromodichloromethane	ND		10	5.0	ug/L			07/22/16 09:59	10
Bromoform	ND		50	7.1	ug/L			07/22/16 09:59	10
Bromomethane	ND		10	9.8	ug/L			07/22/16 09:59	10
2-Butanone (MEK)	ND		250	26	ug/L			07/22/16 09:59	10
Carbon disulfide	ND		10	5.0	ug/L			07/22/16 09:59	10
Carbon tetrachloride	ND		10	5.0	ug/L			07/22/16 09:59	10
Chlorobenzene	ND		10	5.0	ug/L			07/22/16 09:59	10
Dibromochloromethane	ND		10	5.0	ug/L			07/22/16 09:59	10
Chloroethane	ND		10	7.6	ug/L			07/22/16 09:59	10
2-Chloroethyl vinyl ether	ND		50	20	ug/L			07/22/16 09:59	10
Chloroform	ND		10	6.0	ug/L			07/22/16 09:59	10
1-Chlorohexane	ND		10	7.0	ug/L			07/22/16 09:59	10
Chloromethane	ND		10	8.3	ug/L			07/22/16 09:59	10
cis-1,2-Dichloroethene	ND		10	5.0	ug/L			07/22/16 09:59	10
cis-1,3-Dichloropropene	ND		50	5.0	ug/L			07/22/16 09:59	10
1,2-Dichlorobenzene	ND		10	5.0	ug/L			07/22/16 09:59	10
1,3-Dichlorobenzene	ND		10	5.4	ug/L			07/22/16 09:59	10
1,4-Dichlorobenzene	ND		10	6.4	ug/L			07/22/16 09:59	10
Dichlorodifluoromethane	ND		10	8.5	ug/L			07/22/16 09:59	10
1,1-Dichloroethane	ND		10	5.0	ug/L			07/22/16 09:59	10
1,2-Dichloroethane	ND		10	5.0	ug/L			07/22/16 09:59	10
1,1-Dichloroethene	ND		10	5.0	ug/L			07/22/16 09:59	10
1,2-Dichloropropane	ND		10	5.0	ug/L			07/22/16 09:59	10
1,3-Dichloropropane	ND		10	5.0	ug/L			07/22/16 09:59	10
2,2-Dichloropropane	ND		10	5.0	ug/L			07/22/16 09:59	10
1,1-Dichloropropene	ND		10	5.0	ug/L			07/22/16 09:59	10
Ethylbenzene	**150**		10	5.0	ug/L			07/22/16 09:59	10
Ethyl methacrylate	ND		10	6.0	ug/L			07/22/16 09:59	10
Hexachlorobutadiene	ND		50	9.0	ug/L			07/22/16 09:59	10
2-Hexanone	ND		250	31	ug/L			07/22/16 09:59	10
Isopropylbenzene	**26**		10	5.3	ug/L			07/22/16 09:59	10
Methylene bromide	ND		50	5.9	ug/L			07/22/16 09:59	10
Methylene Chloride	ND		50	30	ug/L			07/22/16 09:59	10
4-Methyl-2-pentanone (MIBK)	ND		250	18	ug/L			07/22/16 09:59	10
Methyl tert-butyl ether	ND		10	7.4	ug/L			07/22/16 09:59	10
m-Xylene & p-Xylene	**160**		50	16	ug/L			07/22/16 09:59	10
Naphthalene	**58**		10	10	ug/L			07/22/16 09:59	10
n-Butylbenzene	ND		10	7.6	ug/L			07/22/16 09:59	10
N-Propylbenzene	**40**		10	6.9	ug/L			07/22/16 09:59	10
o-Chlorotoluene	ND		10	5.7	ug/L			07/22/16 09:59	10
o-Xylene	**7.9**	J	50	6.0	ug/L			07/22/16 09:59	10
p-Chlorotoluene	ND		10	5.6	ug/L			07/22/16 09:59	10
p-Isopropyltoluene	ND		10	7.1	ug/L			07/22/16 09:59	10

Client Sample ID: T12-ROX-071216
Date Collected: 07/12/16 15:30
Date Received: 07/13/16 08:29

Lab Sample ID: 400-124395-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		10	7.0	ug/L			07/22/16 09:59	10
Styrene	ND		10	10	ug/L			07/22/16 09:59	10
tert-Butylbenzene	ND		10	6.3	ug/L			07/22/16 09:59	10
1,1,1,2-Tetrachloroethane	ND		10	5.2	ug/L			07/22/16 09:59	10
1,1,2,2-Tetrachloroethane	ND		10	5.0	ug/L			07/22/16 09:59	10
Tetrachloroethene	ND		10	5.8	ug/L			07/22/16 09:59	10
Toluene	**64**		10	7.0	ug/L			07/22/16 09:59	10
trans-1,2-Dichloroethene	ND		10	5.0	ug/L			07/22/16 09:59	10
trans-1,3-Dichloropropene	ND		50	5.0	ug/L			07/22/16 09:59	10
1,2,3-Trichlorobenzene	ND		10	7.0	ug/L			07/22/16 09:59	10
1,2,4-Trichlorobenzene	ND		10	8.2	ug/L			07/22/16 09:59	10
1,1,1-Trichloroethane	ND		10	5.0	ug/L			07/22/16 09:59	10
1,1,2-Trichloroethane	ND		50	5.0	ug/L			07/22/16 09:59	10
Trichloroethene	ND		10	5.0	ug/L			07/22/16 09:59	10
Trichlorofluoromethane	ND		10	5.2	ug/L			07/22/16 09:59	10
1,2,3-Trichloropropane	ND		50	8.4	ug/L			07/22/16 09:59	10
1,2,4-Trimethylbenzene	**51**		10	8.2	ug/L			07/22/16 09:59	10
1,3,5-Trimethylbenzene	**11**		10	5.6	ug/L			07/22/16 09:59	10
Vinyl acetate	ND		250	20	ug/L			07/22/16 09:59	10
Vinyl chloride	ND		10	5.0	ug/L			07/22/16 09:59	10
Xylenes, Total	**160**		100	16	ug/L			07/22/16 09:59	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*78 - 118*		*07/22/16 09:59*	*10*
Dibromofluoromethane	*101*		*81 - 121*		*07/22/16 09:59*	*10*
Toluene-d8 (Surr)	*91*		*80 - 120*		*07/22/16 09:59*	*10*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.35**		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 09:46	1
Acenaphthylene	**0.053**	J	0.20	0.020	ug/L		07/15/16 09:43	07/20/16 09:46	1
Anthracene	**0.083**	J	0.20	0.020	ug/L		07/15/16 09:43	07/20/16 09:46	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 09:46	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 09:46	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 09:46	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 09:46	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 09:46	1
Chrysene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 09:46	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 09:46	1
Fluoranthene	ND		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 09:46	1
Fluorene	**0.22**		0.20	0.021	ug/L		07/15/16 09:43	07/20/16 09:46	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 09:46	1
Phenanthrene	ND		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 09:46	1
Pyrene	**0.048**	J	0.20	0.020	ug/L		07/15/16 09:43	07/20/16 09:46	1
1-Methylnaphthalene	**7.2**		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 09:46	1
2-Methylnaphthalene	**2.0**		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 09:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*54*		*33 - 138*	*07/15/16 09:43*	*07/20/16 09:46*	*1*
2-Fluorobiphenyl	*51*		*15 - 122*	*07/15/16 09:43*	*07/20/16 09:46*	*1*

Client Sample ID: T12-ROX-071216
Date Collected: 07/12/16 15:30
Date Received: 07/13/16 08:29

Lab Sample ID: 400-124395-7
Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	54		19 - 130	07/15/16 09:43	07/20/16 09:46	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		07/15/16 09:43	07/20/16 20:06	1
Benzenethiol	ND	* UJ	10	1.7	ug/L		07/15/16 09:43	07/20/16 20:06	1
Benzoic acid	ND		30	7.3	ug/L		07/15/16 09:43	07/20/16 20:06	1
Benzyl alcohol	ND		10	2.0	ug/L		07/15/16 09:43	07/20/16 20:06	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		07/15/16 09:43	07/20/16 20:06	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		07/15/16 09:43	07/20/16 20:06	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		07/15/16 09:43	07/20/16 20:06	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		07/15/16 09:43	07/20/16 20:06	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		07/15/16 09:43	07/20/16 20:06	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		07/15/16 09:43	07/20/16 20:06	1
4-Chloroaniline	ND		10	3.4	ug/L		07/15/16 09:43	07/20/16 20:06	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		07/15/16 09:43	07/20/16 20:06	1
2-Chloronaphthalene	ND		10	0.52	ug/L		07/15/16 09:43	07/20/16 20:06	1
2-Chlorophenol	ND		10	2.2	ug/L		07/15/16 09:43	07/20/16 20:06	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		07/15/16 09:43	07/20/16 20:06	1
Dibenz[a,h]acridine	ND	* UJ	10	3.0	ug/L		07/15/16 09:43	07/20/16 20:06	1
Dibenzofuran	ND		10	0.52	ug/L		07/15/16 09:43	07/20/16 20:06	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		07/15/16 09:43	07/20/16 20:06	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		07/15/16 09:43	07/20/16 20:06	1
Diethyl phthalate	ND		10	0.70	ug/L		07/15/16 09:43	07/20/16 20:06	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		07/15/16 09:43	07/20/16 20:06	1
Dimethyl phthalate	ND		10	0.60	ug/L		07/15/16 09:43	07/20/16 20:06	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		07/15/16 09:43	07/20/16 20:06	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/15/16 09:43	07/20/16 20:06	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		07/15/16 09:43	07/20/16 20:06	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		07/15/16 09:43	07/20/16 20:06	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		07/15/16 09:43	07/20/16 20:06	1
Di-n-octyl phthalate	**0.76**	J J	10	0.44	ug/L		07/15/16 09:43	07/20/16 20:06	1
1,4-Dioxane	ND		10	1.0	ug/L		07/15/16 09:43	07/20/16 20:06	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		07/15/16 09:43	07/20/16 20:06	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/15/16 09:43	07/20/16 20:06	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		07/15/16 09:43	07/20/16 20:06	1
Hexachloroethane	ND		10	4.2	ug/L		07/15/16 09:43	07/20/16 20:06	1
Indene	ND		10	1.0	ug/L		07/15/16 09:43	07/20/16 20:06	1
Isophorone	ND		10	0.57	ug/L		07/15/16 09:43	07/20/16 20:06	1
2-Methylphenol	ND		10	1.8	ug/L		07/15/16 09:43	07/20/16 20:06	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		07/15/16 09:43	07/20/16 20:06	1
2-Nitroaniline	ND		10	2.2	ug/L		07/15/16 09:43	07/20/16 20:06	1
3-Nitroaniline	ND		10	1.8	ug/L		07/15/16 09:43	07/20/16 20:06	1
4-Nitroaniline	ND		10	2.5	ug/L		07/15/16 09:43	07/20/16 20:06	1
Nitrobenzene	ND		10	0.55	ug/L		07/15/16 09:43	07/20/16 20:06	1
2-Nitrophenol	ND		10	0.65	ug/L		07/15/16 09:43	07/20/16 20:06	1
4-Nitrophenol	ND		10	2.1	ug/L		07/15/16 09:43	07/20/16 20:06	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		07/15/16 09:43	07/20/16 20:06	1

Client Sample ID: T12-ROX-071216
Date Collected: 07/12/16 15:30
Date Received: 07/13/16 08:29

Lab Sample ID: 400-124395-7
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		07/15/16 09:43	07/20/16 20:06	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		07/15/16 09:43	07/20/16 20:06	1
Pentachlorophenol	ND		20	1.8	ug/L		07/15/16 09:43	07/20/16 20:06	1
Phenol	38		10	2.6	ug/L		07/15/16 09:43	07/20/16 20:06	1
Pyridine	ND	* UJ	10	3.2	ug/L		07/15/16 09:43	07/20/16 20:06	1
Quinoline	ND		10	6.0	ug/L		07/15/16 09:43	07/20/16 20:06	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		07/15/16 09:43	07/20/16 20:06	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		07/15/16 09:43	07/20/16 20:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*61*		*34 - 120*	*07/15/16 09:43*	*07/20/16 20:06*	*1*
2-Fluorophenol	*51*		*10 - 120*	*07/15/16 09:43*	*07/20/16 20:06*	*1*
Nitrobenzene-d5	*58*		*27 - 120*	*07/15/16 09:43*	*07/20/16 20:06*	*1*
Phenol-d5	*60*		*10 - 120*	*07/15/16 09:43*	*07/20/16 20:06*	*1*
Terphenyl-d14	*63*		*53 - 125*	*07/15/16 09:43*	*07/20/16 20:06*	*1*
2,4,6-Tribromophenol	*99*		*15 - 135*	*07/15/16 09:43*	*07/20/16 20:06*	*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		0.029	0.0054	ug/L		07/16/16 11:05	07/16/16 23:30	1
1,2-Dibromoethane	ND		0.020	0.0049	ug/L		07/16/16 11:05	07/16/16 23:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*105*		*51 - 149*	*07/16/16 11:05*	*07/16/16 23:30*	*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.
*	LCS or LCSD is outside acceptance limits.

GC/MS Semi VOA

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

GC Semi VOA

Qualifier	Qualifier Description
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 - 3Q16

TestAmerica Job ID: 400-124395-1
SDG: 60477387 - 1.03.003/1.03.0033

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)
400-124395-2	TB-ROX-071216W-8260	95	106	93
400-124395-3	P56-ROX-071216	95	95	87
400-124395-4	P74-ROX-071216	99	104	88
400-124395-4 MS	P74-ROX-071216-MS	101	101	99
400-124395-4 MSD	P74-ROX-071216-MSD	103	100	100
400-124395-5	P93C-ROX-071216-EB	94	104	91
400-124395-6	P93C-ROX-071216	95	105	93
400-124395-7	T12-ROX-071216	95	101	91
400-124559-E-3 MS	Matrix Spike	100	99	101
400-124559-E-3 MSD	Matrix Spike Duplicate	100	101	99
LCS 400-315307/1002	Lab Control Sample	100	100	100
LCS 400-315486/1002	Lab Control Sample	103	100	99
MB 400-315307/4	Method Blank	94	106	90
MB 400-315486/4	Method Blank	93	103	93

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)
400-124395-3	P56-ROX-071216	58	43	59	53	40 X	81
400-124395-4	P74-ROX-071216	63	57	66	60	59	84
400-124395-4 MS	P74-ROX-071216-MS	64	59	60	63	65	95
400-124395-4 MSD	P74-ROX-071216-MSD	59	53	56	56	56	84
400-124395-5	P93C-ROX-071216-EB	52	49	51	53	66	67
400-124395-6	P93C-ROX-071216	63	48	54	52	63	91
400-124395-7	T12-ROX-071216	61	51	58	60	63	99
LCS 400-314434/2-A	Lab Control Sample	59	59	71	66	75	91
LCS 400-314434/4-A	Lab Control Sample	57	49	56	53	70	79
LCSD 400-314434/3-A	Lab Control Sample Dup	69	66	65	70	78	99
LCSD 400-314434/5-A	Lab Control Sample Dup	72	53	58	57	73	83
MB 400-314434/1-A	Method Blank	61	52	61	57	70	71

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 - 3Q16

TestAmerica Job ID: 400-124395-1
SDG: 60477387 - 1.03.003/1.03.0033

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)
400-124395-3	P56-ROX-071216	34	55	53
400-124395-4	P74-ROX-071216	67	61	62
400-124395-4 MS	P74-ROX-071216-MS	57	61	59
400-124395-4 MSD	P74-ROX-071216-MSD	54	61	60
400-124395-5	P93C-ROX-071216-EB	70	49	49
400-124395-6	P93C-ROX-071216	55	48	47
400-124395-7	T12-ROX-071216	54	51	54
LCS 400-314434/2-A	Lab Control Sample	81	75	63
LCSD 400-314434/3-A	Lab Control Sample Dup	83	80	66
MB 400-314434/1-A	Method Blank	104	65	67

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)
400-124217-C-3-B MS	Matrix Spike	91
400-124217-C-3-C MSD	Matrix Spike Duplicate	90
400-124395-1	TB-ROX-071216W-8011	93
400-124395-3	P56-ROX-071216	79
400-124395-4	P74-ROX-071216	81
400-124395-4 MS	P74-ROX-071216-MS	80
400-124395-4 MSD	P74-ROX-071216-MSD	93
400-124395-5	P93C-ROX-071216-EB	77
400-124395-6	P93C-ROX-071216	86
400-124395-7	T12-ROX-071216	105
LCS 400-314555/2-A	Lab Control Sample	107
LCS 400-314557/2-A	Lab Control Sample	105
MB 400-314555/1-A	Method Blank	88
MB 400-314557/1-A	Method Blank	91

Surrogate Legend

BFB = 4-Bromofluorobenzene

Method Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 3Q16

TestAmerica Job ID: 400-124395-1
SDG: 60477387 - 1.03.003/1.03.0033

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: TB-ROX-071216W-8011

Lab Sample ID: 400-124395-1

Date Collected: 07/12/16 00:00
Date Received: 07/13/16 08:29

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			33.8 mL	35 mL	314557	07/16/16 11:14	AM	TAL PEN
Total/NA	Analysis	8011		1			314704	07/18/16 18:17	AM	TAL PEN

Client Sample ID: TB-ROX-071216W-8260

Lab Sample ID: 400-124395-2

Date Collected: 07/12/16 00:00
Date Received: 07/13/16 08:29

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	315307	07/22/16 08:21	RS	TAL PEN

Client Sample ID: P56-ROX-071216

Lab Sample ID: 400-124395-3

Date Collected: 07/12/16 11:30
Date Received: 07/13/16 08:29

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	315307	07/22/16 11:59	RS	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314434	07/15/16 09:43	RMC	TAL PEN
Total/NA	Analysis	8270D		1			314976	07/20/16 18:26	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314434	07/15/16 09:43	RMC	TAL PEN
Total/NA	Analysis	8270D LL		1			314990	07/20/16 08:29	VC1	TAL PEN
Total/NA	Prep	8011			35.1 mL	35 mL	314557	07/16/16 11:14	AM	TAL PEN
Total/NA	Analysis	8011		1			314704	07/18/16 18:47	AM	TAL PEN

Client Sample ID: P74-ROX-071216

Lab Sample ID: 400-124395-4

Date Collected: 07/12/16 10:00
Date Received: 07/13/16 08:29

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	315307	07/22/16 09:34	RS	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314434	07/15/16 09:43	RMC	TAL PEN
Total/NA	Analysis	8270D		1			314976	07/20/16 17:52	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314434	07/15/16 09:43	RMC	TAL PEN
Total/NA	Analysis	8270D LL		1			314990	07/20/16 08:04	VC1	TAL PEN
Total/NA	Prep	8011			35.9 mL	35 mL	314557	07/16/16 11:14	AM	TAL PEN
Total/NA	Analysis	8011		1			314704	07/18/16 19:17	AM	TAL PEN

Client Sample ID: P93C-ROX-071216-EB

Lab Sample ID: 400-124395-5

Date Collected: 07/12/16 13:05
Date Received: 07/13/16 08:29

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	315486	07/23/16 17:31	HLW	TAL PEN

Client Sample ID: P93C-ROX-071216-EB

Lab Sample ID: 400-124395-5

Date Collected: 07/12/16 13:05
Date Received: 07/13/16 08:29

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	314434	07/15/16 09:43	RMC	TAL PEN
Total/NA	Analysis	8270D		1			314976	07/20/16 18:59	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314434	07/15/16 09:43	RMC	TAL PEN
Total/NA	Analysis	8270D LL		1			314990	07/20/16 08:55	VC1	TAL PEN
Total/NA	Prep	8011			32.1 mL	35 mL	314555	07/16/16 11:05	AM	TAL PEN
Total/NA	Analysis	8011		1			314609	07/16/16 22:30	AM	TAL PEN

Client Sample ID: P93C-ROX-071216

Lab Sample ID: 400-124395-6

Date Collected: 07/12/16 14:20
Date Received: 07/13/16 08:29

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	315307	07/22/16 13:35	RS	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314434	07/15/16 09:43	RMC	TAL PEN
Total/NA	Analysis	8270D		1			314976	07/20/16 19:33	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314434	07/15/16 09:43	RMC	TAL PEN
Total/NA	Analysis	8270D LL		1			314990	07/20/16 09:20	VC1	TAL PEN
Total/NA	Prep	8011			34.2 mL	35 mL	314555	07/16/16 11:05	AM	TAL PEN
Total/NA	Analysis	8011		1			314609	07/16/16 23:00	AM	TAL PEN

Client Sample ID: T12-ROX-071216

Lab Sample ID: 400-124395-7

Date Collected: 07/12/16 15:30
Date Received: 07/13/16 08:29

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	315307	07/22/16 09:59	RS	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314434	07/15/16 09:43	RMC	TAL PEN
Total/NA	Analysis	8270D		1			314976	07/20/16 20:06	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314434	07/15/16 09:43	RMC	TAL PEN
Total/NA	Analysis	8270D LL		1			314990	07/20/16 09:46	VC1	TAL PEN
Total/NA	Prep	8011			35.6 mL	35 mL	314555	07/16/16 11:05	AM	TAL PEN
Total/NA	Analysis	8011		1			314609	07/16/16 23:30	AM	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-314434/1-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	314434	07/15/16 09:43	RMC	TAL PEN
Total/NA	Analysis	8270D		1			314976	07/20/16 13:58	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314434	07/15/16 09:43	RMC	TAL PEN
Total/NA	Analysis	8270D LL		1			314990	07/20/16 05:56	VC1	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-314555/1-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	314555	07/16/16 11:05	AM	TAL PEN
Total/NA	Analysis	8011		1			314609	07/16/16 20:31	AM	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-314557/1-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	314557	07/16/16 11:14	AM	TAL PEN
Total/NA	Analysis	8011		1			314704	07/18/16 09:48	AM	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-315307/4

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	315307	07/22/16 07:57	RS	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-315486/4

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	315486	07/23/16 16:39	HLW	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-314434/2-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	314434	07/15/16 09:43	RMC	TAL PEN
Total/NA	Analysis	8270D		1			314976	07/20/16 14:31	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314434	07/15/16 09:43	RMC	TAL PEN
Total/NA	Analysis	8270D LL		5			314990	07/20/16 06:22	VC1	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-314434/4-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	314434	07/15/16 09:43	RMC	TAL PEN
Total/NA	Analysis	8270D		1			314976	07/20/16 15:38	MAM	TAL PEN

Client Sample ID: Lab Control Sample — Lab Sample ID: LCS 400-314555/2-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	8011			35 mL	35 mL	314555	07/16/16 11:05	AM	TAL PEN
Total/NA	Analysis	8011		1			314609	07/16/16 21:01	AM	TAL PEN

Client Sample ID: Lab Control Sample — Lab Sample ID: LCS 400-314557/2-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	8011			35 mL	35 mL	314557	07/16/16 11:14	AM	TAL PEN
Total/NA	Analysis	8011		1			314704	07/18/16 10:18	AM	TAL PEN

Client Sample ID: Lab Control Sample — Lab Sample ID: LCS 400-315307/1002

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	315307	07/22/16 07:09	RS	TAL PEN

Client Sample ID: Lab Control Sample — Lab Sample ID: LCS 400-315486/1002

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	315486	07/23/16 15:31	HLW	TAL PEN

Client Sample ID: Lab Control Sample Dup — Lab Sample ID: LCSD 400-314434/3-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	314434	07/15/16 09:43	RMC	TAL PEN
Total/NA	Analysis	8270D		1			314976	07/20/16 15:05	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314434	07/15/16 09:43	RMC	TAL PEN
Total/NA	Analysis	8270D LL		5			314990	07/20/16 06:47	VC1	TAL PEN

Client Sample ID: Lab Control Sample Dup — Lab Sample ID: LCSD 400-314434/5-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	314434	07/15/16 09:43	RMC	TAL PEN
Total/NA	Analysis	8270D		1			314976	07/20/16 16:12	MAM	TAL PEN

Client Sample ID: Matrix Spike

Lab Sample ID: 400-124217-C-3-B MS

Date Collected: 07/08/16 10:45
Date Received: 07/09/16 09:13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			33.5 mL	35 mL	314555	07/16/16 11:05	AM	TAL PEN
Total/NA	Analysis	8011		1			314609	07/17/16 07:54	AM	TAL PEN

Client Sample ID: Matrix Spike Duplicate

Lab Sample ID: 400-124217-C-3-C MSD

Date Collected: 07/08/16 10:45
Date Received: 07/09/16 09:13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			34.4 mL	35 mL	314555	07/16/16 11:05	AM	TAL PEN
Total/NA	Analysis	8011		1			314609	07/17/16 08:24	AM	TAL PEN

Client Sample ID: P74-ROX-071216-MS

Lab Sample ID: 400-124395-4 MS

Date Collected: 07/12/16 10:00
Date Received: 07/13/16 08:29

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	315307	07/22/16 12:23	RS	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314434	07/15/16 09:43	RMC	TAL PEN
Total/NA	Analysis	8270D		1			314976	07/20/16 16:45	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314434	07/15/16 09:43	RMC	TAL PEN
Total/NA	Analysis	8270D LL		5			314990	07/20/16 07:12	VC1	TAL PEN
Total/NA	Prep	8011			34.3 mL	35 mL	314557	07/16/16 11:14	AM	TAL PEN
Total/NA	Analysis	8011		1			314704	07/18/16 19:47	AM	TAL PEN

Client Sample ID: P74-ROX-071216-MSD

Lab Sample ID: 400-124395-4 MSD

Date Collected: 07/12/16 10:00
Date Received: 07/13/16 08:29

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	315307	07/22/16 12:47	RS	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314434	07/15/16 09:43	RMC	TAL PEN
Total/NA	Analysis	8270D		1			314976	07/20/16 17:19	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314434	07/15/16 09:43	RMC	TAL PEN
Total/NA	Analysis	8270D LL		5			314990	07/20/16 07:38	VC1	TAL PEN
Total/NA	Prep	8011			35.5 mL	35 mL	314557	07/16/16 11:14	AM	TAL PEN
Total/NA	Analysis	8011		1			314704	07/18/16 20:46	AM	TAL PEN

Client Sample ID: Matrix Spike

Lab Sample ID: 400-124559-E-3 MS

Date Collected: 07/14/16 09:35
Date Received: 07/15/16 15:08

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	315486	07/23/16 18:49	HLW	TAL PEN

Client Sample ID: Matrix Spike Duplicate — **Lab Sample ID: 400-124559-E-3 MSD**

Date Collected: 07/14/16 09:35 — **Matrix: Water**

Date Received: 07/15/16 15:08

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	315486	07/23/16 19:15	HLW	TAL PEN

Laboratory References:

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

GC/MS VOA

Analysis Batch: 315307

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124395-2	TB-ROX-071216W-8260	Total/NA	Water	8260B	
400-124395-3	P56-ROX-071216	Total/NA	Water	8260B	
400-124395-4	P74-ROX-071216	Total/NA	Water	8260B	
400-124395-6	P93C-ROX-071216	Total/NA	Water	8260B	
400-124395-7	T12-ROX-071216	Total/NA	Water	8260B	
MB 400-315307/4	Method Blank	Total/NA	Water	8260B	
LCS 400-315307/1002	Lab Control Sample	Total/NA	Water	8260B	
400-124395-4 MS	P74-ROX-071216-MS	Total/NA	Water	8260B	
400-124395-4 MSD	P74-ROX-071216-MSD	Total/NA	Water	8260B	

Analysis Batch: 315486

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124395-5	P93C-ROX-071216-EB	Total/NA	Water	8260B	
MB 400-315486/4	Method Blank	Total/NA	Water	8260B	
LCS 400-315486/1002	Lab Control Sample	Total/NA	Water	8260B	
400-124559-E-3 MS	Matrix Spike	Total/NA	Water	8260B	
400-124559-E-3 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 314434

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124395-3	P56-ROX-071216	Total/NA	Water	3520C	
400-124395-4	P74-ROX-071216	Total/NA	Water	3520C	
400-124395-5	P93C-ROX-071216-EB	Total/NA	Water	3520C	
400-124395-6	P93C-ROX-071216	Total/NA	Water	3520C	
400-124395-7	T12-ROX-071216	Total/NA	Water	3520C	
MB 400-314434/1-A	Method Blank	Total/NA	Water	3520C	
LCS 400-314434/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCS 400-314434/4-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 400-314434/3-A	Lab Control Sample Dup	Total/NA	Water	3520C	
LCSD 400-314434/5-A	Lab Control Sample Dup	Total/NA	Water	3520C	
400-124395-4 MS	P74-ROX-071216-MS	Total/NA	Water	3520C	
400-124395-4 MSD	P74-ROX-071216-MSD	Total/NA	Water	3520C	

Analysis Batch: 314976

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124395-3	P56-ROX-071216	Total/NA	Water	8270D	314434
400-124395-4	P74-ROX-071216	Total/NA	Water	8270D	314434
400-124395-5	P93C-ROX-071216-EB	Total/NA	Water	8270D	314434
400-124395-6	P93C-ROX-071216	Total/NA	Water	8270D	314434
400-124395-7	T12-ROX-071216	Total/NA	Water	8270D	314434
MB 400-314434/1-A	Method Blank	Total/NA	Water	8270D	314434
LCS 400-314434/2-A	Lab Control Sample	Total/NA	Water	8270D	314434
LCS 400-314434/4-A	Lab Control Sample	Total/NA	Water	8270D	314434
LCSD 400-314434/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	314434
LCSD 400-314434/5-A	Lab Control Sample Dup	Total/NA	Water	8270D	314434
400-124395-4 MS	P74-ROX-071216-MS	Total/NA	Water	8270D	314434
400-124395-4 MSD	P74-ROX-071216-MSD	Total/NA	Water	8270D	314434

GC/MS Semi VOA (Continued)

Analysis Batch: 314990

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124395-3	P56-ROX-071216	Total/NA	Water	8270D LL	314434
400-124395-4	P74-ROX-071216	Total/NA	Water	8270D LL	314434
400-124395-5	P93C-ROX-071216-EB	Total/NA	Water	8270D LL	314434
400-124395-6	P93C-ROX-071216	Total/NA	Water	8270D LL	314434
400-124395-7	T12-ROX-071216	Total/NA	Water	8270D LL	314434
MB 400-314434/1-A	Method Blank	Total/NA	Water	8270D LL	314434
LCS 400-314434/2-A	Lab Control Sample	Total/NA	Water	8270D LL	314434
LCSD 400-314434/3-A	Lab Control Sample Dup	Total/NA	Water	8270D LL	314434
400-124395-4 MS	P74-ROX-071216-MS	Total/NA	Water	8270D LL	314434
400-124395-4 MSD	P74-ROX-071216-MSD	Total/NA	Water	8270D LL	314434

GC Semi VOA

Prep Batch: 314555

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124395-5	P93C-ROX-071216-EB	Total/NA	Water	8011	
400-124395-6	P93C-ROX-071216	Total/NA	Water	8011	
400-124395-7	T12-ROX-071216	Total/NA	Water	8011	
MB 400-314555/1-A	Method Blank	Total/NA	Water	8011	
LCS 400-314555/2-A	Lab Control Sample	Total/NA	Water	8011	
400-124217-C-3-B MS	Matrix Spike	Total/NA	Water	8011	
400-124217-C-3-C MSD	Matrix Spike Duplicate	Total/NA	Water	8011	

Prep Batch: 314557

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124395-1	TB-ROX-071216W-8011	Total/NA	Water	8011	
400-124395-3	P56-ROX-071216	Total/NA	Water	8011	
400-124395-4	P74-ROX-071216	Total/NA	Water	8011	
MB 400-314557/1-A	Method Blank	Total/NA	Water	8011	
LCS 400-314557/2-A	Lab Control Sample	Total/NA	Water	8011	
400-124395-4 MS	P74-ROX-071216-MS	Total/NA	Water	8011	
400-124395-4 MSD	P74-ROX-071216-MSD	Total/NA	Water	8011	

Analysis Batch: 314609

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124395-5	P93C-ROX-071216-EB	Total/NA	Water	8011	314555
400-124395-6	P93C-ROX-071216	Total/NA	Water	8011	314555
400-124395-7	T12-ROX-071216	Total/NA	Water	8011	314555
MB 400-314555/1-A	Method Blank	Total/NA	Water	8011	314555
LCS 400-314555/2-A	Lab Control Sample	Total/NA	Water	8011	314555
400-124217-C-3-B MS	Matrix Spike	Total/NA	Water	8011	314555
400-124217-C-3-C MSD	Matrix Spike Duplicate	Total/NA	Water	8011	314555

Analysis Batch: 314704

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124395-1	TB-ROX-071216W-8011	Total/NA	Water	8011	314557
400-124395-3	P56-ROX-071216	Total/NA	Water	8011	314557
400-124395-4	P74-ROX-071216	Total/NA	Water	8011	314557
MB 400-314557/1-A	Method Blank	Total/NA	Water	8011	314557
LCS 400-314557/2-A	Lab Control Sample	Total/NA	Water	8011	314557

GC Semi VOA (Continued)

Analysis Batch: 314704 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124395-4 MS	P74-ROX-071216-MS	Total/NA	Water	8011	314557
400-124395-4 MSD	P74-ROX-071216-MSD	Total/NA	Water	8011	314557

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

Lab Sample ID: MB 400-315307/4
Matrix: Water
Analysis Batch: 315307

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			07/22/16 07:57	1
Acrolein	ND		20	10	ug/L			07/22/16 07:57	1
Acrylonitrile	ND		10	2.8	ug/L			07/22/16 07:57	1
Benzene	ND		1.0	0.38	ug/L			07/22/16 07:57	1
Bromobenzene	ND		1.0	0.54	ug/L			07/22/16 07:57	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/22/16 07:57	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/22/16 07:57	1
Bromoform	ND		5.0	0.71	ug/L			07/22/16 07:57	1
Bromomethane	ND		1.0	0.98	ug/L			07/22/16 07:57	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/22/16 07:57	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/22/16 07:57	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			07/22/16 07:57	1
Chlorobenzene	ND		1.0	0.50	ug/L			07/22/16 07:57	1
Dibromochloromethane	ND		1.0	0.50	ug/L			07/22/16 07:57	1
Chloroethane	ND		1.0	0.76	ug/L			07/22/16 07:57	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/22/16 07:57	1
Chloroform	ND		1.0	0.60	ug/L			07/22/16 07:57	1
1-Chlorohexane	ND		1.0	0.70	ug/L			07/22/16 07:57	1
Chloromethane	ND		1.0	0.83	ug/L			07/22/16 07:57	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/22/16 07:57	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/22/16 07:57	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/22/16 07:57	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/22/16 07:57	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/22/16 07:57	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/22/16 07:57	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/22/16 07:57	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			07/22/16 07:57	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/22/16 07:57	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/22/16 07:57	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/22/16 07:57	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/22/16 07:57	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			07/22/16 07:57	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/22/16 07:57	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/22/16 07:57	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/22/16 07:57	1
2-Hexanone	ND		25	3.1	ug/L			07/22/16 07:57	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/22/16 07:57	1
Methylene bromide	ND		5.0	0.59	ug/L			07/22/16 07:57	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/22/16 07:57	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/22/16 07:57	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			07/22/16 07:57	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			07/22/16 07:57	1
Naphthalene	ND		1.0	1.0	ug/L			07/22/16 07:57	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/22/16 07:57	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/22/16 07:57	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/22/16 07:57	1
o-Xylene	ND		5.0	0.60	ug/L			07/22/16 07:57	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/22/16 07:57	1

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

Lab Sample ID: MB 400-315307/4
Matrix: Water
Analysis Batch: 315307

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			07/22/16 07:57	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/22/16 07:57	1
Styrene	ND		1.0	1.0	ug/L			07/22/16 07:57	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/22/16 07:57	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			07/22/16 07:57	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/22/16 07:57	1
Tetrachloroethene	ND		1.0	0.58	ug/L			07/22/16 07:57	1
Toluene	ND		1.0	0.70	ug/L			07/22/16 07:57	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/22/16 07:57	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/22/16 07:57	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			07/22/16 07:57	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/22/16 07:57	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			07/22/16 07:57	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			07/22/16 07:57	1
Trichloroethene	ND		1.0	0.50	ug/L			07/22/16 07:57	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			07/22/16 07:57	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/22/16 07:57	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/22/16 07:57	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/22/16 07:57	1
Vinyl acetate	ND		25	2.0	ug/L			07/22/16 07:57	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/22/16 07:57	1
Xylenes, Total	ND		10	1.6	ug/L			07/22/16 07:57	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*78 - 118*		*07/22/16 07:57*	*1*
Dibromofluoromethane	*106*		*81 - 121*		*07/22/16 07:57*	*1*
Toluene-d8 (Surr)	*90*		*80 - 120*		*07/22/16 07:57*	*1*

Lab Sample ID: LCS 400-315307/1002
Matrix: Water
Analysis Batch: 315307

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	200	201		ug/L		100	43 - 160
Acrolein	400	450		ug/L		113	38 - 160
Acrylonitrile	500	571		ug/L		114	64 - 142
Benzene	50.0	54.8		ug/L		110	70 - 130
Bromobenzene	50.0	54.1		ug/L		108	70 - 132
Bromochloromethane	50.0	53.2		ug/L		106	70 - 130
Bromodichloromethane	50.0	55.6		ug/L		111	67 - 133
Bromoform	50.0	56.8		ug/L		114	57 - 140
Bromomethane	40.0	42.9		ug/L		107	10 - 160
2-Butanone (MEK)	200	220		ug/L		110	61 - 145
Carbon disulfide	50.0	54.1		ug/L		108	61 - 137
Carbon tetrachloride	50.0	52.3		ug/L		105	61 - 137
Chlorobenzene	50.0	56.6		ug/L		113	70 - 130
Dibromochloromethane	50.0	56.2		ug/L		112	67 - 135
Chloroethane	40.0	45.5		ug/L		114	55 - 141

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

Lab Sample ID: LCS 400-315307/1002
Matrix: Water
Analysis Batch: 315307

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	47.7		ug/L		119	10 - 160
Chloroform	50.0	53.7		ug/L		107	69 - 130
1-Chlorohexane	50.0	55.9		ug/L		112	69 - 130
Chloromethane	40.0	43.3		ug/L		108	58 - 137
cis-1,2-Dichloroethene	50.0	53.5		ug/L		107	68 - 130
cis-1,3-Dichloropropene	50.0	55.8		ug/L		112	69 - 132
1,2-Dichlorobenzene	50.0	54.2		ug/L		108	67 - 130
1,3-Dichlorobenzene	50.0	54.4		ug/L		109	70 - 130
1,4-Dichlorobenzene	50.0	56.2		ug/L		112	70 - 130
Dichlorodifluoromethane	40.0	41.0		ug/L		102	41 - 146
1,1-Dichloroethane	50.0	55.0		ug/L		110	70 - 130
1,2-Dichloroethane	50.0	53.5		ug/L		107	69 - 130
1,1-Dichloroethene	50.0	53.1		ug/L		106	63 - 134
1,2-Dichloropropane	50.0	52.8		ug/L		106	70 - 130
1,3-Dichloropropane	50.0	54.3		ug/L		109	70 - 130
2,2-Dichloropropane	50.0	52.6		ug/L		105	52 - 135
1,1-Dichloropropene	50.0	55.1		ug/L		110	70 - 130
Ethylbenzene	50.0	55.3		ug/L		111	70 - 130
Ethyl methacrylate	50.0	56.0		ug/L		112	68 - 130
Hexachlorobutadiene	50.0	54.7		ug/L		109	53 - 140
2-Hexanone	200	224		ug/L		112	65 - 137
Isopropylbenzene	50.0	56.2		ug/L		112	70 - 130
Methylene bromide	50.0	53.7		ug/L		107	70 - 130
Methylene Chloride	50.0	53.1		ug/L		106	66 - 135
4-Methyl-2-pentanone (MIBK)	200	232		ug/L		116	69 - 138
Methyl tert-butyl ether	50.0	53.9		ug/L		108	66 - 130
m-Xylene & p-Xylene	50.0	55.4		ug/L		111	70 - 130
Naphthalene	50.0	51.9		ug/L		104	47 - 149
n-Butylbenzene	50.0	53.1		ug/L		106	67 - 130
N-Propylbenzene	50.0	52.5		ug/L		105	70 - 130
o-Chlorotoluene	50.0	50.9		ug/L		102	70 - 130
o-Xylene	50.0	55.4		ug/L		111	70 - 130
p-Chlorotoluene	50.0	52.3		ug/L		105	70 - 130
p-Isopropyltoluene	50.0	53.4		ug/L		107	65 - 130
sec-Butylbenzene	50.0	51.8		ug/L		104	66 - 130
Styrene	50.0	55.0		ug/L		110	70 - 130
tert-Butylbenzene	50.0	54.9		ug/L		110	64 - 139
1,1,1,2-Tetrachloroethane	50.0	56.9		ug/L		114	67 - 131
1,1,2,2-Tetrachloroethane	50.0	57.1		ug/L		114	70 - 131
Tetrachloroethene	50.0	54.8		ug/L		110	65 - 130
Toluene	50.0	55.3		ug/L		111	70 - 130
trans-1,2-Dichloroethene	50.0	53.3		ug/L		107	70 - 130
trans-1,3-Dichloropropene	50.0	56.1		ug/L		112	63 - 130
1,2,3-Trichlorobenzene	50.0	56.4		ug/L		113	60 - 138
1,2,4-Trichlorobenzene	50.0	56.0		ug/L		112	60 - 140
1,1,1-Trichloroethane	50.0	55.1		ug/L		110	68 - 130
1,1,2-Trichloroethane	50.0	56.1		ug/L		112	70 - 130
Trichloroethene	50.0	56.6		ug/L		113	70 - 130

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

Lab Sample ID: LCS 400-315307/1002
Matrix: Water
Analysis Batch: 315307

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	43.5		ug/L		109	65 - 138
1,2,3-Trichloropropane	50.0	53.5		ug/L		107	70 - 130
1,2,4-Trimethylbenzene	50.0	50.5		ug/L		101	70 - 130
1,3,5-Trimethylbenzene	50.0	54.7		ug/L		109	69 - 130
Vinyl acetate	80.0	89.5		ug/L		112	26 - 160
Vinyl chloride	40.0	44.3		ug/L		111	59 - 136
Xylenes, Total	100	111		ug/L		111	70 - 130

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

Lab Sample ID: 400-124395-4 MS
Matrix: Water
Analysis Batch: 315307

Client Sample ID: P74-ROX-071216-MS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		200	243		ug/L		121	43 - 160
Acrolein	ND		400	434		ug/L		108	38 - 160
Acrylonitrile	ND		500	600		ug/L		120	62 - 149
Benzene	23		50.0	75.2		ug/L		105	56 - 142
Bromobenzene	ND		50.0	55.7		ug/L		111	59 - 136
Bromochloromethane	ND		50.0	55.6		ug/L		111	64 - 140
Bromodichloromethane	ND		50.0	56.0		ug/L		112	59 - 143
Bromoform	ND		50.0	53.7		ug/L		107	50 - 140
Bromomethane	ND		40.0	30.7		ug/L		77	10 - 160
2-Butanone (MEK)	ND		200	218		ug/L		109	55 - 150
Carbon disulfide	ND		50.0	56.1		ug/L		112	48 - 152
Carbon tetrachloride	ND		50.0	52.4		ug/L		105	55 - 145
Chlorobenzene	ND		50.0	57.3		ug/L		115	64 - 130
Dibromochloromethane	ND		50.0	55.1		ug/L		110	56 - 143
Chloroethane	ND		40.0	44.8		ug/L		112	50 - 151
2-Chloroethyl vinyl ether	ND	F1	40.0	ND	F1	ug/L		0	10 - 160
Chloroform	ND		50.0	55.8		ug/L		112	60 - 141
1-Chlorohexane	ND		50.0	56.3		ug/L		113	56 - 136
Chloromethane	ND		40.0	38.8		ug/L		97	49 - 148
cis-1,2-Dichloroethene	ND		50.0	54.7		ug/L		109	59 - 143
cis-1,3-Dichloropropene	ND		50.0	55.7		ug/L		111	57 - 140
1,2-Dichlorobenzene	ND		50.0	54.0		ug/L		108	52 - 137
1,3-Dichlorobenzene	ND		50.0	53.9		ug/L		108	54 - 135
1,4-Dichlorobenzene	ND		50.0	56.0		ug/L		112	53 - 135
Dichlorodifluoromethane	ND		40.0	39.3		ug/L		98	16 - 160
1,1-Dichloroethane	ND		50.0	57.1		ug/L		114	61 - 144
1,2-Dichloroethane	ND		50.0	54.8		ug/L		110	60 - 141
1,1-Dichloroethene	ND		50.0	54.8		ug/L		110	54 - 147
1,2-Dichloropropane	ND		50.0	54.1		ug/L		108	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: 400-124395-4 MS
Matrix: Water
Analysis Batch: 315307

Client Sample ID: P74-ROX-071216-MS
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	52.5		ug/L		105	42 - 144
1,1-Dichloropropene	ND		50.0	55.3		ug/L		111	65 - 136
Ethylbenzene	2.1		50.0	56.9		ug/L		110	58 - 131
Ethyl methacrylate	ND		50.0	57.5		ug/L		115	64 - 130
Hexachlorobutadiene	ND		50.0	51.1		ug/L		102	31 - 149
2-Hexanone	ND		200	228		ug/L		114	65 - 140
Isopropylbenzene	ND		50.0	56.0		ug/L		112	56 - 133
Methylene bromide	ND		50.0	56.5		ug/L		113	63 - 138
Methylene Chloride	ND		50.0	54.3		ug/L		109	60 - 146
4-Methyl-2-pentanone (MIBK)	ND		200	241		ug/L		120	63 - 146
Methyl tert-butyl ether	ND		50.0	55.6		ug/L		111	59 - 137
m-Xylene & p-Xylene	6.9		50.0	60.5		ug/L		107	57 - 130
Naphthalene	1.8		50.0	56.1		ug/L		109	25 - 160
n-Butylbenzene	ND		50.0	53.2		ug/L		106	41 - 142
N-Propylbenzene	ND		50.0	53.7		ug/L		107	51 - 138
o-Chlorotoluene	ND		50.0	51.1		ug/L		102	53 - 134
o-Xylene	0.89	J	50.0	55.6		ug/L		109	61 - 130
p-Chlorotoluene	ND		50.0	54.6		ug/L		109	54 - 133
p-Isopropyltoluene	ND		50.0	53.9		ug/L		108	48 - 139
sec-Butylbenzene	ND		50.0	51.8		ug/L		104	50 - 138
Styrene	ND		50.0	54.8		ug/L		110	58 - 131
tert-Butylbenzene	ND		50.0	56.7		ug/L		113	54 - 146
1,1,1,2-Tetrachloroethane	ND		50.0	55.9		ug/L		112	59 - 137
1,1,2,2-Tetrachloroethane	ND		50.0	59.1		ug/L		118	66 - 135
Tetrachloroethene	ND		50.0	54.4		ug/L		109	52 - 133
Toluene	1.3		50.0	57.6		ug/L		113	65 - 130
trans-1,2-Dichloroethene	ND		50.0	53.5		ug/L		107	61 - 143
trans-1,3-Dichloropropene	ND		50.0	55.7		ug/L		111	53 - 133
1,2,3-Trichlorobenzene	ND		50.0	54.8		ug/L		110	43 - 145
1,2,4-Trichlorobenzene	ND		50.0	52.7		ug/L		105	39 - 148
1,1,1-Trichloroethane	ND		50.0	56.0		ug/L		112	57 - 142
1,1,2-Trichloroethane	ND		50.0	58.0		ug/L		116	66 - 131
Trichloroethene	ND		50.0	57.1		ug/L		114	64 - 136
Trichlorofluoromethane	ND		40.0	43.5		ug/L		109	54 - 156
1,2,3-Trichloropropane	ND		50.0	57.0		ug/L		114	65 - 133
1,2,4-Trimethylbenzene	16		50.0	63.6		ug/L		96	50 - 139
1,3,5-Trimethylbenzene	9.8		50.0	62.9		ug/L		106	52 - 135
Vinyl acetate	ND		80.0	86.7		ug/L		108	26 - 160
Vinyl chloride	ND		40.0	40.0		ug/L		100	46 - 152
Xylenes, Total	7.8	J	100	116		ug/L		108	59 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*78 - 118*
Dibromofluoromethane	*101*		*81 - 121*
Toluene-d8 (Surr)	*99*		*80 - 120*

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

Lab Sample ID: 400-124395-4 MSD
Matrix: Water
Analysis Batch: 315307

Client Sample ID: P74-ROX-071216-MSD
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	ND		200	236		ug/L		118	43 - 160	3	30
Acrolein	ND		400	398		ug/L		100	38 - 160	9	31
Acrylonitrile	ND		500	563		ug/L		113	62 - 149	6	30
Benzene	23		50.0	69.3		ug/L		93	56 - 142	8	30
Bromobenzene	ND		50.0	50.9		ug/L		102	59 - 136	9	30
Bromochloromethane	ND		50.0	49.3		ug/L		99	64 - 140	12	30
Bromodichloromethane	ND		50.0	51.3		ug/L		103	59 - 143	9	30
Bromoform	ND		50.0	49.6		ug/L		99	50 - 140	8	30
Bromomethane	ND		40.0	32.0		ug/L		80	10 - 160	4	50
2-Butanone (MEK)	ND		200	207		ug/L		103	55 - 150	5	30
Carbon disulfide	ND		50.0	51.1		ug/L		102	48 - 152	9	30
Carbon tetrachloride	ND		50.0	47.6		ug/L		95	55 - 145	10	30
Chlorobenzene	ND		50.0	52.5		ug/L		105	64 - 130	9	30
Dibromochloromethane	ND		50.0	51.2		ug/L		102	56 - 143	7	30
Chloroethane	ND		40.0	41.0		ug/L		102	50 - 151	9	30
2-Chloroethyl vinyl ether	ND	F1	40.0	ND	F1	ug/L		0	10 - 160	NC	50
Chloroform	ND		50.0	50.1		ug/L		100	60 - 141	11	30
1-Chlorohexane	ND		50.0	51.9		ug/L		104	56 - 136	8	30
Chloromethane	ND		40.0	34.2		ug/L		86	49 - 148	12	31
cis-1,2-Dichloroethene	ND		50.0	49.7		ug/L		99	59 - 143	10	30
cis-1,3-Dichloropropene	ND		50.0	50.3		ug/L		101	57 - 140	10	30
1,2-Dichlorobenzene	ND		50.0	49.1		ug/L		98	52 - 137	10	30
1,3-Dichlorobenzene	ND		50.0	49.2		ug/L		98	54 - 135	9	30
1,4-Dichlorobenzene	ND		50.0	50.6		ug/L		101	53 - 135	10	30
Dichlorodifluoromethane	ND		40.0	34.4		ug/L		86	16 - 160	13	31
1,1-Dichloroethane	ND		50.0	51.6		ug/L		103	61 - 144	10	30
1,2-Dichloroethane	ND		50.0	50.2		ug/L		100	60 - 141	9	30
1,1-Dichloroethene	ND		50.0	51.3		ug/L		103	54 - 147	7	30
1,2-Dichloropropane	ND		50.0	49.3		ug/L		99	66 - 137	9	30
1,3-Dichloropropane	ND		50.0	52.1		ug/L		104	66 - 133	8	30
2,2-Dichloropropane	ND		50.0	47.7		ug/L		95	42 - 144	10	31
1,1-Dichloropropene	ND		50.0	49.9		ug/L		100	65 - 136	10	30
Ethylbenzene	2.1		50.0	52.7		ug/L		101	58 - 131	8	30
Ethyl methacrylate	ND		50.0	53.7		ug/L		107	64 - 130	7	30
Hexachlorobutadiene	ND		50.0	47.7		ug/L		95	31 - 149	7	36
2-Hexanone	ND		200	217		ug/L		109	65 - 140	5	30
Isopropylbenzene	ND		50.0	52.0		ug/L		104	56 - 133	7	30
Methylene bromide	ND		50.0	51.4		ug/L		103	63 - 138	9	30
Methylene Chloride	ND		50.0	48.4		ug/L		97	60 - 146	11	32
4-Methyl-2-pentanone (MIBK)	ND		200	227		ug/L		113	63 - 146	6	30
Methyl tert-butyl ether	ND		50.0	51.1		ug/L		102	59 - 137	9	30
m-Xylene & p-Xylene	6.9		50.0	56.5		ug/L		99	57 - 130	7	30
Naphthalene	1.8		50.0	52.5		ug/L		101	25 - 160	7	30
n-Butylbenzene	ND		50.0	48.9		ug/L		98	41 - 142	8	31
N-Propylbenzene	ND		50.0	48.6		ug/L		97	51 - 138	10	30
o-Chlorotoluene	ND		50.0	46.3		ug/L		93	53 - 134	10	30
o-Xylene	0.89	J	50.0	51.8		ug/L		102	61 - 130	7	30
p-Chlorotoluene	ND		50.0	49.8		ug/L		100	54 - 133	9	30

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

Lab Sample ID: 400-124395-4 MSD
Matrix: Water
Analysis Batch: 315307

Client Sample ID: P74-ROX-071216-MSD
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	49.1		ug/L		98	48 - 139	9	30
sec-Butylbenzene	ND		50.0	47.8		ug/L		96	50 - 138	8	30
Styrene	ND		50.0	50.1		ug/L		100	58 - 131	9	30
tert-Butylbenzene	ND		50.0	52.5		ug/L		105	54 - 146	8	30
1,1,1,2-Tetrachloroethane	ND		50.0	51.4		ug/L		103	59 - 137	8	30
1,1,2,2-Tetrachloroethane	ND		50.0	55.1		ug/L		110	66 - 135	7	30
Tetrachloroethene	ND		50.0	50.0		ug/L		100	52 - 133	8	30
Toluene	1.3		50.0	52.9		ug/L		103	65 - 130	9	30
trans-1,2-Dichloroethene	ND		50.0	48.2		ug/L		96	61 - 143	10	30
trans-1,3-Dichloropropene	ND		50.0	52.1		ug/L		104	53 - 133	7	30
1,2,3-Trichlorobenzene	ND		50.0	49.9		ug/L		100	43 - 145	9	30
1,2,4-Trichlorobenzene	ND		50.0	47.1		ug/L		94	39 - 148	11	30
1,1,1-Trichloroethane	ND		50.0	50.6		ug/L		101	57 - 142	10	30
1,1,2-Trichloroethane	ND		50.0	53.1		ug/L		106	66 - 131	9	30
Trichloroethene	ND		50.0	51.5		ug/L		103	64 - 136	10	30
Trichlorofluoromethane	ND		40.0	37.4		ug/L		93	54 - 156	15	30
1,2,3-Trichloropropane	ND		50.0	53.7		ug/L		107	65 - 133	6	30
1,2,4-Trimethylbenzene	16		50.0	58.9		ug/L		87	50 - 139	8	30
1,3,5-Trimethylbenzene	9.8		50.0	58.4		ug/L		97	52 - 135	7	30
Vinyl acetate	ND		80.0	78.7		ug/L		98	26 - 160	10	33
Vinyl chloride	ND		40.0	35.2		ug/L		88	46 - 152	13	30
Xylenes, Total	7.8	J	100	108		ug/L		101	59 - 130	7	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*103*		*78 - 118*
Dibromofluoromethane	*100*		*81 - 121*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: MB 400-315486/4
Matrix: Water
Analysis Batch: 315486

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			07/23/16 16:39	1
Acrolein	ND		20	10	ug/L			07/23/16 16:39	1
Acrylonitrile	ND		10	2.8	ug/L			07/23/16 16:39	1
Benzene	ND		1.0	0.38	ug/L			07/23/16 16:39	1
Bromobenzene	ND		1.0	0.54	ug/L			07/23/16 16:39	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/23/16 16:39	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/23/16 16:39	1
Bromoform	ND		5.0	0.71	ug/L			07/23/16 16:39	1
Bromomethane	ND		1.0	0.98	ug/L			07/23/16 16:39	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/23/16 16:39	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/23/16 16:39	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			07/23/16 16:39	1
Chlorobenzene	ND		1.0	0.50	ug/L			07/23/16 16:39	1
Dibromochloromethane	ND		1.0	0.50	ug/L			07/23/16 16:39	1
Chloroethane	ND		1.0	0.76	ug/L			07/23/16 16:39	1

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

Lab Sample ID: MB 400-315486/4
Matrix: Water
Analysis Batch: 315486

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			07/23/16 16:39	1
Chloroform	ND		1.0	0.60	ug/L			07/23/16 16:39	1
1-Chlorohexane	ND		1.0	0.70	ug/L			07/23/16 16:39	1
Chloromethane	ND		1.0	0.83	ug/L			07/23/16 16:39	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/23/16 16:39	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/23/16 16:39	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/23/16 16:39	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/23/16 16:39	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/23/16 16:39	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/23/16 16:39	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/23/16 16:39	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			07/23/16 16:39	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/23/16 16:39	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/23/16 16:39	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/23/16 16:39	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/23/16 16:39	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			07/23/16 16:39	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/23/16 16:39	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/23/16 16:39	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/23/16 16:39	1
2-Hexanone	ND		25	3.1	ug/L			07/23/16 16:39	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/23/16 16:39	1
Methylene bromide	ND		5.0	0.59	ug/L			07/23/16 16:39	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/23/16 16:39	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/23/16 16:39	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			07/23/16 16:39	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			07/23/16 16:39	1
Naphthalene	ND		1.0	1.0	ug/L			07/23/16 16:39	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/23/16 16:39	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/23/16 16:39	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/23/16 16:39	1
o-Xylene	ND		5.0	0.60	ug/L			07/23/16 16:39	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/23/16 16:39	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/23/16 16:39	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/23/16 16:39	1
Styrene	ND		1.0	1.0	ug/L			07/23/16 16:39	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/23/16 16:39	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			07/23/16 16:39	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/23/16 16:39	1
Tetrachloroethene	ND		1.0	0.58	ug/L			07/23/16 16:39	1
Toluene	ND		1.0	0.70	ug/L			07/23/16 16:39	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/23/16 16:39	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/23/16 16:39	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			07/23/16 16:39	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/23/16 16:39	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			07/23/16 16:39	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			07/23/16 16:39	1
Trichloroethene	ND		1.0	0.50	ug/L			07/23/16 16:39	1

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

Lab Sample ID: MB 400-315486/4
Matrix: Water
Analysis Batch: 315486

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			07/23/16 16:39	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/23/16 16:39	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/23/16 16:39	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/23/16 16:39	1
Vinyl acetate	ND		25	2.0	ug/L			07/23/16 16:39	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/23/16 16:39	1
Xylenes, Total	ND		10	1.6	ug/L			07/23/16 16:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*78 - 118*		*07/23/16 16:39*	*1*
Dibromofluoromethane	*103*		*81 - 121*		*07/23/16 16:39*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*07/23/16 16:39*	*1*

Lab Sample ID: LCS 400-315486/1002
Matrix: Water
Analysis Batch: 315486

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	200	199		ug/L		100	43 - 160
Acrolein	400	420		ug/L		105	38 - 160
Acrylonitrile	500	522		ug/L		104	64 - 142
Benzene	50.0	49.0		ug/L		98	70 - 130
Bromobenzene	50.0	52.1		ug/L		104	70 - 132
Bromochloromethane	50.0	47.0		ug/L		94	70 - 130
Bromodichloromethane	50.0	49.7		ug/L		99	67 - 133
Bromoform	50.0	51.4		ug/L		103	57 - 140
Bromomethane	40.0	29.6		ug/L		74	10 - 160
2-Butanone (MEK)	200	205		ug/L		102	61 - 145
Carbon disulfide	50.0	48.1		ug/L		96	61 - 137
Carbon tetrachloride	50.0	46.8		ug/L		94	61 - 137
Chlorobenzene	50.0	52.1		ug/L		104	70 - 130
Dibromochloromethane	50.0	50.8		ug/L		102	67 - 135
Chloroethane	40.0	38.7		ug/L		97	55 - 141
2-Chloroethyl vinyl ether	40.0	116	*	ug/L		289	10 - 160
Chloroform	50.0	47.0		ug/L		94	69 - 130
1-Chlorohexane	50.0	51.2		ug/L		102	69 - 130
Chloromethane	40.0	40.2		ug/L		100	58 - 137
cis-1,2-Dichloroethene	50.0	47.9		ug/L		96	68 - 130
cis-1,3-Dichloropropene	50.0	49.9		ug/L		100	69 - 132
1,2-Dichlorobenzene	50.0	51.8		ug/L		104	67 - 130
1,3-Dichlorobenzene	50.0	52.2		ug/L		104	70 - 130
1,4-Dichlorobenzene	50.0	54.0		ug/L		108	70 - 130
Dichlorodifluoromethane	40.0	36.0		ug/L		90	41 - 146
1,1-Dichloroethane	50.0	49.2		ug/L		98	70 - 130
1,2-Dichloroethane	50.0	47.8		ug/L		96	69 - 130
1,1-Dichloroethene	50.0	47.7		ug/L		95	63 - 134
1,2-Dichloropropane	50.0	47.4		ug/L		95	70 - 130
1,3-Dichloropropane	50.0	50.4		ug/L		101	70 - 130

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

Lab Sample ID: LCS 400-315486/1002
Matrix: Water
Analysis Batch: 315486

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	46.6		ug/L		93	52 - 135
1,1-Dichloropropene	50.0	49.3		ug/L		99	70 - 130
Ethylbenzene	50.0	50.6		ug/L		101	70 - 130
Ethyl methacrylate	50.0	51.5		ug/L		103	68 - 130
Hexachlorobutadiene	50.0	54.4		ug/L		109	53 - 140
2-Hexanone	200	213		ug/L		106	65 - 137
Isopropylbenzene	50.0	51.8		ug/L		104	70 - 130
Methylene bromide	50.0	49.1		ug/L		98	70 - 130
Methylene Chloride	50.0	47.7		ug/L		95	66 - 135
4-Methyl-2-pentanone (MIBK)	200	214		ug/L		107	69 - 138
Methyl tert-butyl ether	50.0	48.2		ug/L		96	66 - 130
m-Xylene & p-Xylene	50.0	51.0		ug/L		102	70 - 130
Naphthalene	50.0	53.1		ug/L		106	47 - 149
n-Butylbenzene	50.0	51.7		ug/L		103	67 - 130
N-Propylbenzene	50.0	50.0		ug/L		100	70 - 130
o-Chlorotoluene	50.0	48.9		ug/L		98	70 - 130
o-Xylene	50.0	50.9		ug/L		102	70 - 130
p-Chlorotoluene	50.0	51.3		ug/L		103	70 - 130
p-Isopropyltoluene	50.0	51.3		ug/L		103	65 - 130
sec-Butylbenzene	50.0	50.1		ug/L		100	66 - 130
Styrene	50.0	50.6		ug/L		101	70 - 130
tert-Butylbenzene	50.0	52.3		ug/L		105	64 - 139
1,1,1,2-Tetrachloroethane	50.0	51.2		ug/L		102	67 - 131
1,1,2,2-Tetrachloroethane	50.0	55.2		ug/L		110	70 - 131
Tetrachloroethene	50.0	50.4		ug/L		101	65 - 130
Toluene	50.0	50.4		ug/L		101	70 - 130
trans-1,2-Dichloroethene	50.0	47.7		ug/L		95	70 - 130
trans-1,3-Dichloropropene	50.0	50.8		ug/L		102	63 - 130
1,2,3-Trichlorobenzene	50.0	54.7		ug/L		109	60 - 138
1,2,4-Trichlorobenzene	50.0	56.1		ug/L		112	60 - 140
1,1,1-Trichloroethane	50.0	48.5		ug/L		97	68 - 130
1,1,2-Trichloroethane	50.0	50.9		ug/L		102	70 - 130
Trichloroethene	50.0	50.7		ug/L		101	70 - 130
Trichlorofluoromethane	40.0	38.8		ug/L		97	65 - 138
1,2,3-Trichloropropane	50.0	50.7		ug/L		101	70 - 130
1,2,4-Trimethylbenzene	50.0	48.5		ug/L		97	70 - 130
1,3,5-Trimethylbenzene	50.0	52.2		ug/L		104	69 - 130
Vinyl acetate	80.0	82.1		ug/L		103	26 - 160
Vinyl chloride	40.0	40.5		ug/L		101	59 - 136
Xylenes, Total	100	102		ug/L		102	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*103*		*78 - 118*
Dibromofluoromethane	*100*		*81 - 121*
Toluene-d8 (Surr)	*99*		*80 - 120*

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

Lab Sample ID: 400-124559-E-3 MS
Matrix: Water
Analysis Batch: 315486

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		200	183		ug/L		92	43 - 160
Acrolein	ND		400	476		ug/L		119	38 - 160
Acrylonitrile	ND		500	583		ug/L		117	62 - 149
Benzene	9.8		50.0	60.2		ug/L		101	56 - 142
Bromobenzene	ND		50.0	52.8		ug/L		106	59 - 136
Bromochloromethane	ND		50.0	50.9		ug/L		102	64 - 140
Bromodichloromethane	ND		50.0	51.8		ug/L		104	59 - 143
Bromoform	ND		50.0	53.4		ug/L		107	50 - 140
Bromomethane	ND		40.0	34.0		ug/L		85	10 - 160
2-Butanone (MEK)	ND		200	221		ug/L		110	55 - 150
Carbon disulfide	ND		50.0	51.0		ug/L		102	48 - 152
Carbon tetrachloride	ND		50.0	49.0		ug/L		98	55 - 145
Chlorobenzene	ND		50.0	55.6		ug/L		111	64 - 130
Dibromochloromethane	ND		50.0	52.9		ug/L		106	56 - 143
Chloroethane	ND		40.0	43.0		ug/L		108	50 - 151
2-Chloroethyl vinyl ether	ND	F1 *	40.0	ND	F1	ug/L		0	10 - 160
Chloroform	ND		50.0	51.0		ug/L		102	60 - 141
1-Chlorohexane	ND		50.0	53.6		ug/L		107	56 - 136
Chloromethane	ND		40.0	41.0		ug/L		103	49 - 148
cis-1,2-Dichloroethene	ND		50.0	51.4		ug/L		103	59 - 143
cis-1,3-Dichloropropene	ND		50.0	52.6		ug/L		105	57 - 140
1,2-Dichlorobenzene	ND		50.0	53.3		ug/L		107	52 - 137
1,3-Dichlorobenzene	ND		50.0	52.6		ug/L		105	54 - 135
1,4-Dichlorobenzene	ND		50.0	53.9		ug/L		108	53 - 135
Dichlorodifluoromethane	ND		40.0	35.0		ug/L		88	16 - 160
1,1-Dichloroethane	ND		50.0	52.3		ug/L		105	61 - 144
1,2-Dichloroethane	ND		50.0	52.0		ug/L		104	60 - 141
1,1-Dichloroethene	ND		50.0	50.7		ug/L		101	54 - 147
1,2-Dichloropropane	ND		50.0	50.2		ug/L		100	66 - 137
1,3-Dichloropropane	ND		50.0	54.6		ug/L		109	66 - 133
2,2-Dichloropropane	ND		50.0	48.4		ug/L		97	42 - 144
1,1-Dichloropropene	ND		50.0	51.7		ug/L		103	65 - 136
Ethylbenzene	ND		50.0	53.7		ug/L		107	58 - 131
Ethyl methacrylate	ND		50.0	56.0		ug/L		112	64 - 130
Hexachlorobutadiene	ND		50.0	51.0		ug/L		102	31 - 149
2-Hexanone	ND		200	233		ug/L		117	65 - 140
Isopropylbenzene	ND		50.0	54.6		ug/L		109	56 - 133
Methylene bromide	ND		50.0	52.3		ug/L		105	63 - 138
Methylene Chloride	ND		50.0	51.2		ug/L		102	60 - 146
4-Methyl-2-pentanone (MIBK)	ND		200	236		ug/L		118	63 - 146
Methyl tert-butyl ether	1.1		50.0	52.8		ug/L		103	59 - 137
m-Xylene & p-Xylene	ND		50.0	54.7		ug/L		109	57 - 130
Naphthalene	ND		50.0	54.2		ug/L		108	25 - 160
n-Butylbenzene	ND		50.0	50.0		ug/L		100	41 - 142
N-Propylbenzene	ND		50.0	50.3		ug/L		101	51 - 138
o-Chlorotoluene	ND		50.0	48.2		ug/L		96	53 - 134
o-Xylene	ND		50.0	54.2		ug/L		108	61 - 130
p-Chlorotoluene	ND		50.0	50.9		ug/L		102	54 - 133

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

Lab Sample ID: 400-124559-E-3 MS
Matrix: Water
Analysis Batch: 315486

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
p-Isopropyltoluene	ND		50.0	50.4		ug/L		101	48 - 139
sec-Butylbenzene	ND		50.0	49.8		ug/L		100	50 - 138
Styrene	ND		50.0	53.3		ug/L		107	58 - 131
tert-Butylbenzene	ND		50.0	53.4		ug/L		107	54 - 146
1,1,1,2-Tetrachloroethane	ND		50.0	53.9		ug/L		108	59 - 137
1,1,2,2-Tetrachloroethane	ND		50.0	56.6		ug/L		113	66 - 135
Tetrachloroethene	ND		50.0	52.0		ug/L		104	52 - 133
Toluene	1.3		50.0	55.0		ug/L		107	65 - 130
trans-1,2-Dichloroethene	ND		50.0	50.1		ug/L		100	61 - 143
trans-1,3-Dichloropropene	ND		50.0	53.5		ug/L		107	53 - 133
1,2,3-Trichlorobenzene	ND		50.0	54.0		ug/L		108	43 - 145
1,2,4-Trichlorobenzene	ND		50.0	53.9		ug/L		108	39 - 148
1,1,1-Trichloroethane	ND		50.0	52.5		ug/L		105	57 - 142
1,1,2-Trichloroethane	ND		50.0	56.2		ug/L		112	66 - 131
Trichloroethene	ND		50.0	53.1		ug/L		106	64 - 136
Trichlorofluoromethane	ND		40.0	43.7		ug/L		109	54 - 156
1,2,3-Trichloropropane	ND		50.0	55.9		ug/L		112	65 - 133
1,2,4-Trimethylbenzene	ND		50.0	49.7		ug/L		99	50 - 139
1,3,5-Trimethylbenzene	ND		50.0	53.0		ug/L		106	52 - 135
Vinyl acetate	ND		80.0	88.3		ug/L		110	26 - 160
Vinyl chloride	ND		40.0	41.9		ug/L		105	46 - 152
Xylenes, Total	1.7	J	100	109		ug/L		107	59 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*78 - 118*
Dibromofluoromethane	*99*		*81 - 121*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: 400-124559-E-3 MSD
Matrix: Water
Analysis Batch: 315486

Client Sample ID: Matrix Spike Duplicate
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	168		ug/L		84	43 - 160	9	30
Acrolein	ND		400	433		ug/L		108	38 - 160	9	31
Acrylonitrile	ND		500	534		ug/L		107	62 - 149	9	30
Benzene	9.8		50.0	58.1		ug/L		96	56 - 142	4	30
Bromobenzene	ND		50.0	50.4		ug/L		101	59 - 136	5	30
Bromochloromethane	ND		50.0	48.0		ug/L		96	64 - 140	6	30
Bromodichloromethane	ND		50.0	49.9		ug/L		100	59 - 143	4	30
Bromoform	ND		50.0	49.8		ug/L		100	50 - 140	7	30
Bromomethane	ND		40.0	31.3		ug/L		78	10 - 160	8	50
2-Butanone (MEK)	ND		200	200		ug/L		100	55 - 150	10	30
Carbon disulfide	ND		50.0	48.5		ug/L		97	48 - 152	5	30
Carbon tetrachloride	ND		50.0	47.2		ug/L		94	55 - 145	4	30
Chlorobenzene	ND		50.0	52.1		ug/L		104	64 - 130	6	30
Dibromochloromethane	ND		50.0	49.5		ug/L		99	56 - 143	7	30
Chloroethane	ND		40.0	40.4		ug/L		101	50 - 151	6	30

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

Lab Sample ID: 400-124559-E-3 MSD
Matrix: Water
Analysis Batch: 315486

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Chloroethyl vinyl ether	ND	F1 *	40.0	ND	F1	ug/L		0	10 - 160	NC	50
Chloroform	ND		50.0	48.4		ug/L		97	60 - 141	5	30
1-Chlorohexane	ND		50.0	51.1		ug/L		102	56 - 136	5	30
Chloromethane	ND		40.0	38.5		ug/L		96	49 - 148	6	31
cis-1,2-Dichloroethene	ND		50.0	49.1		ug/L		98	59 - 143	5	30
cis-1,3-Dichloropropene	ND		50.0	49.4		ug/L		99	57 - 140	6	30
1,2-Dichlorobenzene	ND		50.0	51.3		ug/L		103	52 - 137	4	30
1,3-Dichlorobenzene	ND		50.0	50.5		ug/L		101	54 - 135	4	30
1,4-Dichlorobenzene	ND		50.0	52.6		ug/L		105	53 - 135	3	30
Dichlorodifluoromethane	ND		40.0	33.1		ug/L		83	16 - 160	6	31
1,1-Dichloroethane	ND		50.0	49.7		ug/L		99	61 - 144	5	30
1,2-Dichloroethane	ND		50.0	48.3		ug/L		97	60 - 141	7	30
1,1-Dichloroethene	ND		50.0	48.0		ug/L		96	54 - 147	5	30
1,2-Dichloropropane	ND		50.0	48.2		ug/L		96	66 - 137	4	30
1,3-Dichloropropane	ND		50.0	51.3		ug/L		103	66 - 133	6	30
2,2-Dichloropropane	ND		50.0	45.8		ug/L		92	42 - 144	6	31
1,1-Dichloropropene	ND		50.0	49.6		ug/L		99	65 - 136	4	30
Ethylbenzene	ND		50.0	51.2		ug/L		102	58 - 131	5	30
Ethyl methacrylate	ND		50.0	51.7		ug/L		103	64 - 130	8	30
Hexachlorobutadiene	ND		50.0	51.3		ug/L		103	31 - 149	1	36
2-Hexanone	ND		200	212		ug/L		106	65 - 140	10	30
Isopropylbenzene	ND		50.0	51.8		ug/L		104	56 - 133	5	30
Methylene bromide	ND		50.0	49.5		ug/L		99	63 - 138	6	30
Methylene Chloride	ND		50.0	48.2		ug/L		96	60 - 146	6	32
4-Methyl-2-pentanone (MIBK)	ND		200	217		ug/L		109	63 - 146	8	30
Methyl tert-butyl ether	1.1		50.0	49.5		ug/L		97	59 - 137	7	30
m-Xylene & p-Xylene	ND		50.0	51.8		ug/L		104	57 - 130	5	30
Naphthalene	ND		50.0	52.3		ug/L		105	25 - 160	4	30
n-Butylbenzene	ND		50.0	50.0		ug/L		100	41 - 142	0	31
N-Propylbenzene	ND		50.0	48.7		ug/L		97	51 - 138	3	30
o-Chlorotoluene	ND		50.0	46.2		ug/L		92	53 - 134	4	30
o-Xylene	ND		50.0	51.4		ug/L		103	61 - 130	5	30
p-Chlorotoluene	ND		50.0	49.4		ug/L		99	54 - 133	3	30
p-Isopropyltoluene	ND		50.0	50.0		ug/L		100	48 - 139	1	30
sec-Butylbenzene	ND		50.0	48.4		ug/L		97	50 - 138	3	30
Styrene	ND		50.0	50.2		ug/L		100	58 - 131	6	30
tert-Butylbenzene	ND		50.0	51.8		ug/L		104	54 - 146	3	30
1,1,1,2-Tetrachloroethane	ND		50.0	50.3		ug/L		101	59 - 137	7	30
1,1,2,2-Tetrachloroethane	ND		50.0	52.9		ug/L		106	66 - 135	7	30
Tetrachloroethene	ND		50.0	49.5		ug/L		99	52 - 133	5	30
Toluene	1.3		50.0	51.9		ug/L		101	65 - 130	6	30
trans-1,2-Dichloroethene	ND		50.0	48.0		ug/L		96	61 - 143	4	30
trans-1,3-Dichloropropene	ND		50.0	50.1		ug/L		100	53 - 133	7	30
1,2,3-Trichlorobenzene	ND		50.0	53.8		ug/L		108	43 - 145	1	30
1,2,4-Trichlorobenzene	ND		50.0	53.2		ug/L		106	39 - 148	1	30
1,1,1-Trichloroethane	ND		50.0	49.5		ug/L		99	57 - 142	6	30
1,1,2-Trichloroethane	ND		50.0	51.6		ug/L		103	66 - 131	9	30
Trichloroethene	ND		50.0	50.6		ug/L		101	64 - 136	5	30

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

Lab Sample ID: 400-124559-E-3 MSD
Matrix: Water
Analysis Batch: 315486

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Trichlorofluoromethane	ND		40.0	40.1		ug/L		100	54 - 156	9	30
1,2,3-Trichloropropane	ND		50.0	51.8		ug/L		104	65 - 133	8	30
1,2,4-Trimethylbenzene	ND		50.0	48.0		ug/L		96	50 - 139	3	30
1,3,5-Trimethylbenzene	ND		50.0	51.3		ug/L		103	52 - 135	3	30
Vinyl acetate	ND		80.0	82.2		ug/L		103	26 - 160	7	33
Vinyl chloride	ND		40.0	39.7		ug/L		99	46 - 152	6	30
Xylenes, Total	1.7	J	100	103		ug/L		102	59 - 130	5	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*78 - 118*
Dibromofluoromethane	*101*		*81 - 121*
Toluene-d8 (Surr)	*99*		*80 - 120*

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

Lab Sample ID: MB 400-314434/1-A
Matrix: Water
Analysis Batch: 314976

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 314434

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		07/15/16 09:43	07/20/16 13:58	1
Benzenethiol	ND		10	1.7	ug/L		07/15/16 09:43	07/20/16 13:58	1
Benzoic acid	ND		30	7.3	ug/L		07/15/16 09:43	07/20/16 13:58	1
Benzyl alcohol	ND		10	2.0	ug/L		07/15/16 09:43	07/20/16 13:58	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		07/15/16 09:43	07/20/16 13:58	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		07/15/16 09:43	07/20/16 13:58	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		07/15/16 09:43	07/20/16 13:58	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		07/15/16 09:43	07/20/16 13:58	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		07/15/16 09:43	07/20/16 13:58	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		07/15/16 09:43	07/20/16 13:58	1
4-Chloroaniline	ND		10	3.4	ug/L		07/15/16 09:43	07/20/16 13:58	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		07/15/16 09:43	07/20/16 13:58	1
2-Chloronaphthalene	ND		10	0.52	ug/L		07/15/16 09:43	07/20/16 13:58	1
2-Chlorophenol	ND		10	2.2	ug/L		07/15/16 09:43	07/20/16 13:58	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		07/15/16 09:43	07/20/16 13:58	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		07/15/16 09:43	07/20/16 13:58	1
Dibenzofuran	ND		10	0.52	ug/L		07/15/16 09:43	07/20/16 13:58	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		07/15/16 09:43	07/20/16 13:58	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		07/15/16 09:43	07/20/16 13:58	1
Diethyl phthalate	ND		10	0.70	ug/L		07/15/16 09:43	07/20/16 13:58	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		07/15/16 09:43	07/20/16 13:58	1
Dimethyl phthalate	ND		10	0.60	ug/L		07/15/16 09:43	07/20/16 13:58	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		07/15/16 09:43	07/20/16 13:58	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/15/16 09:43	07/20/16 13:58	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		07/15/16 09:43	07/20/16 13:58	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		07/15/16 09:43	07/20/16 13:58	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		07/15/16 09:43	07/20/16 13:58	1
Di-n-octyl phthalate	ND		10	0.44	ug/L		07/15/16 09:43	07/20/16 13:58	1

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

Lab Sample ID: MB 400-314434/1-A
Matrix: Water
Analysis Batch: 314976

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 314434

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		10	1.0	ug/L		07/15/16 09:43	07/20/16 13:58	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		07/15/16 09:43	07/20/16 13:58	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/15/16 09:43	07/20/16 13:58	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		07/15/16 09:43	07/20/16 13:58	1
Hexachloroethane	ND		10	4.2	ug/L		07/15/16 09:43	07/20/16 13:58	1
Indene	ND		10	1.0	ug/L		07/15/16 09:43	07/20/16 13:58	1
Isophorone	ND		10	0.57	ug/L		07/15/16 09:43	07/20/16 13:58	1
2-Methylphenol	ND		10	1.8	ug/L		07/15/16 09:43	07/20/16 13:58	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		07/15/16 09:43	07/20/16 13:58	1
2-Nitroaniline	ND		10	2.2	ug/L		07/15/16 09:43	07/20/16 13:58	1
3-Nitroaniline	ND		10	1.8	ug/L		07/15/16 09:43	07/20/16 13:58	1
4-Nitroaniline	ND		10	2.5	ug/L		07/15/16 09:43	07/20/16 13:58	1
Nitrobenzene	ND		10	0.55	ug/L		07/15/16 09:43	07/20/16 13:58	1
2-Nitrophenol	ND		10	0.65	ug/L		07/15/16 09:43	07/20/16 13:58	1
4-Nitrophenol	ND		10	2.1	ug/L		07/15/16 09:43	07/20/16 13:58	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		07/15/16 09:43	07/20/16 13:58	1
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		07/15/16 09:43	07/20/16 13:58	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		07/15/16 09:43	07/20/16 13:58	1
Pentachlorophenol	ND		20	1.8	ug/L		07/15/16 09:43	07/20/16 13:58	1
Phenol	ND		10	2.6	ug/L		07/15/16 09:43	07/20/16 13:58	1
Pyridine	ND		10	3.2	ug/L		07/15/16 09:43	07/20/16 13:58	1
Quinoline	ND		10	6.0	ug/L		07/15/16 09:43	07/20/16 13:58	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		07/15/16 09:43	07/20/16 13:58	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		07/15/16 09:43	07/20/16 13:58	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*61*		*34 - 120*	*07/15/16 09:43*	*07/20/16 13:58*	*1*
2-Fluorophenol	*52*		*10 - 120*	*07/15/16 09:43*	*07/20/16 13:58*	*1*
Nitrobenzene-d5	*61*		*27 - 120*	*07/15/16 09:43*	*07/20/16 13:58*	*1*
Phenol-d5	*57*		*10 - 120*	*07/15/16 09:43*	*07/20/16 13:58*	*1*
Terphenyl-d14	*70*		*53 - 125*	*07/15/16 09:43*	*07/20/16 13:58*	*1*
2,4,6-Tribromophenol	*71*		*15 - 135*	*07/15/16 09:43*	*07/20/16 13:58*	*1*

Lab Sample ID: LCS 400-314434/2-A
Matrix: Water
Analysis Batch: 314976

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 314434

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aniline	30.0	20.5		ug/L		68	10 - 145
Benzoic acid	121	72.1		ug/L		60	10 - 120
Benzyl alcohol	30.0	20.2		ug/L		67	51 - 121
Bis(2-chloroethoxy)methane	30.0	19.6		ug/L		65	54 - 123
Bis(2-chloroethyl)ether	30.0	19.3		ug/L		64	47 - 120
bis (2-chloroisopropyl) ether	30.0	18.4		ug/L		61	20 - 142
Bis(2-ethylhexyl) phthalate	30.0	22.6		ug/L		75	62 - 140
4-Bromophenyl phenyl ether	30.0	23.6		ug/L		79	62 - 132
Butyl benzyl phthalate	30.0	22.9		ug/L		76	51 - 150

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

Lab Sample ID: LCS 400-314434/2-A
Matrix: Water
Analysis Batch: 314976

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 314434

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Chloroaniline	30.0	20.1		ug/L		67	32 - 128
4-Chloro-3-methylphenol	30.0	22.9		ug/L		76	47 - 135
2-Chloronaphthalene	30.0	20.1		ug/L		67	24 - 150
2-Chlorophenol	30.0	19.7		ug/L		66	45 - 120
4-Chlorophenyl phenyl ether	30.0	24.0		ug/L		80	61 - 133
Dibenz[a,h]acridine	30.0	17.9		ug/L		60	60 - 131
Dibenzofuran	30.0	22.5		ug/L		75	62 - 124
3,3'-Dichlorobenzidine	40.0	42.2		ug/L		106	16 - 167
2,4-Dichlorophenol	30.0	22.0		ug/L		73	52 - 125
Diethyl phthalate	30.0	20.7		ug/L		69	55 - 140
2,4-Dimethylphenol	30.0	20.9		ug/L		70	52 - 121
Dimethyl phthalate	30.0	22.9		ug/L		76	50 - 133
Di-n-butyl phthalate	30.0	19.3		ug/L		64	59 - 144
4,6-Dinitro-ortho-cresol	60.0	51.4		ug/L		86	46 - 136
2,4-Dinitrophenol	101	99.7		ug/L		99	22 - 146
2,4-Dinitrotoluene	30.0	23.2		ug/L		77	54 - 141
2,6-Dinitrotoluene	30.0	24.8		ug/L		83	61 - 130
Di-n-octyl phthalate	30.0	22.1		ug/L		74	55 - 140
1,4-Dioxane	30.0	15.6		ug/L		52	10 - 130
1,2-Diphenylhydrazine (as Azobenzene)	30.0	20.4		ug/L		68	55 - 139
Hexachlorobenzene	30.0	24.6		ug/L		82	60 - 138
Hexachlorocyclopentadiene	30.0	16.3	J	ug/L		54	1 - 139
Hexachloroethane	30.0	20.9		ug/L		70	46 - 121
Indene	30.0	21.2		ug/L		71	17 - 141
Isophorone	30.0	22.4		ug/L		75	57 - 122
2-Methylphenol	30.0	21.5		ug/L		72	38 - 121
3 & 4 Methylphenol	30.0	19.4	J	ug/L		65	43 - 126
2-Nitroaniline	30.0	24.1		ug/L		80	52 - 135
3-Nitroaniline	30.0	29.8		ug/L		99	51 - 128
4-Nitroaniline	30.0	28.2		ug/L		94	38 - 141
Nitrobenzene	30.0	22.8		ug/L		76	52 - 128
2-Nitrophenol	30.0	20.3		ug/L		68	47 - 129
4-Nitrophenol	60.0	45.9		ug/L		77	34 - 137
N-Nitrosodimethylamine	30.0	17.4		ug/L		58	21 - 134
N-Nitrosodi-n-propylamine	30.0	19.7		ug/L		66	41 - 143
N-Nitrosodiphenylamine	30.0	21.8		ug/L		73	10 - 185
Pentachlorophenol	60.0	42.5		ug/L		71	38 - 138
Phenol	30.0	20.0		ug/L		67	37 - 120
Pyridine	30.0	16.2		ug/L		54	10 - 127
Quinoline	30.0	19.9		ug/L		66	10 - 164
2,4,5-Trichlorophenol	30.0	24.5		ug/L		82	53 - 130
2,4,6-Trichlorophenol	30.0	23.1		ug/L		77	52 - 131

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*59*		*34 - 120*
2-Fluorophenol	*59*		*10 - 120*
Nitrobenzene-d5	*71*		*27 - 120*

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

Lab Sample ID: LCS 400-314434/2-A
Matrix: Water
Analysis Batch: 314976

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 314434

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Phenol-d5	*66*		*10 - 120*
Terphenyl-d14	*75*		*53 - 125*
2,4,6-Tribromophenol	*91*		*15 - 135*

Lab Sample ID: LCS 400-314434/4-A
Matrix: Water
Analysis Batch: 314976

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 314434

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzenethiol	100	1.81	J *	ug/L		2	20 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*57*		*34 - 120*
2-Fluorophenol	*49*		*10 - 120*
Nitrobenzene-d5	*56*		*27 - 120*
Phenol-d5	*53*		*10 - 120*
Terphenyl-d14	*70*		*53 - 125*
2,4,6-Tribromophenol	*79*		*15 - 135*

Lab Sample ID: LCSD 400-314434/3-A
Matrix: Water
Analysis Batch: 314976

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 314434

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aniline	30.0	7.33	J *	ug/L		24	10 - 145	95	30
Benzoic acid	121	97.8		ug/L		81	10 - 120	30	30
Benzyl alcohol	30.0	19.5		ug/L		65	51 - 121	4	30
Bis(2-chloroethoxy)methane	30.0	19.0		ug/L		63	54 - 123	4	30
Bis(2-chloroethyl)ether	30.0	18.5		ug/L		62	47 - 120	4	30
bis (2-chloroisopropyl) ether	30.0	17.6		ug/L		59	20 - 142	5	30
Bis(2-ethylhexyl) phthalate	30.0	22.3		ug/L		74	62 - 140	1	30
4-Bromophenyl phenyl ether	30.0	23.2		ug/L		77	62 - 132	2	30
Butyl benzyl phthalate	30.0	22.5		ug/L		75	51 - 150	2	30
4-Chloroaniline	30.0	19.0		ug/L		63	32 - 128	6	30
4-Chloro-3-methylphenol	30.0	22.0		ug/L		73	47 - 135	4	30
2-Chloronaphthalene	30.0	22.5		ug/L		75	24 - 150	11	30
2-Chlorophenol	30.0	19.5		ug/L		65	45 - 120	1	30
4-Chlorophenyl phenyl ether	30.0	22.8		ug/L		76	61 - 133	5	30
Dibenz[a,h]acridine	30.0	16.9	*	ug/L		56	60 - 131	6	30
Dibenzofuran	30.0	22.0		ug/L		73	62 - 124	2	30
3,3'-Dichlorobenzidine	40.0	35.6		ug/L		89	16 - 167	17	30
2,4-Dichlorophenol	30.0	21.4		ug/L		71	52 - 125	3	30
Diethyl phthalate	30.0	20.4		ug/L		68	55 - 140	1	30
2,4-Dimethylphenol	30.0	17.4		ug/L		58	52 - 121	18	30
Dimethyl phthalate	30.0	22.7		ug/L		76	50 - 133	1	30
Di-n-butyl phthalate	30.0	20.7		ug/L		69	59 - 144	7	30
4,6-Dinitro-ortho-cresol	60.0	52.4		ug/L		87	46 - 136	2	30
2,4-Dinitrophenol	101	106		ug/L		104	22 - 146	6	30

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

Lab Sample ID: LCSD 400-314434/3-A
Matrix: Water
Analysis Batch: 314976

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 314434

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-Dinitrotoluene	30.0	23.4		ug/L		78	54 - 141	1	30
2,6-Dinitrotoluene	30.0	24.9		ug/L		83	61 - 130	0	30
Di-n-octyl phthalate	30.0	21.3		ug/L		71	55 - 140	3	30
1,4-Dioxane	30.0	17.4		ug/L		58	10 - 130	11	30
1,2-Diphenylhydrazine (as Azobenzene)	30.0	20.2		ug/L		67	55 - 139	1	30
Hexachlorobenzene	30.0	24.4		ug/L		81	60 - 138	0	30
Hexachlorocyclopentadiene	30.0	20.7		ug/L		69	1 - 139	24	30
Hexachloroethane	30.0	18.4		ug/L		61	46 - 121	13	30
Indene	30.0	22.0		ug/L		73	17 - 141	4	30
Isophorone	30.0	19.7		ug/L		66	57 - 122	13	30
2-Methylphenol	30.0	20.8		ug/L		69	38 - 121	3	30
3 & 4 Methylphenol	30.0	17.4	J	ug/L		58	43 - 126	11	30
2-Nitroaniline	30.0	24.3		ug/L		81	52 - 135	1	30
3-Nitroaniline	30.0	26.9		ug/L		90	51 - 128	10	30
4-Nitroaniline	30.0	25.1		ug/L		84	38 - 141	12	30
Nitrobenzene	30.0	19.4		ug/L		65	52 - 128	16	30
2-Nitrophenol	30.0	18.5		ug/L		62	47 - 129	9	30
4-Nitrophenol	60.0	42.5		ug/L		71	34 - 137	8	30
N-Nitrosodimethylamine	30.0	17.3		ug/L		58	21 - 134	0	30
N-Nitrosodi-n-propylamine	30.0	17.8		ug/L		59	41 - 143	10	30
N-Nitrosodiphenylamine	30.0	21.6		ug/L		72	10 - 185	1	30
Pentachlorophenol	60.0	46.1		ug/L		77	38 - 138	8	30
Phenol	30.0	20.3		ug/L		68	37 - 120	1	30
Pyridine	30.0	ND	*	ug/L		3	10 - 127	179	30
Quinoline	30.0	16.5		ug/L		55	10 - 164	19	30
2,4,5-Trichlorophenol	30.0	26.9		ug/L		90	53 - 130	9	30
2,4,6-Trichlorophenol	30.0	25.2		ug/L		84	52 - 131	9	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*69*		*34 - 120*
2-Fluorophenol	*66*		*10 - 120*
Nitrobenzene-d5	*65*		*27 - 120*
Phenol-d5	*70*		*10 - 120*
Terphenyl-d14	*78*		*53 - 125*
2,4,6-Tribromophenol	*99*		*15 - 135*

Lab Sample ID: LCSD 400-314434/5-A
Matrix: Water
Analysis Batch: 314976

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 314434

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzenethiol	100	2.71	J *	ug/L		3	20 - 150	40	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*72*		*34 - 120*
2-Fluorophenol	*53*		*10 - 120*
Nitrobenzene-d5	*58*		*27 - 120*

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

Lab Sample ID: LCSD 400-314434/5-A
Matrix: Water
Analysis Batch: 314976

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 314434

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Phenol-d5	*57*		*10 - 120*
Terphenyl-d14	*73*		*53 - 125*
2,4,6-Tribromophenol	*83*		*15 - 135*

Lab Sample ID: 400-124395-4 MS
Matrix: Water
Analysis Batch: 314976

Client Sample ID: P74-ROX-071216-MS
Prep Type: Total/NA
Prep Batch: 314434

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aniline	ND	*	30.0	12.4		ug/L		41	10 - 143
Benzoic acid	ND		121	92.5		ug/L		77	10 - 134
Benzyl alcohol	ND		30.0	14.0		ug/L		47	10 - 154
Bis(2-chloroethoxy)methane	ND		30.0	18.2		ug/L		61	14 - 147
Bis(2-chloroethyl)ether	ND		30.0	17.8		ug/L		59	28 - 130
bis (2-chloroisopropyl) ether	ND		30.0	15.4		ug/L		51	10 - 141
Bis(2-ethylhexyl) phthalate	ND		30.0	20.2		ug/L		67	43 - 160
4-Bromophenyl phenyl ether	ND		30.0	22.5		ug/L		75	26 - 159
Butyl benzyl phthalate	ND		30.0	20.8		ug/L		69	43 - 151
4-Chloroaniline	ND		30.0	15.4		ug/L		51	10 - 152
4-Chloro-3-methylphenol	ND		30.0	19.1		ug/L		64	17 - 156
2-Chloronaphthalene	ND		30.0	20.8		ug/L		69	10 - 155
2-Chlorophenol	ND		30.0	18.8		ug/L		63	19 - 130
4-Chlorophenyl phenyl ether	ND		30.0	22.0		ug/L		73	25 - 161
Dibenz[a,h]acridine	ND	*	30.0	16.6		ug/L		55	42 - 147
Dibenzofuran	ND		30.0	21.3		ug/L		71	18 - 157
3,3'-Dichlorobenzidine	ND		40.0	14.9		ug/L		37	10 - 172
2,4-Dichlorophenol	ND		30.0	21.2		ug/L		71	16 - 147
Diethyl phthalate	ND		30.0	20.0		ug/L		67	23 - 160
2,4-Dimethylphenol	ND		30.0	19.3		ug/L		64	25 - 146
Dimethyl phthalate	ND		30.0	22.2		ug/L		74	11 - 158
Di-n-butyl phthalate	ND		30.0	19.7		ug/L		66	28 - 162
4,6-Dinitro-ortho-cresol	ND		60.0	51.4		ug/L		86	10 - 168
2,4-Dinitrophenol	ND		101	105		ug/L		104	10 - 166
2,4-Dinitrotoluene	ND		30.0	22.6		ug/L		75	26 - 158
2,6-Dinitrotoluene	ND		30.0	24.6		ug/L		82	19 - 157
Di-n-octyl phthalate	ND		30.0	19.4		ug/L		65	42 - 150
1,4-Dioxane	ND		30.0	14.7		ug/L		49	10 - 130
1,2-Diphenylhydrazine (as Azobenzene)	ND		30.0	19.8		ug/L		66	19 - 162
Hexachlorobenzene	ND		30.0	23.1		ug/L		77	45 - 145
Hexachlorocyclopentadiene	ND		30.0	14.6	J	ug/L		49	10 - 151
Hexachloroethane	ND		30.0	21.6		ug/L		72	29 - 130
Indene	ND		30.0	18.3		ug/L		61	22 - 130
Isophorone	ND		30.0	19.0		ug/L		63	24 - 144
2-Methylphenol	ND		30.0	21.8		ug/L		73	22 - 130
3 & 4 Methylphenol	ND		30.0	18.9	J	ug/L		63	31 - 130
2-Nitroaniline	ND		30.0	23.8		ug/L		79	10 - 162
3-Nitroaniline	ND		30.0	24.4		ug/L		81	10 - 163

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

Lab Sample ID: 400-124395-4 MS
Matrix: Water
Analysis Batch: 314976

Client Sample ID: P74-ROX-071216-MS
Prep Type: Total/NA
Prep Batch: 314434

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Nitroaniline	ND		30.0	24.2		ug/L		81	10 - 162
Nitrobenzene	ND		30.0	18.5		ug/L		62	34 - 135
2-Nitrophenol	ND		30.0	17.9		ug/L		60	27 - 134
4-Nitrophenol	ND		60.0	42.2		ug/L		70	10 - 175
N-Nitrosodimethylamine	ND		30.0	15.5		ug/L		52	10 - 139
N-Nitrosodi-n-propylamine	ND		30.0	18.0		ug/L		60	13 - 147
N-Nitrosodiphenylamine	ND		30.0	20.7		ug/L		69	31 - 150
Pentachlorophenol	ND		60.0	48.2		ug/L		80	10 - 180
Phenol	ND		30.0	19.5		ug/L		65	23 - 130
Pyridine	ND	* F1	30.0	ND	F1	ug/L		0	10 - 130
Quinoline	ND		30.0	16.5		ug/L		55	10 - 180
2,4,5-Trichlorophenol	ND		30.0	26.9		ug/L		90	43 - 137
2,4,6-Trichlorophenol	ND		30.0	24.6		ug/L		82	42 - 135

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*64*		*34 - 120*
2-Fluorophenol	*59*		*10 - 120*
Nitrobenzene-d5	*60*		*27 - 120*
Phenol-d5	*63*		*10 - 120*
Terphenyl-d14	*65*		*53 - 125*
2,4,6-Tribromophenol	*95*		*15 - 135*

Lab Sample ID: 400-124395-4 MSD
Matrix: Water
Analysis Batch: 314976

Client Sample ID: P74-ROX-071216-MSD
Prep Type: Total/NA
Prep Batch: 314434

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aniline	ND	*	30.0	10.8		ug/L		36	10 - 143	13	63
Benzoic acid	ND		121	98.5		ug/L		82	10 - 134	6	49
Benzyl alcohol	ND		30.0	14.5		ug/L		48	10 - 154	3	37
Bis(2-chloroethoxy)methane	ND		30.0	18.3		ug/L		61	14 - 147	0	70
Bis(2-chloroethyl)ether	ND		30.0	17.3		ug/L		58	28 - 130	3	42
bis (2-chloroisopropyl) ether	ND		30.0	16.4		ug/L		55	10 - 141	7	41
Bis(2-ethylhexyl) phthalate	ND		30.0	20.7		ug/L		69	43 - 160	2	35
4-Bromophenyl phenyl ether	ND		30.0	22.4		ug/L		75	26 - 159	0	30
Butyl benzyl phthalate	ND		30.0	19.6		ug/L		65	43 - 151	6	32
4-Chloroaniline	ND		30.0	17.6		ug/L		59	10 - 152	13	94
4-Chloro-3-methylphenol	ND		30.0	22.3		ug/L		74	17 - 156	16	40
2-Chloronaphthalene	ND		30.0	21.0		ug/L		70	10 - 155	1	29
2-Chlorophenol	ND		30.0	18.5		ug/L		62	19 - 130	2	42
4-Chlorophenyl phenyl ether	ND		30.0	21.9		ug/L		73	25 - 161	0	27
Dibenz[a,h]acridine	ND	*	30.0	13.4		ug/L		45	42 - 147	22	40
Dibenzofuran	ND		30.0	21.6		ug/L		72	18 - 157	2	29
3,3'-Dichlorobenzidine	ND		40.0	12.9		ug/L		32	10 - 172	15	58
2,4-Dichlorophenol	ND		30.0	21.6		ug/L		72	16 - 147	2	43
Diethyl phthalate	ND		30.0	20.0		ug/L		67	23 - 160	0	40
2,4-Dimethylphenol	ND		30.0	19.8		ug/L		66	25 - 146	3	47
Dimethyl phthalate	ND		30.0	22.2		ug/L		74	11 - 158	0	36

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

Lab Sample ID: 400-124395-4 MSD
Matrix: Water
Analysis Batch: 314976

Client Sample ID: P74-ROX-071216-MSD
Prep Type: Total/NA
Prep Batch: 314434

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Di-n-butyl phthalate	ND		30.0	19.4		ug/L		65	28 - 162	1	32
4,6-Dinitro-ortho-cresol	ND		60.0	53.0		ug/L		88	10 - 168	3	42
2,4-Dinitrophenol	ND		101	112		ug/L		110	10 - 166	6	36
2,4-Dinitrotoluene	ND		30.0	22.8		ug/L		76	26 - 158	1	28
2,6-Dinitrotoluene	ND		30.0	24.2		ug/L		81	19 - 157	1	28
Di-n-octyl phthalate	ND		30.0	18.2		ug/L		61	42 - 150	6	35
1,4-Dioxane	ND		30.0	14.2		ug/L		47	10 - 130	3	40
1,2-Diphenylhydrazine (as Azobenzene)	ND		30.0	20.1		ug/L		67	19 - 162	1	40
Hexachlorobenzene	ND		30.0	22.9		ug/L		76	45 - 145	1	33
Hexachlorocyclopentadiene	ND		30.0	14.0	J	ug/L		47	10 - 151	4	50
Hexachloroethane	ND		30.0	21.2		ug/L		71	29 - 130	2	41
Indene	ND		30.0	17.4		ug/L		58	22 - 130	5	40
Isophorone	ND		30.0	19.1		ug/L		64	24 - 144	0	33
2-Methylphenol	ND		30.0	22.1		ug/L		74	22 - 130	1	47
3 & 4 Methylphenol	ND		30.0	18.3	J	ug/L		61	31 - 130	3	47
2-Nitroaniline	ND		30.0	24.4		ug/L		81	10 - 162	2	33
3-Nitroaniline	ND		30.0	23.9		ug/L		80	10 - 163	2	39
4-Nitroaniline	ND		30.0	22.9		ug/L		76	10 - 162	5	50
Nitrobenzene	ND		30.0	19.0		ug/L		63	34 - 135	2	35
2-Nitrophenol	ND		30.0	18.4		ug/L		61	27 - 134	3	43
4-Nitrophenol	ND		60.0	44.3		ug/L		74	10 - 175	5	82
N-Nitrosodimethylamine	ND		30.0	15.8		ug/L		53	10 - 139	2	62
N-Nitrosodi-n-propylamine	ND		30.0	17.7		ug/L		59	13 - 147	2	36
N-Nitrosodiphenylamine	ND		30.0	20.9		ug/L		70	31 - 150	1	34
Pentachlorophenol	ND		60.0	50.5		ug/L		84	10 - 180	5	42
Phenol	ND		30.0	18.9		ug/L		63	23 - 130	3	52
Pyridine	ND	*F1	30.0	ND	F1	ug/L		0	10 - 130	NC	55
Quinoline	ND		30.0	18.5		ug/L		62	10 - 180	12	40
2,4,5-Trichlorophenol	ND		30.0	26.8		ug/L		89	43 - 137	1	42
2,4,6-Trichlorophenol	ND		30.0	24.9		ug/L		83	42 - 135	1	44

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*59*		*34 - 120*
2-Fluorophenol	*53*		*10 - 120*
Nitrobenzene-d5	*56*		*27 - 120*
Phenol-d5	*56*		*10 - 120*
Terphenyl-d14	*56*		*53 - 125*
2,4,6-Tribromophenol	*84*		*15 - 135*

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

Lab Sample ID: MB 400-314434/1-A
Matrix: Water
Analysis Batch: 314990

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 314434

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 05:56	1

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

Lab Sample ID: MB 400-314434/1-A
Matrix: Water
Analysis Batch: 314990

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 314434

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	ND		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 05:56	1
Anthracene	ND		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 05:56	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 05:56	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 05:56	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 05:56	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 05:56	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 05:56	1
Chrysene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 05:56	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 05:56	1
Fluoranthene	ND		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 05:56	1
Fluorene	ND		0.20	0.021	ug/L		07/15/16 09:43	07/20/16 05:56	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 05:56	1
Phenanthrene	ND		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 05:56	1
Pyrene	ND		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 05:56	1
1-Methylnaphthalene	ND		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 05:56	1
2-Methylnaphthalene	ND		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 05:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*104*		*33 - 138*	*07/15/16 09:43*	*07/20/16 05:56*	*1*
2-Fluorobiphenyl	*65*		*15 - 122*	*07/15/16 09:43*	*07/20/16 05:56*	*1*
Nitrobenzene-d5	*67*		*19 - 130*	*07/15/16 09:43*	*07/20/16 05:56*	*1*

Lab Sample ID: LCS 400-314434/2-A
Matrix: Water
Analysis Batch: 314990

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 314434

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	30.0	24.2		ug/L		81	41 - 120
Acenaphthylene	30.0	25.0		ug/L		83	44 - 120
Anthracene	30.0	25.1		ug/L		84	49 - 120
Benzo[a]anthracene	30.0	25.3		ug/L		84	61 - 135
Benzo[a]pyrene	30.0	24.8		ug/L		83	52 - 120
Benzo[b]fluoranthene	30.0	27.0		ug/L		90	53 - 134
Benzo[g,h,i]perylene	30.0	25.4		ug/L		85	47 - 133
Benzo[k]fluoranthene	30.0	23.9		ug/L		80	57 - 134
Chrysene	30.0	25.0		ug/L		83	55 - 122
Dibenz(a,h)anthracene	30.0	24.9		ug/L		83	48 - 146
Fluoranthene	30.0	26.8		ug/L		89	54 - 128
Fluorene	30.0	24.9		ug/L		83	45 - 125
Indeno[1,2,3-cd]pyrene	30.0	24.1		ug/L		80	43 - 142
Phenanthrene	30.0	20.1		ug/L		67	48 - 120
Pyrene	30.0	24.6		ug/L		82	48 - 132
1-Methylnaphthalene	30.0	20.5		ug/L		68	41 - 120
2-Methylnaphthalene	30.0	19.8		ug/L		66	32 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Terphenyl-d14	*81*		*33 - 138*

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

Lab Sample ID: LCS 400-314434/2-A
Matrix: Water
Analysis Batch: 314990

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 314434

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*75*		*15 - 122*
Nitrobenzene-d5	*63*		*19 - 130*

Lab Sample ID: LCSD 400-314434/3-A
Matrix: Water
Analysis Batch: 314990

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 314434

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	30.0	24.1		ug/L		80	41 - 120	1	56
Acenaphthylene	30.0	24.3		ug/L		81	44 - 120	3	56
Anthracene	30.0	24.4		ug/L		81	49 - 120	3	51
Benzo[a]anthracene	30.0	23.8		ug/L		79	61 - 135	6	49
Benzo[a]pyrene	30.0	24.2		ug/L		81	52 - 120	3	50
Benzo[b]fluoranthene	30.0	26.3		ug/L		88	53 - 134	3	54
Benzo[g,h,i]perylene	30.0	26.7		ug/L		89	47 - 133	5	50
Benzo[k]fluoranthene	30.0	24.0		ug/L		80	57 - 134	0	52
Chrysene	30.0	24.4		ug/L		81	55 - 122	3	50
Dibenz(a,h)anthracene	30.0	25.4		ug/L		85	48 - 146	2	50
Fluoranthene	30.0	26.5		ug/L		88	54 - 128	1	52
Fluorene	30.0	24.1		ug/L		80	45 - 125	3	56
Indeno[1,2,3-cd]pyrene	30.0	24.8		ug/L		83	43 - 142	3	51
Phenanthrene	30.0	20.2		ug/L		67	48 - 120	0	56
Pyrene	30.0	23.8		ug/L		79	48 - 132	3	52
1-Methylnaphthalene	30.0	20.5		ug/L		68	41 - 120	0	55
2-Methylnaphthalene	30.0	20.1		ug/L		67	32 - 124	2	57

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Terphenyl-d14	*83*		*33 - 138*
2-Fluorobiphenyl	*80*		*15 - 122*
Nitrobenzene-d5	*66*		*19 - 130*

Lab Sample ID: 400-124395-4 MS
Matrix: Water
Analysis Batch: 314990

Client Sample ID: P74-ROX-071216-MS
Prep Type: Total/NA
Prep Batch: 314434

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.042	J	30.0	20.0		ug/L		66	35 - 113
Acenaphthylene	ND		30.0	20.0		ug/L		67	41 - 118
Anthracene	ND		30.0	19.6		ug/L		65	45 - 122
Benzo[a]anthracene	ND		30.0	18.6		ug/L		62	55 - 133
Benzo[a]pyrene	ND		30.0	17.3		ug/L		58	50 - 108
Benzo[b]fluoranthene	ND		30.0	19.4		ug/L		65	50 - 128
Benzo[g,h,i]perylene	ND		30.0	19.6		ug/L		65	46 - 133
Benzo[k]fluoranthene	ND		30.0	18.0		ug/L		60	52 - 128
Chrysene	ND		30.0	19.0		ug/L		63	52 - 116
Dibenz(a,h)anthracene	ND		30.0	19.5		ug/L		65	52 - 143
Fluoranthene	ND		30.0	21.6		ug/L		72	32 - 150
Fluorene	ND		30.0	20.4		ug/L		68	15 - 150

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

Lab Sample ID: 400-124395-4 MS
Matrix: Water
Analysis Batch: 314990

Client Sample ID: P74-ROX-071216-MS
Prep Type: Total/NA
Prep Batch: 314434

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Indeno[1,2,3-cd]pyrene	ND		30.0	18.6		ug/L		62	41 - 141
Phenanthrene	ND		30.0	16.6		ug/L		55	36 - 125
Pyrene	ND		30.0	19.6		ug/L		65	41 - 127
1-Methylnaphthalene	1.1		30.0	20.1		ug/L		63	10 - 150
2-Methylnaphthalene	1.1		30.0	19.0		ug/L		60	10 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Terphenyl-d14	*57*		*33 - 138*
2-Fluorobiphenyl	*61*		*15 - 122*
Nitrobenzene-d5	*59*		*19 - 130*

Lab Sample ID: 400-124395-4 MSD
Matrix: Water
Analysis Batch: 314990

Client Sample ID: P74-ROX-071216-MSD
Prep Type: Total/NA
Prep Batch: 314434

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	0.042	J	30.0	21.6		ug/L		72	35 - 113	8	49
Acenaphthylene	ND		30.0	22.0		ug/L		73	41 - 118	10	48
Anthracene	ND		30.0	20.5		ug/L		68	45 - 122	5	56
Benzo[a]anthracene	ND		30.0	19.5		ug/L		65	55 - 133	5	57
Benzo[a]pyrene	ND		30.0	18.1		ug/L		60	50 - 108	4	59
Benzo[b]fluoranthene	ND		30.0	22.1		ug/L		74	50 - 128	13	62
Benzo[g,h,i]perylene	ND		30.0	20.2		ug/L		67	46 - 133	3	58
Benzo[k]fluoranthene	ND		30.0	18.7		ug/L		62	52 - 128	3	58
Chrysene	ND		30.0	20.0		ug/L		67	52 - 116	5	59
Dibenz(a,h)anthracene	ND		30.0	19.8		ug/L		66	52 - 143	2	60
Fluoranthene	ND		30.0	23.0		ug/L		77	32 - 150	6	59
Fluorene	ND		30.0	22.4		ug/L		75	15 - 150	10	49
Indeno[1,2,3-cd]pyrene	ND		30.0	18.7		ug/L		62	41 - 141	1	58
Phenanthrene	ND		30.0	17.8		ug/L		59	36 - 125	7	69
Pyrene	ND		30.0	21.3		ug/L		71	41 - 127	8	58
1-Methylnaphthalene	1.1		30.0	21.8		ug/L		69	10 - 150	8	66
2-Methylnaphthalene	1.1		30.0	21.0		ug/L		66	10 - 150	10	66

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Terphenyl-d14	*54*		*33 - 138*
2-Fluorobiphenyl	*61*		*15 - 122*
Nitrobenzene-d5	*60*		*19 - 130*

Method: 8011 - EDB and DBCP in Water by Microextraction

Lab Sample ID: MB 400-314555/1-A
Matrix: Water
Analysis Batch: 314609

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 314555

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		07/16/16 11:05	07/16/16 20:31	1

Method: 8011 - EDB and DBCP in Water by Microextraction (Continued)

Lab Sample ID: MB 400-314555/1-A
Matrix: Water
Analysis Batch: 314609

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 314555

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		07/16/16 11:05	07/16/16 20:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*		*51 - 149*	*07/16/16 11:05*	*07/16/16 20:31*	*1*

Lab Sample ID: LCS 400-314555/2-A
Matrix: Water
Analysis Batch: 314609

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 314555

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	0.100	0.0966		ug/L		97	60 - 140
1,2-Dibromoethane	0.100	0.115		ug/L		115	60 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*107*		*51 - 149*

Lab Sample ID: 400-124217-C-3-B MS
Matrix: Water
Analysis Batch: 314609

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 314555

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	ND		0.104	0.108		ug/L		104	65 - 135
1,2-Dibromoethane	ND		0.104	0.108		ug/L		104	65 - 135

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*91*		*51 - 149*

Lab Sample ID: 400-124217-C-3-C MSD
Matrix: Water
Analysis Batch: 314609

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 314555

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		0.102	0.113		ug/L		111	65 - 135	4	20
1,2-Dibromoethane	ND		0.102	0.102		ug/L		100	65 - 135	6	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*90*		*51 - 149*

Lab Sample ID: MB 400-314557/1-A
Matrix: Water
Analysis Batch: 314704

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 314557

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		07/16/16 11:14	07/18/16 09:48	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		07/16/16 11:14	07/18/16 09:48	1

Method: 8011 - EDB and DBCP in Water by Microextraction (Continued)

Lab Sample ID: MB 400-314557/1-A
Matrix: Water
Analysis Batch: 314704

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 314557

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*51 - 149*	*07/16/16 11:14*	*07/18/16 09:48*	*1*

Lab Sample ID: LCS 400-314557/2-A
Matrix: Water
Analysis Batch: 314704

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 314557

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	0.100	0.106		ug/L		106	60 - 140
1,2-Dibromoethane	0.100	0.118		ug/L		118	60 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*105*		*51 - 149*

Lab Sample ID: 400-124395-4 MS
Matrix: Water
Analysis Batch: 314704

Client Sample ID: P74-ROX-071216-MS
Prep Type: Total/NA
Prep Batch: 314557

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	ND		0.102	0.0780		ug/L		76	65 - 135
1,2-Dibromoethane	ND		0.102	0.0812		ug/L		80	65 - 135

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*80*		*51 - 149*

Lab Sample ID: 400-124395-4 MSD
Matrix: Water
Analysis Batch: 314704

Client Sample ID: P74-ROX-071216-MSD
Prep Type: Total/NA
Prep Batch: 314557

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		0.0986	0.0856	F2	ug/L		87	65 - 135	23	20
1,2-Dibromoethane	ND		0.0986	0.0992		ug/L		101	65 - 135	20	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*93*		*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 FDG ☐ PIPELINE ☐ RETAIL
☐ CHEMICALS ☐ CONSULTANT ☐ LUBES
☐ TRANSPORTATION ☑ OTHER _ENV. SERVICES

Print Bill To Contact Name: Bob Billman
PO #: 60477387 - 1.03.003 / 1.03.0033
PlaNet Site or Project ID: 25278
GSAP Project ID: USPC/00114/R/02

☐ CHECK IF NO INCIDENT # APPLIES
DATE: 12 July 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: 033
ADDRESS: 1001 HIGHLANDS PLAZA DRIVE WEST - SUITE 300; ST. LOUIS, MO 63110
EDF DELIVERABLE TO (Name, Company, Office Location):
PHONE NO.:
E-MAIL:
PROJECT CONTACT (Hardcopy or PDF Report to): Elizabeth Kunkel, Bob Billman, Lindsay Rathnow
TELEPHONE: 314-429-0100
FAX: 314-429-0462
BR To Contact E-MAIL: bob.billman@aecom.com; elizabeth.kunkel@aecom.com; lindsay.rathnow@aecom.com
SAMPLER NAME(S) (Print): E. Partin / C. Williams
400-124395 COC

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

☐ LA - RWQCB REPORT FORMAT

DELIVERABLES: ☑ LLEVEL 2 ☐ LEV ☑ 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

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

REQUESTED ANALYSIS

UNIT COST 60477387 - 1.03.0033: VOC 8011; PAH 8270LL
NON-UNIT COST 60477387 - 1.03.003: VOC 8260; SVOC 8270

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	Container PID Readings or Laboratory Notes
	TB-ROX-071216W-8011	7/12/16	0000	Water	2					2	X				
	TB-ROX-071216W-8260		0000		2					2			X		
	P56-ROX-071216		1130		4			2		6	2	1	2	1	
	P74-ROX-071216		1000		4			2		6	2	1	2	1	
	P74-ROX-071216-MS		1000		4			2		6	2	1	2	1	
	P74-ROX-071216-MSD		1000		4			2		6	2	1	2	1	
	P93C-ROX-071216-EB		1305		4			2		6	2	1	2	1	Temp. 0.4, 0.5, 0.4, 2.5
	P93C-ROX-071216		1420		4			2		6	2	1	2	1	CF-0.1R#6
	T12-ROX-071216	↓	1530	↓	4			2		6	2	1	2	1	

Relinquished by: (Signature) | Received by: (Signature) | Date: 12 July 2016 | Time: 1730
Relinquished by: (Signature) | Received by: (Signature) 7/13/16 CMC 7/13/16 0829 | Date: 7/13/16 | Time: 829

Custody Seal: Test America
743262 | 743271
743263 | 743272
743264 | 743273
743265 | 743274

Ref: S400-56442
Dep:
Date: 20Jun16
Wgt: 10.00 LBS
DV:
SHIPPING: 0.00
SPECIAL: 0.00
HANDLING: 0.00
TOTAL: 0.00
Svcs: PRIORITY OVERNIGHT
TRCK: 6546 8386 3852

Ref: S400-56442
Dep:
Date: 20Jun16
Wgt: 10.00 LBS
DV:
SHIPPING: 0.00
SPECIAL: 0.00
HANDLING: 0.00
TOTAL: 0.00
Svcs: PRIORITY OVERNIGHT
TRCK: 6546 8386 3863

Login Sample Receipt Checklist

Client: AECOM Technical Services Inc.

Job Number: 400-124395-1
SDG Number: 60477387 - 1.03.003/1.03.0033

Login Number: 124395
List Number: 1
Creator: Kovitch, Christina 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	
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 (excluding tests with immediate HTs)	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").	False	Refer to Job Narrative for details.
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

Certification Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 3Q16

TestAmerica Job ID: 400-124395-1
SDG: 60477387 - 1.03.003/1.03.0033

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	06-30-17
Arizona	State Program	9	AZ0710	01-11-17
Arkansas DEQ	State Program	6	88-0689	09-01-16
California	ELAP	9	2510	03-31-18
Florida	NELAP	4	E81010	06-30-17
Georgia	State Program	4	N/A	06-30-17
Illinois	NELAP	5	200041	10-09-16
Iowa	State Program	7	367	07-31-16
Kansas	NELAP	7	E-10253	10-31-16
Kentucky (UST)	State Program	4	53	06-30-17
Kentucky (WW)	State Program	4	98030	12-31-16
Louisiana	NELAP	6	30976	06-30-17
Maryland	State Program	3	233	09-30-17
Massachusetts	State Program	1	M-FL094	06-30-16 *
Michigan	State Program	5	9912	05-06-17
New Jersey	NELAP	2	FL006	06-30-17
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	06-30-17
Texas	NELAP	6	T104704286-15-9	09-30-16
USDA	Federal		P330-16-00172	05-24-19
Virginia	NELAP	3	460166	06-14-17
Washington	State Program	10	C915	05-15-17
West Virginia DEP	State Program	3	136	08-31-16

* Certification renewal pending - certification considered valid.

Roxana Groundwater Quarterly – 3rd Quarter 2016 Data Review

Laboratory SDG: 400-124395-1-R1

Data Reviewer: Melissa Mansker

Peer Reviewer: Elizabeth Kunkel

Date Reviewed: 8/8/2016

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

Sample Identification	Sample Identification
TB-ROX-071216W-8011	TB-ROX-071216W-8260
P56-ROX-071216	P74-ROX-071216
P93C-ROX-071216-EB	P93C-ROX-071216
T12-ROX-071216	

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 and di-n-octyl phthalate were detected in the equipment blank. The laboratory case narrative indicated several SVOC LCS/LCSD recoveries and SVOC LCS/LCSD RPDs were outside evaluation criteria. The SVOC surrogate recovery for terphenyl-d_{14} was outside criteria in sample P56-ROX-071216. Method 8260 VOC, Method 8270 SVOC, and Method 8011 VOC MS/MSD recoveries and RPDs were outside evaluation criteria in sample P74-ROX-071216. VOCs in samples P56-ROX-071216 and T12-ROX-071216 were diluted to bring the concentrations within instrument calibration range. These issues are addressed further in the appropriate sections below. Additionally, the laboratory report was revised to include the laboratory case narrative, which had been inadvertently omitted from the initial laboratory report.

Additionally, the continuing calibration verification for 2-chloroethyl vinyl ether, n-nitrosodimethylamine, 2,4,5-trichlorophenol, 2,4,6-trichlorophenol, 2,6-dinitrophenol, and 4-nitroaniline exceeded evaluation criteria. 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 0.4°C, 0.4°C, and 0.5°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
P93C-ROX-071216-EB	PAHs	Benzo[a]anthracene	0.046 µg/L
P93C-ROX-071216-EB	PAHs	Benzo[b]fluoranthene	0.056 µg/L
P93C-ROX-071216-EB	PAHs	Benzo[k]fluoranthene	0.040 µg/L
P93C-ROX-071216-EB	PAHs	Fluoranthene	0.028 µg/L
P93C-ROX-071216-EB	SVOCs	Di-n-octyl phthalate	1.0 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. Please see section 12.0 of this review for additional qualifications regarding samples associated with di-n-octyl phthalate in equipment blank P93C-ROX-071216-EB.

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 400-315486/1002	VOCs	2-Chloroethyl vinyl ether	**289**	NA	10-160
LCS/LCSD 400-314434/4-A/5-A	SVOCs	Benzenethiol	**2/3**	**40**	20-150/30
LCS/LCSD 400-314434/2-A/3-A	SVOCs	Aniline	68/24	**95**	10-145/30
LCS/LCSD 400-314434/2-A/3-A	SVOCs	Dibenz[a,h]acridine	60/**56**	6	60-131/30
LCS/LCSD 400-314434/2-A/3-A	SVOCs	Pyridine	54/**3**	**179**	10-127/30

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
P56-ROX-071216	SVOCs	Benzenethiol	**UJ**
P56-ROX-071216	SVOCs	Dibenz[a,h]acridine	**UJ**
P56-ROX-071216	SVOCs	Pyridine	**UJ**
P74-ROX-071216	SVOCs	Benzenethiol	**UJ**
P74-ROX-071216	SVOCs	Dibenz[a,h]acridine	**UJ**
P74-ROX-071216	SVOCs	Pyridine	**UJ**
P93C-ROX-071216	SVOCs	Benzenethiol	**UJ**

Sample ID	Parameter	Analyte	Qualification
P93C-ROX-071216	SVOCs	Dibenz[a,h]acridine	**UJ**
P93C-ROX-071216	SVOCs	Pyridine	**UJ**
T12-ROX-071216	SVOCs	Benzenethiol	**UJ**
T12-ROX-071216	SVOCs	Dibenz[a,h]acridine	**UJ**
T12-ROX-071216	SVOCs	Pyridine	**UJ**

6.0 Surrogate Recoveries

Were surrogate recoveries within evaluation criteria?

No

Sample ID	Parameter	Surrogate	Recovery (%)	Criteria (%)
P56-ROX-071216	SVOCs	Terphenyl-d_{14}	**40**	53-125

Qualifications due to surrogate recoveries were not required due to only one of three base fraction surrogate recoveries being outside evaluation criteria. 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 P74-ROX-071216 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
P74-ROX-071216	VOCs	2-Chloroethyl vinyl ether	**0/0**	**NC**	10-160/50
P74-ROX-071216	SVOCs	Pyridine	**0/0**	**NC**	10-130/55
P74-ROX-071216	VOCs by 8011	1,2-Dibromo-3-chloropropane	76/87	**23**	65-135/20

LCS/LCSD recoveries were within evaluation criteria, with the exception of those analytes listed in Section 5.0 of this review; 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, professional judgment was also used to qualify as estimated, however not reject, data that was only associated with di-n-octyl phthalate in equipment blank P93C-ROX-071216-EB.

Sample ID	Parameter	Analyte	New Reporting Limit (RL)	Qualification
P56-ROX-071216	SVOCs	Di-n-octyl phthalate	-	**J**
P93C-ROX-071216	SVOCs	Di-n-octyl phthalate	-	**J**
T12-ROX-071216	SVOCs	Di-n-octyl phthalate	-	**J**

Roxana Groundwater Quarterly – 3rd Quarter 2016 Data Review

Laboratory SDG: 400-124401-1

Data Reviewer: Melissa Mansker

Peer Reviewer: Elizabeth Kunkel

Date Reviewed: 8/9/2016

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

Sample Identification	Sample Identification
TB-ROX-071216R-8011	TB-ROX-071216R-8260
MW26-ROX-071216	MW12-ROX-071216
MW16-ROX-071216	MW24-ROX-071216-EB
MW24-ROX-071216	P54-ROX-071216

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, 2-methylnaphthalene and di-n-octyl phthalate were detected in the equipment blank. The laboratory case narrative indicated several SVOC LCS/LCSD recoveries and SVOC LCS/LCSD RPDs were outside evaluation criteria. The SVOC surrogate recovery for terphenyl-d_{14} was outside criteria in several samples. Method 8260 VOC MS/MSD recoveries and RPDs were outside evaluation criteria in sample MW26-ROX-071216. These issues are addressed further in the appropriate sections below.

Additionally, the initial calibration verification for bromomethane, and the continuing calibration verification for benzyl alcohol, 1,4-dioxane, and aniline exceeded evaluation criteria. 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 0.4°C, 0.4°C, and 0.5°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
MW24-ROX-071216-EB	PAHs	2-Methylnaphthalene	0.053 µg/L
MW24-ROX-071216-EB	SVOCs	Di-n-octyl phthalate	0.69 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. Please see section 12.0 of this review for additional qualifications regarding samples associated with di-n-octyl phthalate and 2-methylnaphthalene in equipment blank MW24-ROX-071216-EB.

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 400-314434/4-A/5-A	SVOCs	Benzenethiol	**2/3**	**40**	20-150/30
LCS/LCSD 400-314434/2-A/3-A	SVOCs	Aniline	68/24	**95**	10-145/30
LCS/LCSD 400-314434/2-A/3-A	SVOCs	Dibenz[a,h]acridine	60/**56**	6	60-131/30
LCS/LCSD 400-314434/2-A/3-A	SVOCs	Pyridine	54/**3**	**179**	10-127/30

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 if LCS/LCSD recoveries were within evaluation criteria.

Sample ID	Parameter	Analyte	Qualification
MW26-ROX-071216	SVOCs	Benzenethiol	**UJ**
MW26-ROX-071216	SVOCs	Dibenz[a,h]acridine	**UJ**
MW26-ROX-071216	SVOCs	Pyridine	**UJ**
MW12-ROX-071216	SVOCs	Benzenethiol	**UJ**
MW12-ROX-071216	SVOCs	Dibenz[a,h]acridine	**UJ**
MW12-ROX-071216	SVOCs	Pyridine	**UJ**
MW16-ROX-071216	SVOCs	Benzenethiol	**UJ**
MW16-ROX-071216	SVOCs	Dibenz[a,h]acridine	**UJ**
MW16-ROX-071216	SVOCs	Pyridine	**UJ**
MW24-ROX-071216	SVOCs	Benzenethiol	**UJ**
MW24-ROX-071216	SVOCs	Dibenz[a,h]acridine	**UJ**
MW24-ROX-071216	SVOCs	Pyridine	**UJ**
P54-ROX-071216	SVOCs	Benzenethiol	**UJ**
P54-ROX-071216	SVOCs	Dibenz[a,h]acridine	**UJ**
P54-ROX-071216	SVOCs	Pyridine	**UJ**

6.0 Surrogate Recoveries

Were surrogate recoveries within evaluation criteria?

No

Sample ID	Parameter	Surrogate	Recovery (%)	Criteria (%)
MW26-ROX-071216	SVOCs	Terphenyl-d_{14}	**36**	53-125
MW12-ROX-071216	SVOCs	Terphenyl-d_{14}	**38**	53-125
P54-ROX-071216	SVOCs	Terphenyl-d_{14}	**52**	53-125

Qualifications due to surrogate recoveries were not required due to only one of three base fraction surrogate recoveries being outside evaluation criteria. 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 MW26-ROX-071216 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
MW26-ROX-071216	VOCs	Bromomethane	130/**167**	25	10-160/50
MW26-ROX-071216	VOCs	2-Choroethyl vinyl ether	56/**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, professional judgment was also used to qualify as estimated, however not reject, data that was only associated with di-n-octyl phthalate detections in equipment blank MW24-ROX-071216-EB, and also for 2-methylnaphthalene, due to historical detections.

Sample ID	Parameter	Analyte	New Reporting Limit (RL)	Qualification
MW26-ROX-071216	SVOCs	Di-n-octyl phthalate	-	**J**
MW12-ROX-071216	PAHs	2-Methylnaphthalene	-	**J**
MW12-ROX-071216	SVOCs	Di-n-octyl phthalate	-	**J**
MW16-ROX-071216	SVOCs	Di-n-octyl phthalate	-	**J**
MW24-ROX-071216	PAHs	2-Methylnaphthalene	-	**J**
MW24-ROX-071216	SVOCs	Di-n-octyl phthalate	-	**J**
P54-ROX-071216	PAHs	2-Methylnaphthalene	-	**J**
P54-ROX-071216	SVOCs	Di-n-octyl phthalate	-	**J**

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: 400-124401-1
TestAmerica SDG: 60477387 - 1.03.003/1.03.0033
Client Project/Site: ROXANA QUARTERLY GW - 3Q16

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:
7/31/2016 12:32:26 PM

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LINKS

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Reviewed 8/9/2016

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: 400-124401-1

Laboratory: TestAmerica Pensacola

Narrative

Job Narrative
400-124401-1

Receipt
The samples were received on 7/13/2016 8:29 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 4 coolers at receipt time were 0.4°C, 0.4°C, 0.5°C and 2.5°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-071216W-8260 (400-124401-2), MW26-ROX-071216 (400-124401-3), MW12-ROX-071216 (400-124401-4), MW16-ROX-071216 (400-124401-5), MW24-ROX-071216-EB (400-124401-6), MW24-ROX-071216 (400-124401-7) and P54-ROX-071216 (400-124401-8). The requested target analytes list include acrolein, acrylonitrile and 2-chloroethyl vinyl ether, which are acid-labile compounds that degrade in an acidic medium.

The matrix spike duplicate (MSD) recovery for analytical batch 400-314949 was 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 analytical batch 400-314949 because the recovery was below the reporting limit for the MSD due to the acidic nature of the parent sample.

The initial calibration verification (ICV) analyzed in batch 400-313890 was outside method criteria for the following analyte: Bromomethane. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

The matrix spike duplicate (MSD) recoveries for analytical batch 400-314949 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

GC/MS Semi VOA
Method 8270D: The following analytes recovered outside control limits for the LCSD associated with preparation batch 400-314434 and analytical batch 400-314976: Aniline, Pyridine and Dibenz[a,h]acridine. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.

The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for preparation batch 400-314434 and analytical batch 400-314976 recovered outside control limits for the following analyte(s): Phenylmercaptan. Phenylmercaptan has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed.

The continuing calibration verification (CCV) associated with batch 400-315168 recovered above the upper control limit for Benzyl alcohol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: MW26-ROX-071216 (400-124401-3), MW12-ROX-071216 (400-124401-4), MW16-ROX-071216 (400-124401-5), MW24-ROX-071216-EB (400-124401-6), MW24-ROX-071216 (400-124401-7) and P54-ROX-071216 (400-124401-8).

Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base 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-071216 (400-124401-3) and MW12-ROX-071216 (400-124401-4). These results have been reported and qualified.

The continuing calibration verification (CCV) analyzed in batch 400-315708 was outside the method criteria for the following analytes: 1,4-Dioxane and Aniline. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analytes is considered estimated.

The continuing calibration verification (CCV) associated with batch 400-315708 recovered above the upper control limit for Benzyl alcohol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: MW24-ROX-071216 (400-124401-7) and P54-ROX-071216 (400-124401-8).

Job ID: 400-124401-1 (Continued)

Laboratory: TestAmerica Pensacola (Continued)

Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base 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: P54-ROX-071216 (400-124401-8). 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 - 3Q16

TestAmerica Job ID: 400-124401-1
SDG: 60477387 - 1.03.003/1.03.0033

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-124401-1	TB-ROX-071216W-8011	Water	07/12/16 00:00	07/13/16 08:29
400-124401-2	TB-ROX-071216W-8260	Water	07/12/16 00:00	07/13/16 08:29
400-124401-3	MW26-ROX-071216	Water	07/12/16 09:10	07/13/16 08:29
400-124401-4	MW12-ROX-071216	Water	07/12/16 10:15	07/13/16 08:29
400-124401-5	MW16-ROX-071216	Water	07/12/16 11:15	07/13/16 08:29
400-124401-6	MW24-ROX-071216-EB	Water	07/12/16 12:40	07/13/16 08:29
400-124401-7	MW24-ROX-071216	Water	07/12/16 13:45	07/13/16 08:29
400-124401-8	P54-ROX-071216	Water	07/12/16 14:35	07/13/16 08:29

Detection Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 3Q16

TestAmerica Job ID: 400-124401-1
SDG: 60477387 - 1.03.003/1.03.0033

Client Sample ID: TB-ROX-071216W-8011 — Lab Sample ID: 400-124401-1

No Detections.

Client Sample ID: TB-ROX-071216W-8260 — Lab Sample ID: 400-124401-2

No Detections.

Client Sample ID: MW26-ROX-071216 — Lab Sample ID: 400-124401-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Di-n-octyl phthalate	0.58	J	10	0.44	ug/L	1		8270D	Total/NA

Client Sample ID: MW12-ROX-071216 — Lab Sample ID: 400-124401-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.051	J	0.20	0.020	ug/L	1		8270D LL	Total/NA
Di-n-octyl phthalate	0.55	J	10	0.44	ug/L	1		8270D	Total/NA

Client Sample ID: MW16-ROX-071216 — Lab Sample ID: 400-124401-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Di-n-octyl phthalate	0.72	J	10	0.44	ug/L	1		8270D	Total/NA

Client Sample ID: MW24-ROX-071216-EB — Lab Sample ID: 400-124401-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.053	J	0.20	0.020	ug/L	1		8270D LL	Total/NA
Di-n-octyl phthalate	0.69	J	10	0.44	ug/L	1		8270D	Total/NA

Client Sample ID: MW24-ROX-071216 — Lab Sample ID: 400-124401-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1-Methylnaphthalene	0.030	J	0.20	0.020	ug/L	1		8270D LL	Total/NA
2-Methylnaphthalene	0.035	J	0.20	0.020	ug/L	1		8270D LL	Total/NA
Di-n-octyl phthalate	0.73	J	10	0.44	ug/L	1		8270D	Total/NA

Client Sample ID: P54-ROX-071216 — Lab Sample ID: 400-124401-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1-Methylnaphthalene	0.038	J	0.20	0.020	ug/L	1		8270D LL	Total/NA
2-Methylnaphthalene	0.049	J	0.20	0.020	ug/L	1		8270D LL	Total/NA
Bis(2-ethylhexyl) phthalate	2.4	J	10	2.3	ug/L	1		8270D	Total/NA
Di-n-octyl phthalate	0.83	J	10	0.44	ug/L	1		8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: TB-ROX-071216W-8011
Date Collected: 07/12/16 00:00
Date Received: 07/13/16 08:29

Lab Sample ID: 400-124401-1
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		0.035	0.0064	ug/L		07/16/16 11:05	07/16/16 23:59	1
1,2-Dibromoethane	ND		0.023	0.0058	ug/L		07/16/16 11:05	07/16/16 23:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*		*51 - 149*	*07/16/16 11:05*	*07/16/16 23:59*	*1*

Client Sample ID: TB-ROX-071216W-8260

Date Collected: 07/12/16 00:00
Date Received: 07/13/16 08:29

Lab Sample ID: 400-124401-2

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			07/20/16 12:45	1
Acrolein	ND		20	10	ug/L			07/20/16 12:45	1
Acrylonitrile	ND		10	2.8	ug/L			07/20/16 12:45	1
Benzene	ND		1.0	0.38	ug/L			07/20/16 12:45	1
Bromobenzene	ND		1.0	0.54	ug/L			07/20/16 12:45	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/20/16 12:45	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/20/16 12:45	1
Bromoform	ND		5.0	0.71	ug/L			07/20/16 12:45	1
Bromomethane	ND		1.0	0.98	ug/L			07/20/16 12:45	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/20/16 12:45	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/20/16 12:45	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			07/20/16 12:45	1
Chlorobenzene	ND		1.0	0.50	ug/L			07/20/16 12:45	1
Dibromochloromethane	ND		1.0	0.50	ug/L			07/20/16 12:45	1
Chloroethane	ND		1.0	0.76	ug/L			07/20/16 12:45	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/20/16 12:45	1
Chloroform	ND		1.0	0.60	ug/L			07/20/16 12:45	1
1-Chlorohexane	ND		1.0	0.70	ug/L			07/20/16 12:45	1
Chloromethane	ND		1.0	0.83	ug/L			07/20/16 12:45	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/20/16 12:45	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/20/16 12:45	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/20/16 12:45	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/20/16 12:45	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/20/16 12:45	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/20/16 12:45	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/20/16 12:45	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			07/20/16 12:45	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/20/16 12:45	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/20/16 12:45	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/20/16 12:45	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/20/16 12:45	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			07/20/16 12:45	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/20/16 12:45	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/20/16 12:45	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/20/16 12:45	1
2-Hexanone	ND		25	3.1	ug/L			07/20/16 12:45	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/20/16 12:45	1
Methylene bromide	ND		5.0	0.59	ug/L			07/20/16 12:45	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/20/16 12:45	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/20/16 12:45	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			07/20/16 12:45	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			07/20/16 12:45	1
Naphthalene	ND		1.0	1.0	ug/L			07/20/16 12:45	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/20/16 12:45	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/20/16 12:45	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/20/16 12:45	1
o-Xylene	ND		5.0	0.60	ug/L			07/20/16 12:45	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/20/16 12:45	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/20/16 12:45	1

Client Sample ID: TB-ROX-071216W-8260

Date Collected: 07/12/16 00:00
Date Received: 07/13/16 08:29

Lab Sample ID: 400-124401-2

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			07/20/16 12:45	1
Styrene	ND		1.0	1.0	ug/L			07/20/16 12:45	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/20/16 12:45	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			07/20/16 12:45	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/20/16 12:45	1
Tetrachloroethene	ND		1.0	0.58	ug/L			07/20/16 12:45	1
Toluene	ND		1.0	0.70	ug/L			07/20/16 12:45	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/20/16 12:45	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/20/16 12:45	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			07/20/16 12:45	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/20/16 12:45	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			07/20/16 12:45	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			07/20/16 12:45	1
Trichloroethene	ND		1.0	0.50	ug/L			07/20/16 12:45	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			07/20/16 12:45	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/20/16 12:45	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/20/16 12:45	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/20/16 12:45	1
Vinyl acetate	ND		25	2.0	ug/L			07/20/16 12:45	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/20/16 12:45	1
Xylenes, Total	ND		10	1.6	ug/L			07/20/16 12:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*78 - 118*		*07/20/16 12:45*	*1*
Dibromofluoromethane	*101*		*81 - 121*		*07/20/16 12:45*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*07/20/16 12:45*	*1*

Client Sample ID: MW26-ROX-071216

Date Collected: 07/12/16 09:10
Date Received: 07/13/16 08:29

Lab Sample ID: 400-124401-3

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			07/20/16 13:13	1
Acrolein	ND		20	10	ug/L			07/20/16 13:13	1
Acrylonitrile	ND		10	2.8	ug/L			07/20/16 13:13	1
Benzene	ND		1.0	0.38	ug/L			07/20/16 13:13	1
Bromobenzene	ND		1.0	0.54	ug/L			07/20/16 13:13	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/20/16 13:13	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/20/16 13:13	1
Bromoform	ND		5.0	0.71	ug/L			07/20/16 13:13	1
Bromomethane	ND	F1	1.0	0.98	ug/L			07/20/16 13:13	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/20/16 13:13	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/20/16 13:13	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			07/20/16 13:13	1
Chlorobenzene	ND		1.0	0.50	ug/L			07/20/16 13:13	1
Dibromochloromethane	ND		1.0	0.50	ug/L			07/20/16 13:13	1
Chloroethane	ND		1.0	0.76	ug/L			07/20/16 13:13	1
2-Chloroethyl vinyl ether	ND	F1	5.0	2.0	ug/L			07/20/16 13:13	1
Chloroform	ND		1.0	0.60	ug/L			07/20/16 13:13	1
1-Chlorohexane	ND		1.0	0.70	ug/L			07/20/16 13:13	1
Chloromethane	ND		1.0	0.83	ug/L			07/20/16 13:13	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/20/16 13:13	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/20/16 13:13	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/20/16 13:13	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/20/16 13:13	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/20/16 13:13	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/20/16 13:13	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/20/16 13:13	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			07/20/16 13:13	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/20/16 13:13	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/20/16 13:13	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/20/16 13:13	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/20/16 13:13	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			07/20/16 13:13	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/20/16 13:13	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/20/16 13:13	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/20/16 13:13	1
2-Hexanone	ND		25	3.1	ug/L			07/20/16 13:13	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/20/16 13:13	1
Methylene bromide	ND		5.0	0.59	ug/L			07/20/16 13:13	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/20/16 13:13	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/20/16 13:13	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			07/20/16 13:13	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			07/20/16 13:13	1
Naphthalene	ND		1.0	1.0	ug/L			07/20/16 13:13	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/20/16 13:13	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/20/16 13:13	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/20/16 13:13	1
o-Xylene	ND		5.0	0.60	ug/L			07/20/16 13:13	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/20/16 13:13	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/20/16 13:13	1

Client Sample ID: MW26-ROX-071216

Date Collected: 07/12/16 09:10
Date Received: 07/13/16 08:29

Lab Sample ID: 400-124401-3

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			07/20/16 13:13	1
Styrene	ND		1.0	1.0	ug/L			07/20/16 13:13	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/20/16 13:13	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			07/20/16 13:13	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/20/16 13:13	1
Tetrachloroethene	ND		1.0	0.58	ug/L			07/20/16 13:13	1
Toluene	ND		1.0	0.70	ug/L			07/20/16 13:13	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/20/16 13:13	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/20/16 13:13	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			07/20/16 13:13	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/20/16 13:13	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			07/20/16 13:13	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			07/20/16 13:13	1
Trichloroethene	ND		1.0	0.50	ug/L			07/20/16 13:13	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			07/20/16 13:13	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/20/16 13:13	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/20/16 13:13	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/20/16 13:13	1
Vinyl acetate	ND		25	2.0	ug/L			07/20/16 13:13	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/20/16 13:13	1
Xylenes, Total	ND		10	1.6	ug/L			07/20/16 13:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*78 - 118*		*07/20/16 13:13*	*1*
Dibromofluoromethane	*102*		*81 - 121*		*07/20/16 13:13*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*07/20/16 13:13*	*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		07/15/16 14:44	07/20/16 12:20	1
Acenaphthylene	ND		0.20	0.020	ug/L		07/15/16 14:44	07/20/16 12:20	1
Anthracene	ND		0.20	0.020	ug/L		07/15/16 14:44	07/20/16 12:20	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/15/16 14:44	07/20/16 12:20	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		07/15/16 14:44	07/20/16 12:20	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		07/15/16 14:44	07/20/16 12:20	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		07/15/16 14:44	07/20/16 12:20	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/15/16 14:44	07/20/16 12:20	1
Chrysene	ND		0.20	0.040	ug/L		07/15/16 14:44	07/20/16 12:20	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		07/15/16 14:44	07/20/16 12:20	1
Fluoranthene	ND		0.20	0.020	ug/L		07/15/16 14:44	07/20/16 12:20	1
Fluorene	ND		0.20	0.021	ug/L		07/15/16 14:44	07/20/16 12:20	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		07/15/16 14:44	07/20/16 12:20	1
Phenanthrene	ND		0.20	0.020	ug/L		07/15/16 14:44	07/20/16 12:20	1
Pyrene	ND		0.20	0.020	ug/L		07/15/16 14:44	07/20/16 12:20	1
1-Methylnaphthalene	ND		0.20	0.020	ug/L		07/15/16 14:44	07/20/16 12:20	1
2-Methylnaphthalene	ND		0.20	0.020	ug/L		07/15/16 14:44	07/20/16 12:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*41*		*33 - 138*	*07/15/16 14:44*	*07/20/16 12:20*	*1*
2-Fluorobiphenyl	*54*		*15 - 122*	*07/15/16 14:44*	*07/20/16 12:20*	*1*

Client Sample ID: MW26-ROX-071216

Date Collected: 07/12/16 09:10
Date Received: 07/13/16 08:29

Lab Sample ID: 400-124401-3

Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*49*		*19 - 130*	*07/15/16 14:44*	*07/20/16 12:20*	*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		07/15/16 14:44	07/21/16 19:39	1
Benzenethiol	ND	* UJ	10	1.7	ug/L		07/15/16 14:44	07/21/16 19:39	1
Benzoic acid	ND		30	7.3	ug/L		07/15/16 14:44	07/21/16 19:39	1
Benzyl alcohol	ND		10	2.0	ug/L		07/15/16 14:44	07/21/16 19:39	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		07/15/16 14:44	07/21/16 19:39	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		07/15/16 14:44	07/21/16 19:39	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		07/15/16 14:44	07/21/16 19:39	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		07/15/16 14:44	07/21/16 19:39	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		07/15/16 14:44	07/21/16 19:39	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		07/15/16 14:44	07/21/16 19:39	1
4-Chloroaniline	ND		10	3.4	ug/L		07/15/16 14:44	07/21/16 19:39	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		07/15/16 14:44	07/21/16 19:39	1
2-Chloronaphthalene	ND		10	0.52	ug/L		07/15/16 14:44	07/21/16 19:39	1
2-Chlorophenol	ND		10	2.2	ug/L		07/15/16 14:44	07/21/16 19:39	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		07/15/16 14:44	07/21/16 19:39	1
Dibenz[a,h]acridine	ND	UJ	10	3.0	ug/L		07/15/16 14:44	07/21/16 19:39	1
Dibenzofuran	ND		10	0.52	ug/L		07/15/16 14:44	07/21/16 19:39	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		07/15/16 14:44	07/21/16 19:39	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		07/15/16 14:44	07/21/16 19:39	1
Diethyl phthalate	ND		10	0.70	ug/L		07/15/16 14:44	07/21/16 19:39	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		07/15/16 14:44	07/21/16 19:39	1
Dimethyl phthalate	ND		10	0.60	ug/L		07/15/16 14:44	07/21/16 19:39	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		07/15/16 14:44	07/21/16 19:39	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/15/16 14:44	07/21/16 19:39	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		07/15/16 14:44	07/21/16 19:39	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		07/15/16 14:44	07/21/16 19:39	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		07/15/16 14:44	07/21/16 19:39	1
Di-n-octyl phthalate	**0.58**	J J	10	0.44	ug/L		07/15/16 14:44	07/21/16 19:39	1
1,4-Dioxane	ND		10	1.0	ug/L		07/15/16 14:44	07/21/16 19:39	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		07/15/16 14:44	07/21/16 19:39	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/15/16 14:44	07/21/16 19:39	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		07/15/16 14:44	07/21/16 19:39	1
Hexachloroethane	ND		10	4.2	ug/L		07/15/16 14:44	07/21/16 19:39	1
Indene	ND		10	1.0	ug/L		07/15/16 14:44	07/21/16 19:39	1
Isophorone	ND		10	0.57	ug/L		07/15/16 14:44	07/21/16 19:39	1
2-Methylphenol	ND		10	1.8	ug/L		07/15/16 14:44	07/21/16 19:39	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		07/15/16 14:44	07/21/16 19:39	1
2-Nitroaniline	ND		10	2.2	ug/L		07/15/16 14:44	07/21/16 19:39	1
3-Nitroaniline	ND		10	1.8	ug/L		07/15/16 14:44	07/21/16 19:39	1
4-Nitroaniline	ND		10	2.5	ug/L		07/15/16 14:44	07/21/16 19:39	1
Nitrobenzene	ND		10	0.55	ug/L		07/15/16 14:44	07/21/16 19:39	1
2-Nitrophenol	ND		10	0.65	ug/L		07/15/16 14:44	07/21/16 19:39	1
4-Nitrophenol	ND		10	2.1	ug/L		07/15/16 14:44	07/21/16 19:39	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		07/15/16 14:44	07/21/16 19:39	1

Client Sample ID: MW26-ROX-071216
Date Collected: 07/12/16 09:10
Date Received: 07/13/16 08:29

Lab Sample ID: 400-124401-3
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		07/15/16 14:44	07/21/16 19:39	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		07/15/16 14:44	07/21/16 19:39	1
Pentachlorophenol	ND		20	1.8	ug/L		07/15/16 14:44	07/21/16 19:39	1
Phenol	ND		10	2.6	ug/L		07/15/16 14:44	07/21/16 19:39	1
Pyridine	ND	UJ	10	3.2	ug/L		07/15/16 14:44	07/21/16 19:39	1
Quinoline	ND		10	6.0	ug/L		07/15/16 14:44	07/21/16 19:39	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		07/15/16 14:44	07/21/16 19:39	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		07/15/16 14:44	07/21/16 19:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*51*		*34 - 120*	*07/15/16 14:44*	*07/21/16 19:39*	*1*
2-Fluorophenol	*33*		*10 - 120*	*07/15/16 14:44*	*07/21/16 19:39*	*1*
Nitrobenzene-d5	*55*		*27 - 120*	*07/15/16 14:44*	*07/21/16 19:39*	*1*
Phenol-d5	*38*		*10 - 120*	*07/15/16 14:44*	*07/21/16 19:39*	*1*
Terphenyl-d14	*36*	*X*	*53 - 125*	*07/15/16 14:44*	*07/21/16 19:39*	*1*
2,4,6-Tribromophenol	*42*		*15 - 135*	*07/15/16 14:44*	*07/21/16 19:39*	*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		07/16/16 11:05	07/17/16 00:29	1
1,2-Dibromoethane	ND		0.021	0.0053	ug/L		07/16/16 11:05	07/17/16 00:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*72*		*51 - 149*	*07/16/16 11:05*	*07/17/16 00:29*	*1*

Client Sample ID: MW12-ROX-071216

Date Collected: 07/12/16 10:15
Date Received: 07/13/16 08:29

Lab Sample ID: 400-124401-4

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			07/20/16 13:40	1
Acrolein	ND		20	10	ug/L			07/20/16 13:40	1
Acrylonitrile	ND		10	2.8	ug/L			07/20/16 13:40	1
Benzene	ND		1.0	0.38	ug/L			07/20/16 13:40	1
Bromobenzene	ND		1.0	0.54	ug/L			07/20/16 13:40	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/20/16 13:40	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/20/16 13:40	1
Bromoform	ND		5.0	0.71	ug/L			07/20/16 13:40	1
Bromomethane	ND		1.0	0.98	ug/L			07/20/16 13:40	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/20/16 13:40	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/20/16 13:40	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			07/20/16 13:40	1
Chlorobenzene	ND		1.0	0.50	ug/L			07/20/16 13:40	1
Dibromochloromethane	ND		1.0	0.50	ug/L			07/20/16 13:40	1
Chloroethane	ND		1.0	0.76	ug/L			07/20/16 13:40	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/20/16 13:40	1
Chloroform	ND		1.0	0.60	ug/L			07/20/16 13:40	1
1-Chlorohexane	ND		1.0	0.70	ug/L			07/20/16 13:40	1
Chloromethane	ND		1.0	0.83	ug/L			07/20/16 13:40	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/20/16 13:40	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/20/16 13:40	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/20/16 13:40	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/20/16 13:40	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/20/16 13:40	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/20/16 13:40	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/20/16 13:40	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			07/20/16 13:40	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/20/16 13:40	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/20/16 13:40	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/20/16 13:40	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/20/16 13:40	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			07/20/16 13:40	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/20/16 13:40	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/20/16 13:40	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/20/16 13:40	1
2-Hexanone	ND		25	3.1	ug/L			07/20/16 13:40	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/20/16 13:40	1
Methylene bromide	ND		5.0	0.59	ug/L			07/20/16 13:40	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/20/16 13:40	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/20/16 13:40	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			07/20/16 13:40	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			07/20/16 13:40	1
Naphthalene	ND		1.0	1.0	ug/L			07/20/16 13:40	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/20/16 13:40	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/20/16 13:40	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/20/16 13:40	1
o-Xylene	ND		5.0	0.60	ug/L			07/20/16 13:40	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/20/16 13:40	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/20/16 13:40	1

Client Sample ID: MW12-ROX-071216

Date Collected: 07/12/16 10:15
Date Received: 07/13/16 08:29

Lab Sample ID: 400-124401-4

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			07/20/16 13:40	1
Styrene	ND		1.0	1.0	ug/L			07/20/16 13:40	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/20/16 13:40	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			07/20/16 13:40	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/20/16 13:40	1
Tetrachloroethene	ND		1.0	0.58	ug/L			07/20/16 13:40	1
Toluene	ND		1.0	0.70	ug/L			07/20/16 13:40	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/20/16 13:40	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/20/16 13:40	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			07/20/16 13:40	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/20/16 13:40	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			07/20/16 13:40	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			07/20/16 13:40	1
Trichloroethene	ND		1.0	0.50	ug/L			07/20/16 13:40	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			07/20/16 13:40	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/20/16 13:40	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/20/16 13:40	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/20/16 13:40	1
Vinyl acetate	ND		25	2.0	ug/L			07/20/16 13:40	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/20/16 13:40	1
Xylenes, Total	ND		10	1.6	ug/L			07/20/16 13:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*78 - 118*		*07/20/16 13:40*	*1*
Dibromofluoromethane	*101*		*81 - 121*		*07/20/16 13:40*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*07/20/16 13:40*	*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		07/15/16 14:44	07/20/16 12:45	1
Acenaphthylene	ND		0.20	0.020	ug/L		07/15/16 14:44	07/20/16 12:45	1
Anthracene	ND		0.20	0.020	ug/L		07/15/16 14:44	07/20/16 12:45	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/15/16 14:44	07/20/16 12:45	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		07/15/16 14:44	07/20/16 12:45	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		07/15/16 14:44	07/20/16 12:45	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		07/15/16 14:44	07/20/16 12:45	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/15/16 14:44	07/20/16 12:45	1
Chrysene	ND		0.20	0.040	ug/L		07/15/16 14:44	07/20/16 12:45	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		07/15/16 14:44	07/20/16 12:45	1
Fluoranthene	ND		0.20	0.020	ug/L		07/15/16 14:44	07/20/16 12:45	1
Fluorene	ND		0.20	0.021	ug/L		07/15/16 14:44	07/20/16 12:45	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		07/15/16 14:44	07/20/16 12:45	1
Phenanthrene	ND		0.20	0.020	ug/L		07/15/16 14:44	07/20/16 12:45	1
Pyrene	ND		0.20	0.020	ug/L		07/15/16 14:44	07/20/16 12:45	1
1-Methylnaphthalene	ND		0.20	0.020	ug/L		07/15/16 14:44	07/20/16 12:45	1
2-Methylnaphthalene	**0.051**	J J	0.20	0.020	ug/L		07/15/16 14:44	07/20/16 12:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*43*		*33 - 138*	*07/15/16 14:44*	*07/20/16 12:45*	*1*
2-Fluorobiphenyl	*51*		*15 - 122*	*07/15/16 14:44*	*07/20/16 12:45*	*1*

Client Sample ID: MW12-ROX-071216
Date Collected: 07/12/16 10:15
Date Received: 07/13/16 08:29

Lab Sample ID: 400-124401-4
Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	49		19 - 130	07/15/16 14:44	07/20/16 12:45	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		07/15/16 14:44	07/21/16 20:09	1
Benzenethiol	ND	* UJ	10	1.7	ug/L		07/15/16 14:44	07/21/16 20:09	1
Benzoic acid	ND		30	7.3	ug/L		07/15/16 14:44	07/21/16 20:09	1
Benzyl alcohol	ND		10	2.0	ug/L		07/15/16 14:44	07/21/16 20:09	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		07/15/16 14:44	07/21/16 20:09	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		07/15/16 14:44	07/21/16 20:09	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		07/15/16 14:44	07/21/16 20:09	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		07/15/16 14:44	07/21/16 20:09	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		07/15/16 14:44	07/21/16 20:09	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		07/15/16 14:44	07/21/16 20:09	1
4-Chloroaniline	ND		10	3.4	ug/L		07/15/16 14:44	07/21/16 20:09	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		07/15/16 14:44	07/21/16 20:09	1
2-Chloronaphthalene	ND		10	0.52	ug/L		07/15/16 14:44	07/21/16 20:09	1
2-Chlorophenol	ND		10	2.2	ug/L		07/15/16 14:44	07/21/16 20:09	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		07/15/16 14:44	07/21/16 20:09	1
Dibenz[a,h]acridine	ND	UJ	10	3.0	ug/L		07/15/16 14:44	07/21/16 20:09	1
Dibenzofuran	ND		10	0.52	ug/L		07/15/16 14:44	07/21/16 20:09	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		07/15/16 14:44	07/21/16 20:09	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		07/15/16 14:44	07/21/16 20:09	1
Diethyl phthalate	ND		10	0.70	ug/L		07/15/16 14:44	07/21/16 20:09	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		07/15/16 14:44	07/21/16 20:09	1
Dimethyl phthalate	ND		10	0.60	ug/L		07/15/16 14:44	07/21/16 20:09	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		07/15/16 14:44	07/21/16 20:09	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/15/16 14:44	07/21/16 20:09	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		07/15/16 14:44	07/21/16 20:09	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		07/15/16 14:44	07/21/16 20:09	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		07/15/16 14:44	07/21/16 20:09	1
Di-n-octyl phthalate	**0.55**	J J	10	0.44	ug/L		07/15/16 14:44	07/21/16 20:09	1
1,4-Dioxane	ND		10	1.0	ug/L		07/15/16 14:44	07/21/16 20:09	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		07/15/16 14:44	07/21/16 20:09	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/15/16 14:44	07/21/16 20:09	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		07/15/16 14:44	07/21/16 20:09	1
Hexachloroethane	ND		10	4.2	ug/L		07/15/16 14:44	07/21/16 20:09	1
Indene	ND		10	1.0	ug/L		07/15/16 14:44	07/21/16 20:09	1
Isophorone	ND		10	0.57	ug/L		07/15/16 14:44	07/21/16 20:09	1
2-Methylphenol	ND		10	1.8	ug/L		07/15/16 14:44	07/21/16 20:09	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		07/15/16 14:44	07/21/16 20:09	1
2-Nitroaniline	ND		10	2.2	ug/L		07/15/16 14:44	07/21/16 20:09	1
3-Nitroaniline	ND		10	1.8	ug/L		07/15/16 14:44	07/21/16 20:09	1
4-Nitroaniline	ND		10	2.5	ug/L		07/15/16 14:44	07/21/16 20:09	1
Nitrobenzene	ND		10	0.55	ug/L		07/15/16 14:44	07/21/16 20:09	1
2-Nitrophenol	ND		10	0.65	ug/L		07/15/16 14:44	07/21/16 20:09	1
4-Nitrophenol	ND		10	2.1	ug/L		07/15/16 14:44	07/21/16 20:09	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		07/15/16 14:44	07/21/16 20:09	1

Client Sample ID: MW12-ROX-071216

Date Collected: 07/12/16 10:15
Date Received: 07/13/16 08:29

Lab Sample ID: 400-124401-4

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		07/15/16 14:44	07/21/16 20:09	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		07/15/16 14:44	07/21/16 20:09	1
Pentachlorophenol	ND		20	1.8	ug/L		07/15/16 14:44	07/21/16 20:09	1
Phenol	ND		10	2.6	ug/L		07/15/16 14:44	07/21/16 20:09	1
Pyridine	ND	UJ	10	3.2	ug/L		07/15/16 14:44	07/21/16 20:09	1
Quinoline	ND		10	6.0	ug/L		07/15/16 14:44	07/21/16 20:09	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		07/15/16 14:44	07/21/16 20:09	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		07/15/16 14:44	07/21/16 20:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*46*		*34 - 120*	*07/15/16 14:44*	*07/21/16 20:09*	*1*
2-Fluorophenol	*30*		*10 - 120*	*07/15/16 14:44*	*07/21/16 20:09*	*1*
Nitrobenzene-d5	*51*		*27 - 120*	*07/15/16 14:44*	*07/21/16 20:09*	*1*
Phenol-d5	*40*		*10 - 120*	*07/15/16 14:44*	*07/21/16 20:09*	*1*
Terphenyl-d14	*38*	*X*	*53 - 125*	*07/15/16 14:44*	*07/21/16 20:09*	*1*
2,4,6-Tribromophenol	*41*		*15 - 135*	*07/15/16 14:44*	*07/21/16 20:09*	*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		0.029	0.0054	ug/L		07/16/16 11:05	07/17/16 00:58	1
1,2-Dibromoethane	ND		0.020	0.0049	ug/L		07/16/16 11:05	07/17/16 00:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*108*		*51 - 149*	*07/16/16 11:05*	*07/17/16 00:58*	*1*

Client Sample ID: MW16-ROX-071216

Date Collected: 07/12/16 11:15
Date Received: 07/13/16 08:29

Lab Sample ID: 400-124401-5

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			07/20/16 14:07	1
Acrolein	ND		20	10	ug/L			07/20/16 14:07	1
Acrylonitrile	ND		10	2.8	ug/L			07/20/16 14:07	1
Benzene	ND		1.0	0.38	ug/L			07/20/16 14:07	1
Bromobenzene	ND		1.0	0.54	ug/L			07/20/16 14:07	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/20/16 14:07	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/20/16 14:07	1
Bromoform	ND		5.0	0.71	ug/L			07/20/16 14:07	1
Bromomethane	ND		1.0	0.98	ug/L			07/20/16 14:07	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/20/16 14:07	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/20/16 14:07	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			07/20/16 14:07	1
Chlorobenzene	ND		1.0	0.50	ug/L			07/20/16 14:07	1
Dibromochloromethane	ND		1.0	0.50	ug/L			07/20/16 14:07	1
Chloroethane	ND		1.0	0.76	ug/L			07/20/16 14:07	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/20/16 14:07	1
Chloroform	ND		1.0	0.60	ug/L			07/20/16 14:07	1
1-Chlorohexane	ND		1.0	0.70	ug/L			07/20/16 14:07	1
Chloromethane	ND		1.0	0.83	ug/L			07/20/16 14:07	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/20/16 14:07	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/20/16 14:07	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/20/16 14:07	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/20/16 14:07	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/20/16 14:07	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/20/16 14:07	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/20/16 14:07	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			07/20/16 14:07	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/20/16 14:07	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/20/16 14:07	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/20/16 14:07	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/20/16 14:07	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			07/20/16 14:07	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/20/16 14:07	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/20/16 14:07	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/20/16 14:07	1
2-Hexanone	ND		25	3.1	ug/L			07/20/16 14:07	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/20/16 14:07	1
Methylene bromide	ND		5.0	0.59	ug/L			07/20/16 14:07	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/20/16 14:07	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/20/16 14:07	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			07/20/16 14:07	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			07/20/16 14:07	1
Naphthalene	ND		1.0	1.0	ug/L			07/20/16 14:07	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/20/16 14:07	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/20/16 14:07	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/20/16 14:07	1
o-Xylene	ND		5.0	0.60	ug/L			07/20/16 14:07	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/20/16 14:07	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/20/16 14:07	1

Client Sample ID: MW16-ROX-071216

Date Collected: 07/12/16 11:15
Date Received: 07/13/16 08:29

Lab Sample ID: 400-124401-5

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			07/20/16 14:07	1
Styrene	ND		1.0	1.0	ug/L			07/20/16 14:07	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/20/16 14:07	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			07/20/16 14:07	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/20/16 14:07	1
Tetrachloroethene	ND		1.0	0.58	ug/L			07/20/16 14:07	1
Toluene	ND		1.0	0.70	ug/L			07/20/16 14:07	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/20/16 14:07	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/20/16 14:07	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			07/20/16 14:07	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/20/16 14:07	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			07/20/16 14:07	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			07/20/16 14:07	1
Trichloroethene	ND		1.0	0.50	ug/L			07/20/16 14:07	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			07/20/16 14:07	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/20/16 14:07	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/20/16 14:07	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/20/16 14:07	1
Vinyl acetate	ND		25	2.0	ug/L			07/20/16 14:07	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/20/16 14:07	1
Xylenes, Total	ND		10	1.6	ug/L			07/20/16 14:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*78 - 118*		*07/20/16 14:07*	*1*
Dibromofluoromethane	*102*		*81 - 121*		*07/20/16 14:07*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*07/20/16 14:07*	*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		07/15/16 14:44	07/20/16 13:11	1
Acenaphthylene	ND		0.20	0.020	ug/L		07/15/16 14:44	07/20/16 13:11	1
Anthracene	ND		0.20	0.020	ug/L		07/15/16 14:44	07/20/16 13:11	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/15/16 14:44	07/20/16 13:11	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		07/15/16 14:44	07/20/16 13:11	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		07/15/16 14:44	07/20/16 13:11	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		07/15/16 14:44	07/20/16 13:11	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/15/16 14:44	07/20/16 13:11	1
Chrysene	ND		0.20	0.040	ug/L		07/15/16 14:44	07/20/16 13:11	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		07/15/16 14:44	07/20/16 13:11	1
Fluoranthene	ND		0.20	0.020	ug/L		07/15/16 14:44	07/20/16 13:11	1
Fluorene	ND		0.20	0.021	ug/L		07/15/16 14:44	07/20/16 13:11	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		07/15/16 14:44	07/20/16 13:11	1
Phenanthrene	ND		0.20	0.020	ug/L		07/15/16 14:44	07/20/16 13:11	1
Pyrene	ND		0.20	0.020	ug/L		07/15/16 14:44	07/20/16 13:11	1
1-Methylnaphthalene	ND		0.20	0.020	ug/L		07/15/16 14:44	07/20/16 13:11	1
2-Methylnaphthalene	ND		0.20	0.020	ug/L		07/15/16 14:44	07/20/16 13:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*83*		*33 - 138*	*07/15/16 14:44*	*07/20/16 13:11*	*1*
2-Fluorobiphenyl	*56*		*15 - 122*	*07/15/16 14:44*	*07/20/16 13:11*	*1*

Client Sample ID: MW16-ROX-071216

Date Collected: 07/12/16 11:15
Date Received: 07/13/16 08:29

Lab Sample ID: 400-124401-5

Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*56*		*19 - 130*	*07/15/16 14:44*	*07/20/16 13:11*	*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		07/15/16 14:44	07/21/16 20:40	1
Benzenethiol	ND	* UJ	10	1.7	ug/L		07/15/16 14:44	07/21/16 20:40	1
Benzoic acid	ND		30	7.3	ug/L		07/15/16 14:44	07/21/16 20:40	1
Benzyl alcohol	ND		10	2.0	ug/L		07/15/16 14:44	07/21/16 20:40	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		07/15/16 14:44	07/21/16 20:40	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		07/15/16 14:44	07/21/16 20:40	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		07/15/16 14:44	07/21/16 20:40	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		07/15/16 14:44	07/21/16 20:40	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		07/15/16 14:44	07/21/16 20:40	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		07/15/16 14:44	07/21/16 20:40	1
4-Chloroaniline	ND		10	3.4	ug/L		07/15/16 14:44	07/21/16 20:40	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		07/15/16 14:44	07/21/16 20:40	1
2-Chloronaphthalene	ND		10	0.52	ug/L		07/15/16 14:44	07/21/16 20:40	1
2-Chlorophenol	ND		10	2.2	ug/L		07/15/16 14:44	07/21/16 20:40	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		07/15/16 14:44	07/21/16 20:40	1
Dibenz[a,h]acridine	ND	UJ	10	3.0	ug/L		07/15/16 14:44	07/21/16 20:40	1
Dibenzofuran	ND		10	0.52	ug/L		07/15/16 14:44	07/21/16 20:40	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		07/15/16 14:44	07/21/16 20:40	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		07/15/16 14:44	07/21/16 20:40	1
Diethyl phthalate	ND		10	0.70	ug/L		07/15/16 14:44	07/21/16 20:40	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		07/15/16 14:44	07/21/16 20:40	1
Dimethyl phthalate	ND		10	0.60	ug/L		07/15/16 14:44	07/21/16 20:40	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		07/15/16 14:44	07/21/16 20:40	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/15/16 14:44	07/21/16 20:40	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		07/15/16 14:44	07/21/16 20:40	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		07/15/16 14:44	07/21/16 20:40	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		07/15/16 14:44	07/21/16 20:40	1
Di-n-octyl phthalate	**0.72**	**J** J	10	0.44	ug/L		07/15/16 14:44	07/21/16 20:40	1
1,4-Dioxane	ND		10	1.0	ug/L		07/15/16 14:44	07/21/16 20:40	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		07/15/16 14:44	07/21/16 20:40	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/15/16 14:44	07/21/16 20:40	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		07/15/16 14:44	07/21/16 20:40	1
Hexachloroethane	ND		10	4.2	ug/L		07/15/16 14:44	07/21/16 20:40	1
Indene	ND		10	1.0	ug/L		07/15/16 14:44	07/21/16 20:40	1
Isophorone	ND		10	0.57	ug/L		07/15/16 14:44	07/21/16 20:40	1
2-Methylphenol	ND		10	1.8	ug/L		07/15/16 14:44	07/21/16 20:40	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		07/15/16 14:44	07/21/16 20:40	1
2-Nitroaniline	ND		10	2.2	ug/L		07/15/16 14:44	07/21/16 20:40	1
3-Nitroaniline	ND		10	1.8	ug/L		07/15/16 14:44	07/21/16 20:40	1
4-Nitroaniline	ND		10	2.5	ug/L		07/15/16 14:44	07/21/16 20:40	1
Nitrobenzene	ND		10	0.55	ug/L		07/15/16 14:44	07/21/16 20:40	1
2-Nitrophenol	ND		10	0.65	ug/L		07/15/16 14:44	07/21/16 20:40	1
4-Nitrophenol	ND		10	2.1	ug/L		07/15/16 14:44	07/21/16 20:40	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		07/15/16 14:44	07/21/16 20:40	1

Client Sample ID: MW16-ROX-071216

Date Collected: 07/12/16 11:15
Date Received: 07/13/16 08:29

Lab Sample ID: 400-124401-5

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		07/15/16 14:44	07/21/16 20:40	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		07/15/16 14:44	07/21/16 20:40	1
Pentachlorophenol	ND		20	1.8	ug/L		07/15/16 14:44	07/21/16 20:40	1
Phenol	ND		10	2.6	ug/L		07/15/16 14:44	07/21/16 20:40	1
Pyridine	ND	UJ	10	3.2	ug/L		07/15/16 14:44	07/21/16 20:40	1
Quinoline	ND		10	6.0	ug/L		07/15/16 14:44	07/21/16 20:40	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		07/15/16 14:44	07/21/16 20:40	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		07/15/16 14:44	07/21/16 20:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*53*		*34 - 120*	*07/15/16 14:44*	*07/21/16 20:40*	*1*
2-Fluorophenol	*21*		*10 - 120*	*07/15/16 14:44*	*07/21/16 20:40*	*1*
Nitrobenzene-d5	*56*		*27 - 120*	*07/15/16 14:44*	*07/21/16 20:40*	*1*
Phenol-d5	*48*		*10 - 120*	*07/15/16 14:44*	*07/21/16 20:40*	*1*
Terphenyl-d14	*63*		*53 - 125*	*07/15/16 14:44*	*07/21/16 20:40*	*1*
2,4,6-Tribromophenol	*49*		*15 - 135*	*07/15/16 14:44*	*07/21/16 20:40*	*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		07/16/16 11:05	07/17/16 01:58	1
1,2-Dibromoethane	ND		0.019	0.0049	ug/L		07/16/16 11:05	07/17/16 01:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*51 - 149*	*07/16/16 11:05*	*07/17/16 01:58*	*1*

Client Sample ID: MW24-ROX-071216-EB

Date Collected: 07/12/16 12:40
Date Received: 07/13/16 08:29

Lab Sample ID: 400-124401-6

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			07/20/16 14:35	1
Acrolein	ND		20	10	ug/L			07/20/16 14:35	1
Acrylonitrile	ND		10	2.8	ug/L			07/20/16 14:35	1
Benzene	ND		1.0	0.38	ug/L			07/20/16 14:35	1
Bromobenzene	ND		1.0	0.54	ug/L			07/20/16 14:35	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/20/16 14:35	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/20/16 14:35	1
Bromoform	ND		5.0	0.71	ug/L			07/20/16 14:35	1
Bromomethane	ND		1.0	0.98	ug/L			07/20/16 14:35	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/20/16 14:35	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/20/16 14:35	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			07/20/16 14:35	1
Chlorobenzene	ND		1.0	0.50	ug/L			07/20/16 14:35	1
Dibromochloromethane	ND		1.0	0.50	ug/L			07/20/16 14:35	1
Chloroethane	ND		1.0	0.76	ug/L			07/20/16 14:35	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/20/16 14:35	1
Chloroform	ND		1.0	0.60	ug/L			07/20/16 14:35	1
1-Chlorohexane	ND		1.0	0.70	ug/L			07/20/16 14:35	1
Chloromethane	ND		1.0	0.83	ug/L			07/20/16 14:35	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/20/16 14:35	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/20/16 14:35	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/20/16 14:35	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/20/16 14:35	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/20/16 14:35	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/20/16 14:35	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/20/16 14:35	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			07/20/16 14:35	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/20/16 14:35	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/20/16 14:35	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/20/16 14:35	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/20/16 14:35	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			07/20/16 14:35	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/20/16 14:35	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/20/16 14:35	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/20/16 14:35	1
2-Hexanone	ND		25	3.1	ug/L			07/20/16 14:35	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/20/16 14:35	1
Methylene bromide	ND		5.0	0.59	ug/L			07/20/16 14:35	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/20/16 14:35	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/20/16 14:35	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			07/20/16 14:35	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			07/20/16 14:35	1
Naphthalene	ND		1.0	1.0	ug/L			07/20/16 14:35	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/20/16 14:35	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/20/16 14:35	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/20/16 14:35	1
o-Xylene	ND		5.0	0.60	ug/L			07/20/16 14:35	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/20/16 14:35	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/20/16 14:35	1

Client Sample ID: MW24-ROX-071216-EB

Date Collected: 07/12/16 12:40
Date Received: 07/13/16 08:29

Lab Sample ID: 400-124401-6

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			07/20/16 14:35	1
Styrene	ND		1.0	1.0	ug/L			07/20/16 14:35	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/20/16 14:35	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			07/20/16 14:35	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/20/16 14:35	1
Tetrachloroethene	ND		1.0	0.58	ug/L			07/20/16 14:35	1
Toluene	ND		1.0	0.70	ug/L			07/20/16 14:35	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/20/16 14:35	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/20/16 14:35	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			07/20/16 14:35	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/20/16 14:35	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			07/20/16 14:35	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			07/20/16 14:35	1
Trichloroethene	ND		1.0	0.50	ug/L			07/20/16 14:35	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			07/20/16 14:35	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/20/16 14:35	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/20/16 14:35	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/20/16 14:35	1
Vinyl acetate	ND		25	2.0	ug/L			07/20/16 14:35	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/20/16 14:35	1
Xylenes, Total	ND		10	1.6	ug/L			07/20/16 14:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*78 - 118*		*07/20/16 14:35*	*1*
Dibromofluoromethane	*102*		*81 - 121*		*07/20/16 14:35*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*07/20/16 14:35*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.020	ug/L		07/15/16 14:44	07/20/16 13:37	1
Acenaphthylene	ND		0.20	0.020	ug/L		07/15/16 14:44	07/20/16 13:37	1
Anthracene	ND		0.20	0.020	ug/L		07/15/16 14:44	07/20/16 13:37	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/15/16 14:44	07/20/16 13:37	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		07/15/16 14:44	07/20/16 13:37	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		07/15/16 14:44	07/20/16 13:37	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		07/15/16 14:44	07/20/16 13:37	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/15/16 14:44	07/20/16 13:37	1
Chrysene	ND		0.20	0.040	ug/L		07/15/16 14:44	07/20/16 13:37	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		07/15/16 14:44	07/20/16 13:37	1
Fluoranthene	ND		0.20	0.020	ug/L		07/15/16 14:44	07/20/16 13:37	1
Fluorene	ND		0.20	0.021	ug/L		07/15/16 14:44	07/20/16 13:37	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		07/15/16 14:44	07/20/16 13:37	1
Phenanthrene	ND		0.20	0.020	ug/L		07/15/16 14:44	07/20/16 13:37	1
Pyrene	ND		0.20	0.020	ug/L		07/15/16 14:44	07/20/16 13:37	1
1-Methylnaphthalene	ND		0.20	0.020	ug/L		07/15/16 14:44	07/20/16 13:37	1
2-Methylnaphthalene	**0.053**	**J**	0.20	0.020	ug/L		07/15/16 14:44	07/20/16 13:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*90*		*33 - 138*	*07/15/16 14:44*	*07/20/16 13:37*	*1*
2-Fluorobiphenyl	*57*		*15 - 122*	*07/15/16 14:44*	*07/20/16 13:37*	*1*

Client Sample ID: MW24-ROX-071216-EB
Date Collected: 07/12/16 12:40
Date Received: 07/13/16 08:29

Lab Sample ID: 400-124401-6
Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	55		19 - 130	07/15/16 14:44	07/20/16 13:37	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		07/15/16 14:44	07/21/16 21:10	1
Benzenethiol	ND	*	10	1.7	ug/L		07/15/16 14:44	07/21/16 21:10	1
Benzoic acid	ND		30	7.3	ug/L		07/15/16 14:44	07/21/16 21:10	1
Benzyl alcohol	ND		10	2.0	ug/L		07/15/16 14:44	07/21/16 21:10	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		07/15/16 14:44	07/21/16 21:10	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		07/15/16 14:44	07/21/16 21:10	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		07/15/16 14:44	07/21/16 21:10	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		07/15/16 14:44	07/21/16 21:10	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		07/15/16 14:44	07/21/16 21:10	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		07/15/16 14:44	07/21/16 21:10	1
4-Chloroaniline	ND		10	3.4	ug/L		07/15/16 14:44	07/21/16 21:10	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		07/15/16 14:44	07/21/16 21:10	1
2-Chloronaphthalene	ND		10	0.52	ug/L		07/15/16 14:44	07/21/16 21:10	1
2-Chlorophenol	ND		10	2.2	ug/L		07/15/16 14:44	07/21/16 21:10	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		07/15/16 14:44	07/21/16 21:10	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		07/15/16 14:44	07/21/16 21:10	1
Dibenzofuran	ND		10	0.52	ug/L		07/15/16 14:44	07/21/16 21:10	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		07/15/16 14:44	07/21/16 21:10	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		07/15/16 14:44	07/21/16 21:10	1
Diethyl phthalate	ND		10	0.70	ug/L		07/15/16 14:44	07/21/16 21:10	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		07/15/16 14:44	07/21/16 21:10	1
Dimethyl phthalate	ND		10	0.60	ug/L		07/15/16 14:44	07/21/16 21:10	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		07/15/16 14:44	07/21/16 21:10	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/15/16 14:44	07/21/16 21:10	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		07/15/16 14:44	07/21/16 21:10	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		07/15/16 14:44	07/21/16 21:10	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		07/15/16 14:44	07/21/16 21:10	1
Di-n-octyl phthalate	**0.69**	**J**	10	0.44	ug/L		07/15/16 14:44	07/21/16 21:10	1
1,4-Dioxane	ND		10	1.0	ug/L		07/15/16 14:44	07/21/16 21:10	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		07/15/16 14:44	07/21/16 21:10	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/15/16 14:44	07/21/16 21:10	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		07/15/16 14:44	07/21/16 21:10	1
Hexachloroethane	ND		10	4.2	ug/L		07/15/16 14:44	07/21/16 21:10	1
Indene	ND		10	1.0	ug/L		07/15/16 14:44	07/21/16 21:10	1
Isophorone	ND		10	0.57	ug/L		07/15/16 14:44	07/21/16 21:10	1
2-Methylphenol	ND		10	1.8	ug/L		07/15/16 14:44	07/21/16 21:10	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		07/15/16 14:44	07/21/16 21:10	1
2-Nitroaniline	ND		10	2.2	ug/L		07/15/16 14:44	07/21/16 21:10	1
3-Nitroaniline	ND		10	1.8	ug/L		07/15/16 14:44	07/21/16 21:10	1
4-Nitroaniline	ND		10	2.5	ug/L		07/15/16 14:44	07/21/16 21:10	1
Nitrobenzene	ND		10	0.55	ug/L		07/15/16 14:44	07/21/16 21:10	1
2-Nitrophenol	ND		10	0.65	ug/L		07/15/16 14:44	07/21/16 21:10	1
4-Nitrophenol	ND		10	2.1	ug/L		07/15/16 14:44	07/21/16 21:10	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		07/15/16 14:44	07/21/16 21:10	1

Client Sample ID: MW24-ROX-071216-EB

Date Collected: 07/12/16 12:40
Date Received: 07/13/16 08:29

Lab Sample ID: 400-124401-6

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		07/15/16 14:44	07/21/16 21:10	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		07/15/16 14:44	07/21/16 21:10	1
Pentachlorophenol	ND		20	1.8	ug/L		07/15/16 14:44	07/21/16 21:10	1
Phenol	ND		10	2.6	ug/L		07/15/16 14:44	07/21/16 21:10	1
Pyridine	ND		10	3.2	ug/L		07/15/16 14:44	07/21/16 21:10	1
Quinoline	ND		10	6.0	ug/L		07/15/16 14:44	07/21/16 21:10	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		07/15/16 14:44	07/21/16 21:10	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		07/15/16 14:44	07/21/16 21:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*55*		*34 - 120*	*07/15/16 14:44*	*07/21/16 21:10*	*1*
2-Fluorophenol	*28*		*10 - 120*	*07/15/16 14:44*	*07/21/16 21:10*	*1*
Nitrobenzene-d5	*61*		*27 - 120*	*07/15/16 14:44*	*07/21/16 21:10*	*1*
Phenol-d5	*52*		*10 - 120*	*07/15/16 14:44*	*07/21/16 21:10*	*1*
Terphenyl-d14	*75*		*53 - 125*	*07/15/16 14:44*	*07/21/16 21:10*	*1*
2,4,6-Tribromophenol	*58*		*15 - 135*	*07/15/16 14:44*	*07/21/16 21:10*	*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		07/16/16 11:05	07/17/16 02:28	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		07/16/16 11:05	07/17/16 02:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*87*		*51 - 149*	*07/16/16 11:05*	*07/17/16 02:28*	*1*

Client Sample ID: MW24-ROX-071216

Lab Sample ID: 400-124401-7

Date Collected: 07/12/16 13:45
Date Received: 07/13/16 08:29

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			07/20/16 15:02	1
Acrolein	ND		20	10	ug/L			07/20/16 15:02	1
Acrylonitrile	ND		10	2.8	ug/L			07/20/16 15:02	1
Benzene	ND		1.0	0.38	ug/L			07/20/16 15:02	1
Bromobenzene	ND		1.0	0.54	ug/L			07/20/16 15:02	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/20/16 15:02	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/20/16 15:02	1
Bromoform	ND		5.0	0.71	ug/L			07/20/16 15:02	1
Bromomethane	ND		1.0	0.98	ug/L			07/20/16 15:02	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/20/16 15:02	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/20/16 15:02	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			07/20/16 15:02	1
Chlorobenzene	ND		1.0	0.50	ug/L			07/20/16 15:02	1
Dibromochloromethane	ND		1.0	0.50	ug/L			07/20/16 15:02	1
Chloroethane	ND		1.0	0.76	ug/L			07/20/16 15:02	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/20/16 15:02	1
Chloroform	ND		1.0	0.60	ug/L			07/20/16 15:02	1
1-Chlorohexane	ND		1.0	0.70	ug/L			07/20/16 15:02	1
Chloromethane	ND		1.0	0.83	ug/L			07/20/16 15:02	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/20/16 15:02	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/20/16 15:02	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/20/16 15:02	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/20/16 15:02	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/20/16 15:02	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/20/16 15:02	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/20/16 15:02	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			07/20/16 15:02	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/20/16 15:02	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/20/16 15:02	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/20/16 15:02	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/20/16 15:02	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			07/20/16 15:02	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/20/16 15:02	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/20/16 15:02	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/20/16 15:02	1
2-Hexanone	ND		25	3.1	ug/L			07/20/16 15:02	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/20/16 15:02	1
Methylene bromide	ND		5.0	0.59	ug/L			07/20/16 15:02	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/20/16 15:02	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/20/16 15:02	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			07/20/16 15:02	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			07/20/16 15:02	1
Naphthalene	ND		1.0	1.0	ug/L			07/20/16 15:02	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/20/16 15:02	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/20/16 15:02	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/20/16 15:02	1
o-Xylene	ND		5.0	0.60	ug/L			07/20/16 15:02	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/20/16 15:02	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/20/16 15:02	1

Client Sample ID: MW24-ROX-071216

Date Collected: 07/12/16 13:45
Date Received: 07/13/16 08:29

Lab Sample ID: 400-124401-7

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			07/20/16 15:02	1
Styrene	ND		1.0	1.0	ug/L			07/20/16 15:02	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/20/16 15:02	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			07/20/16 15:02	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/20/16 15:02	1
Tetrachloroethene	ND		1.0	0.58	ug/L			07/20/16 15:02	1
Toluene	ND		1.0	0.70	ug/L			07/20/16 15:02	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/20/16 15:02	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/20/16 15:02	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			07/20/16 15:02	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/20/16 15:02	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			07/20/16 15:02	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			07/20/16 15:02	1
Trichloroethene	ND		1.0	0.50	ug/L			07/20/16 15:02	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			07/20/16 15:02	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/20/16 15:02	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/20/16 15:02	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/20/16 15:02	1
Vinyl acetate	ND		25	2.0	ug/L			07/20/16 15:02	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/20/16 15:02	1
Xylenes, Total	ND		10	1.6	ug/L			07/20/16 15:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*78 - 118*		*07/20/16 15:02*	*1*
Dibromofluoromethane	*102*		*81 - 121*		*07/20/16 15:02*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*07/20/16 15:02*	*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		07/15/16 14:44	07/20/16 11:08	1
Acenaphthylene	ND		0.20	0.020	ug/L		07/15/16 14:44	07/20/16 11:08	1
Anthracene	ND		0.20	0.020	ug/L		07/15/16 14:44	07/20/16 11:08	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/15/16 14:44	07/20/16 11:08	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		07/15/16 14:44	07/20/16 11:08	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		07/15/16 14:44	07/20/16 11:08	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		07/15/16 14:44	07/20/16 11:08	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/15/16 14:44	07/20/16 11:08	1
Chrysene	ND		0.20	0.040	ug/L		07/15/16 14:44	07/20/16 11:08	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		07/15/16 14:44	07/20/16 11:08	1
Fluoranthene	ND		0.20	0.020	ug/L		07/15/16 14:44	07/20/16 11:08	1
Fluorene	ND		0.20	0.021	ug/L		07/15/16 14:44	07/20/16 11:08	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		07/15/16 14:44	07/20/16 11:08	1
Phenanthrene	ND		0.20	0.020	ug/L		07/15/16 14:44	07/20/16 11:08	1
Pyrene	ND		0.20	0.020	ug/L		07/15/16 14:44	07/20/16 11:08	1
1-Methylnaphthalene	**0.030**	**J**	0.20	0.020	ug/L		07/15/16 14:44	07/20/16 11:08	1
2-Methylnaphthalene	**0.035**	**J** J	0.20	0.020	ug/L		07/15/16 14:44	07/20/16 11:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*108*		*33 - 138*	*07/15/16 14:44*	*07/20/16 11:08*	*1*
2-Fluorobiphenyl	*67*		*15 - 122*	*07/15/16 14:44*	*07/20/16 11:08*	*1*

Client Sample ID: MW24-ROX-071216

Date Collected: 07/12/16 13:45
Date Received: 07/13/16 08:29

Lab Sample ID: 400-124401-7

Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*70*		*19 - 130*	*07/15/16 14:44*	*07/20/16 11:08*	*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		07/15/16 14:44	07/26/16 16:13	1
Benzenethiol	ND	UJ	10	1.7	ug/L		07/15/16 14:44	07/26/16 16:13	1
Benzoic acid	ND		30	7.3	ug/L		07/15/16 14:44	07/26/16 16:13	1
Benzyl alcohol	ND		10	2.0	ug/L		07/15/16 14:44	07/26/16 16:13	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		07/15/16 14:44	07/26/16 16:13	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		07/15/16 14:44	07/26/16 16:13	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		07/15/16 14:44	07/26/16 16:13	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		07/15/16 14:44	07/26/16 16:13	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		07/15/16 14:44	07/26/16 16:13	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		07/15/16 14:44	07/26/16 16:13	1
4-Chloroaniline	ND		10	3.4	ug/L		07/15/16 14:44	07/26/16 16:13	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		07/15/16 14:44	07/26/16 16:13	1
2-Chloronaphthalene	ND		10	0.52	ug/L		07/15/16 14:44	07/26/16 16:13	1
2-Chlorophenol	ND		10	2.2	ug/L		07/15/16 14:44	07/26/16 16:13	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		07/15/16 14:44	07/26/16 16:13	1
Dibenz[a,h]acridine	ND	* UJ	10	3.0	ug/L		07/15/16 14:44	07/26/16 16:13	1
Dibenzofuran	ND		10	0.52	ug/L		07/15/16 14:44	07/26/16 16:13	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		07/15/16 14:44	07/26/16 16:13	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		07/15/16 14:44	07/26/16 16:13	1
Diethyl phthalate	ND		10	0.70	ug/L		07/15/16 14:44	07/26/16 16:13	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		07/15/16 14:44	07/26/16 16:13	1
Dimethyl phthalate	ND		10	0.60	ug/L		07/15/16 14:44	07/26/16 16:13	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		07/15/16 14:44	07/26/16 16:13	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/15/16 14:44	07/26/16 16:13	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		07/15/16 14:44	07/26/16 16:13	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		07/15/16 14:44	07/26/16 16:13	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		07/15/16 14:44	07/26/16 16:13	1
Di-n-octyl phthalate	**0.73**	**J** J	10	0.44	ug/L		07/15/16 14:44	07/26/16 16:13	1
1,4-Dioxane	ND		10	1.0	ug/L		07/15/16 14:44	07/26/16 16:13	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		07/15/16 14:44	07/26/16 16:13	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/15/16 14:44	07/26/16 16:13	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		07/15/16 14:44	07/26/16 16:13	1
Hexachloroethane	ND		10	4.2	ug/L		07/15/16 14:44	07/26/16 16:13	1
Indene	ND		10	1.0	ug/L		07/15/16 14:44	07/26/16 16:13	1
Isophorone	ND		10	0.57	ug/L		07/15/16 14:44	07/26/16 16:13	1
2-Methylphenol	ND		10	1.8	ug/L		07/15/16 14:44	07/26/16 16:13	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		07/15/16 14:44	07/26/16 16:13	1
2-Nitroaniline	ND		10	2.2	ug/L		07/15/16 14:44	07/26/16 16:13	1
3-Nitroaniline	ND		10	1.8	ug/L		07/15/16 14:44	07/26/16 16:13	1
4-Nitroaniline	ND		10	2.5	ug/L		07/15/16 14:44	07/26/16 16:13	1
Nitrobenzene	ND		10	0.55	ug/L		07/15/16 14:44	07/26/16 16:13	1
2-Nitrophenol	ND		10	0.65	ug/L		07/15/16 14:44	07/26/16 16:13	1
4-Nitrophenol	ND		10	2.1	ug/L		07/15/16 14:44	07/26/16 16:13	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		07/15/16 14:44	07/26/16 16:13	1

Client Sample ID: MW24-ROX-071216

Date Collected: 07/12/16 13:45
Date Received: 07/13/16 08:29

Lab Sample ID: 400-124401-7

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		07/15/16 14:44	07/26/16 16:13	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		07/15/16 14:44	07/26/16 16:13	1
Pentachlorophenol	ND		20	1.8	ug/L		07/15/16 14:44	07/26/16 16:13	1
Phenol	ND		10	2.6	ug/L		07/15/16 14:44	07/26/16 16:13	1
Pyridine	ND	* UJ	10	3.2	ug/L		07/15/16 14:44	07/26/16 16:13	1
Quinoline	ND		10	6.0	ug/L		07/15/16 14:44	07/26/16 16:13	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		07/15/16 14:44	07/26/16 16:13	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		07/15/16 14:44	07/26/16 16:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*50*		*34 - 120*	*07/15/16 14:44*	*07/26/16 16:13*	*1*
2-Fluorophenol	*38*		*10 - 120*	*07/15/16 14:44*	*07/26/16 16:13*	*1*
Nitrobenzene-d5	*56*		*27 - 120*	*07/15/16 14:44*	*07/26/16 16:13*	*1*
Phenol-d5	*51*		*10 - 120*	*07/15/16 14:44*	*07/26/16 16:13*	*1*
Terphenyl-d14	*64*		*53 - 125*	*07/15/16 14:44*	*07/26/16 16:13*	*1*
2,4,6-Tribromophenol	*51*		*15 - 135*	*07/15/16 14:44*	*07/26/16 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		0.031	0.0056	ug/L		07/16/16 11:05	07/17/16 02:57	1
1,2-Dibromoethane	ND		0.020	0.0051	ug/L		07/16/16 11:05	07/17/16 02:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*51 - 149*	*07/16/16 11:05*	*07/17/16 02:57*	*1*

Client Sample ID: P54-ROX-071216

Date Collected: 07/12/16 14:35
Date Received: 07/13/16 08:29

Lab Sample ID: 400-124401-8

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			07/20/16 15:29	1
Acrolein	ND		20	10	ug/L			07/20/16 15:29	1
Acrylonitrile	ND		10	2.8	ug/L			07/20/16 15:29	1
Benzene	ND		1.0	0.38	ug/L			07/20/16 15:29	1
Bromobenzene	ND		1.0	0.54	ug/L			07/20/16 15:29	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/20/16 15:29	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/20/16 15:29	1
Bromoform	ND		5.0	0.71	ug/L			07/20/16 15:29	1
Bromomethane	ND		1.0	0.98	ug/L			07/20/16 15:29	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/20/16 15:29	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/20/16 15:29	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			07/20/16 15:29	1
Chlorobenzene	ND		1.0	0.50	ug/L			07/20/16 15:29	1
Dibromochloromethane	ND		1.0	0.50	ug/L			07/20/16 15:29	1
Chloroethane	ND		1.0	0.76	ug/L			07/20/16 15:29	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/20/16 15:29	1
Chloroform	ND		1.0	0.60	ug/L			07/20/16 15:29	1
1-Chlorohexane	ND		1.0	0.70	ug/L			07/20/16 15:29	1
Chloromethane	ND		1.0	0.83	ug/L			07/20/16 15:29	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/20/16 15:29	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/20/16 15:29	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/20/16 15:29	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/20/16 15:29	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/20/16 15:29	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/20/16 15:29	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/20/16 15:29	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			07/20/16 15:29	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/20/16 15:29	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/20/16 15:29	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/20/16 15:29	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/20/16 15:29	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			07/20/16 15:29	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/20/16 15:29	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/20/16 15:29	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/20/16 15:29	1
2-Hexanone	ND		25	3.1	ug/L			07/20/16 15:29	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/20/16 15:29	1
Methylene bromide	ND		5.0	0.59	ug/L			07/20/16 15:29	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/20/16 15:29	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/20/16 15:29	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			07/20/16 15:29	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			07/20/16 15:29	1
Naphthalene	ND		1.0	1.0	ug/L			07/20/16 15:29	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/20/16 15:29	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/20/16 15:29	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/20/16 15:29	1
o-Xylene	ND		5.0	0.60	ug/L			07/20/16 15:29	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/20/16 15:29	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/20/16 15:29	1

Client Sample ID: P54-ROX-071216
Date Collected: 07/12/16 14:35
Date Received: 07/13/16 08:29

Lab Sample ID: 400-124401-8
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			07/20/16 15:29	1
Styrene	ND		1.0	1.0	ug/L			07/20/16 15:29	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/20/16 15:29	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			07/20/16 15:29	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/20/16 15:29	1
Tetrachloroethene	ND		1.0	0.58	ug/L			07/20/16 15:29	1
Toluene	ND		1.0	0.70	ug/L			07/20/16 15:29	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/20/16 15:29	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/20/16 15:29	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			07/20/16 15:29	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/20/16 15:29	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			07/20/16 15:29	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			07/20/16 15:29	1
Trichloroethene	ND		1.0	0.50	ug/L			07/20/16 15:29	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			07/20/16 15:29	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/20/16 15:29	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/20/16 15:29	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/20/16 15:29	1
Vinyl acetate	ND		25	2.0	ug/L			07/20/16 15:29	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/20/16 15:29	1
Xylenes, Total	ND		10	1.6	ug/L			07/20/16 15:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*78 - 118*		*07/20/16 15:29*	*1*
Dibromofluoromethane	*102*		*81 - 121*		*07/20/16 15:29*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*07/20/16 15:29*	*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		07/15/16 14:44	07/20/16 14:02	1
Acenaphthylene	ND		0.20	0.020	ug/L		07/15/16 14:44	07/20/16 14:02	1
Anthracene	ND		0.20	0.020	ug/L		07/15/16 14:44	07/20/16 14:02	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/15/16 14:44	07/20/16 14:02	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		07/15/16 14:44	07/20/16 14:02	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		07/15/16 14:44	07/20/16 14:02	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		07/15/16 14:44	07/20/16 14:02	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/15/16 14:44	07/20/16 14:02	1
Chrysene	ND		0.20	0.040	ug/L		07/15/16 14:44	07/20/16 14:02	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		07/15/16 14:44	07/20/16 14:02	1
Fluoranthene	ND		0.20	0.020	ug/L		07/15/16 14:44	07/20/16 14:02	1
Fluorene	ND		0.20	0.021	ug/L		07/15/16 14:44	07/20/16 14:02	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		07/15/16 14:44	07/20/16 14:02	1
Phenanthrene	ND		0.20	0.020	ug/L		07/15/16 14:44	07/20/16 14:02	1
Pyrene	ND		0.20	0.020	ug/L		07/15/16 14:44	07/20/16 14:02	1
1-Methylnaphthalene	**0.038**	**J**	0.20	0.020	ug/L		07/15/16 14:44	07/20/16 14:02	1
2-Methylnaphthalene	**0.049**	**J** J	0.20	0.020	ug/L		07/15/16 14:44	07/20/16 14:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*74*		*33 - 138*	*07/15/16 14:44*	*07/20/16 14:02*	*1*
2-Fluorobiphenyl	*67*		*15 - 122*	*07/15/16 14:44*	*07/20/16 14:02*	*1*

Client Sample ID: P54-ROX-071216

Date Collected: 07/12/16 14:35
Date Received: 07/13/16 08:29

Lab Sample ID: 400-124401-8

Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*61*		*19 - 130*	*07/15/16 14:44*	*07/20/16 14:02*	*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		07/15/16 14:44	07/26/16 17:00	1
Benzenethiol	ND	UJ	10	1.7	ug/L		07/15/16 14:44	07/26/16 17:00	1
Benzoic acid	ND		30	7.3	ug/L		07/15/16 14:44	07/26/16 17:00	1
Benzyl alcohol	ND		10	2.0	ug/L		07/15/16 14:44	07/26/16 17:00	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		07/15/16 14:44	07/26/16 17:00	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		07/15/16 14:44	07/26/16 17:00	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		07/15/16 14:44	07/26/16 17:00	1
Bis(2-ethylhexyl) phthalate	**2.4**	**J**	10	2.3	ug/L		07/15/16 14:44	07/26/16 17:00	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		07/15/16 14:44	07/26/16 17:00	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		07/15/16 14:44	07/26/16 17:00	1
4-Chloroaniline	ND		10	3.4	ug/L		07/15/16 14:44	07/26/16 17:00	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		07/15/16 14:44	07/26/16 17:00	1
2-Chloronaphthalene	ND		10	0.52	ug/L		07/15/16 14:44	07/26/16 17:00	1
2-Chlorophenol	ND		10	2.2	ug/L		07/15/16 14:44	07/26/16 17:00	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		07/15/16 14:44	07/26/16 17:00	1
Dibenz[a,h]acridine	ND	* UJ	10	3.0	ug/L		07/15/16 14:44	07/26/16 17:00	1
Dibenzofuran	ND		10	0.52	ug/L		07/15/16 14:44	07/26/16 17:00	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		07/15/16 14:44	07/26/16 17:00	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		07/15/16 14:44	07/26/16 17:00	1
Diethyl phthalate	ND		10	0.70	ug/L		07/15/16 14:44	07/26/16 17:00	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		07/15/16 14:44	07/26/16 17:00	1
Dimethyl phthalate	ND		10	0.60	ug/L		07/15/16 14:44	07/26/16 17:00	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		07/15/16 14:44	07/26/16 17:00	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/15/16 14:44	07/26/16 17:00	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		07/15/16 14:44	07/26/16 17:00	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		07/15/16 14:44	07/26/16 17:00	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		07/15/16 14:44	07/26/16 17:00	1
Di-n-octyl phthalate	**0.83**	**J** J	10	0.44	ug/L		07/15/16 14:44	07/26/16 17:00	1
1,4-Dioxane	ND		10	1.0	ug/L		07/15/16 14:44	07/26/16 17:00	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		07/15/16 14:44	07/26/16 17:00	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/15/16 14:44	07/26/16 17:00	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		07/15/16 14:44	07/26/16 17:00	1
Hexachloroethane	ND		10	4.2	ug/L		07/15/16 14:44	07/26/16 17:00	1
Indene	ND		10	1.0	ug/L		07/15/16 14:44	07/26/16 17:00	1
Isophorone	ND		10	0.57	ug/L		07/15/16 14:44	07/26/16 17:00	1
2-Methylphenol	ND		10	1.8	ug/L		07/15/16 14:44	07/26/16 17:00	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		07/15/16 14:44	07/26/16 17:00	1
2-Nitroaniline	ND		10	2.2	ug/L		07/15/16 14:44	07/26/16 17:00	1
3-Nitroaniline	ND		10	1.8	ug/L		07/15/16 14:44	07/26/16 17:00	1
4-Nitroaniline	ND		10	2.5	ug/L		07/15/16 14:44	07/26/16 17:00	1
Nitrobenzene	ND		10	0.55	ug/L		07/15/16 14:44	07/26/16 17:00	1
2-Nitrophenol	ND		10	0.65	ug/L		07/15/16 14:44	07/26/16 17:00	1
4-Nitrophenol	ND		10	2.1	ug/L		07/15/16 14:44	07/26/16 17:00	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		07/15/16 14:44	07/26/16 17:00	1

Client Sample ID: P54-ROX-071216

Date Collected: 07/12/16 14:35
Date Received: 07/13/16 08:29

Lab Sample ID: 400-124401-8

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		07/15/16 14:44	07/26/16 17:00	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		07/15/16 14:44	07/26/16 17:00	1
Pentachlorophenol	ND		20	1.8	ug/L		07/15/16 14:44	07/26/16 17:00	1
Phenol	ND		10	2.6	ug/L		07/15/16 14:44	07/26/16 17:00	1
Pyridine	ND	* UJ	10	3.2	ug/L		07/15/16 14:44	07/26/16 17:00	1
Quinoline	ND		10	6.0	ug/L		07/15/16 14:44	07/26/16 17:00	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		07/15/16 14:44	07/26/16 17:00	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		07/15/16 14:44	07/26/16 17:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*59*		*34 - 120*	*07/15/16 14:44*	*07/26/16 17:00*	*1*
2-Fluorophenol	*50*		*10 - 120*	*07/15/16 14:44*	*07/26/16 17:00*	*1*
Nitrobenzene-d5	*63*		*27 - 120*	*07/15/16 14:44*	*07/26/16 17:00*	*1*
Phenol-d5	*59*		*10 - 120*	*07/15/16 14:44*	*07/26/16 17:00*	*1*
Terphenyl-d14	*52*	X	*53 - 125*	*07/15/16 14:44*	*07/26/16 17:00*	*1*
2,4,6-Tribromophenol	*52*		*15 - 135*	*07/15/16 14:44*	*07/26/16 17:00*	*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		07/16/16 11:05	07/17/16 03:27	1
1,2-Dibromoethane	ND		0.021	0.0052	ug/L		07/16/16 11:05	07/17/16 03:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*51 - 149*	*07/16/16 11:05*	*07/17/16 03:27*	*1*

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
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.
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
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 - 3Q16

TestAmerica Job ID: 400-124401-1
SDG: 60477387 - 1.03.003/1.03.0033

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)
400-124401-2	TB-ROX-071216W-8260	99	101	97
400-124401-3	MW26-ROX-071216	99	102	98
400-124401-3 MS	MW26-ROX-071216	99	105	98
400-124401-3 MSD	MW26-ROX-071216	99	104	98
400-124401-4	MW12-ROX-071216	100	101	98
400-124401-5	MW16-ROX-071216	100	102	98
400-124401-6	MW24-ROX-071216-EB	100	102	99
400-124401-7	MW24-ROX-071216	100	102	99
400-124401-8	P54-ROX-071216	100	102	98
LCS 400-314949/1002	Lab Control Sample	99	106	97
MB 400-314949/4	Method Blank	99	102	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)
400-124395-A-4-A MS	Matrix Spike	64	59	60	63	65	95
400-124395-A-4-B MSD	Matrix Spike Duplicate	59	53	56	56	56	84
400-124401-3	MW26-ROX-071216	51	33	55	38	36 X	42
400-124401-4	MW12-ROX-071216	46	30	51	40	38 X	41
400-124401-5	MW16-ROX-071216	53	21	56	48	63	49
400-124401-6	MW24-ROX-071216-EB	55	28	61	52	75	58
400-124401-7	MW24-ROX-071216	50	38	56	51	64	51
400-124401-8	P54-ROX-071216	59	50	63	59	52 X	52
LCS 400-314434/2-A	Lab Control Sample	59	59	71	66	75	91
LCS 400-314434/4-A	Lab Control Sample	57	49	56	53	70	79
LCSD 400-314434/3-A	Lab Control Sample Dup	69	66	65	70	78	99
LCSD 400-314434/5-A	Lab Control Sample Dup	72	53	58	57	73	83
MB 400-314434/1-A	Method Blank	61	52	61	57	70	71

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 - 3Q16

TestAmerica Job ID: 400-124401-1
SDG: 60477387 - 1.03.003/1.03.0033

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)
400-124395-A-4-A MS	Matrix Spike	57	61	59
400-124395-A-4-B MSD	Matrix Spike Duplicate	54	61	60
400-124401-3	MW26-ROX-071216	41	54	49
400-124401-4	MW12-ROX-071216	43	51	49
400-124401-5	MW16-ROX-071216	83	56	56
400-124401-6	MW24-ROX-071216-EB	90	57	55
400-124401-7	MW24-ROX-071216	108	67	70
400-124401-8	P54-ROX-071216	74	67	61
LCS 400-314434/2-A	Lab Control Sample	81	75	63
LCSD 400-314434/3-A	Lab Control Sample Dup	83	80	66
MB 400-314434/1-A	Method Blank	104	65	67

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)
400-124217-C-3-B MS	Matrix Spike	91
400-124217-C-3-C MSD	Matrix Spike Duplicate	90
400-124401-1	TB-ROX-071216W-8011	88
400-124401-3	MW26-ROX-071216	72
400-124401-4	MW12-ROX-071216	108
400-124401-5	MW16-ROX-071216	97
400-124401-6	MW24-ROX-071216-EB	87
400-124401-7	MW24-ROX-071216	96
400-124401-8	P54-ROX-071216	90
LCS 400-314555/2-A	Lab Control Sample	107
MB 400-314555/1-A	Method Blank	88

Surrogate Legend

BFB = 4-Bromofluorobenzene

Method Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 3Q16

TestAmerica Job ID: 400-124401-1
SDG: 60477387 - 1.03.003/1.03.0033

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: TB-ROX-071216W-8011

Lab Sample ID: 400-124401-1

Date Collected: 07/12/16 00:00
Date Received: 07/13/16 08:29

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			30.2 mL	35 mL	314555	07/16/16 11:05	AM	TAL PEN
Total/NA	Analysis	8011		1			314609	07/16/16 23:59	AM	TAL PEN

Client Sample ID: TB-ROX-071216W-8260

Lab Sample ID: 400-124401-2

Date Collected: 07/12/16 00:00
Date Received: 07/13/16 08:29

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	314949	07/20/16 12:45	CS	TAL PEN

Client Sample ID: MW26-ROX-071216

Lab Sample ID: 400-124401-3

Date Collected: 07/12/16 09:10
Date Received: 07/13/16 08:29

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	314949	07/20/16 13:13	CS	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314434	07/15/16 14:44	RMC	TAL PEN
Total/NA	Analysis	8270D		1			315168	07/21/16 19:39	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314434	07/15/16 14:44	RMC	TAL PEN
Total/NA	Analysis	8270D LL		1			314990	07/20/16 12:20	VC1	TAL PEN
Total/NA	Prep	8011			32.9 mL	35 mL	314555	07/16/16 11:05	AM	TAL PEN
Total/NA	Analysis	8011		1			314609	07/17/16 00:29	AM	TAL PEN

Client Sample ID: MW12-ROX-071216

Lab Sample ID: 400-124401-4

Date Collected: 07/12/16 10:15
Date Received: 07/13/16 08:29

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	314949	07/20/16 13:40	CS	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314434	07/15/16 14:44	RMC	TAL PEN
Total/NA	Analysis	8270D		1			315168	07/21/16 20:09	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314434	07/15/16 14:44	RMC	TAL PEN
Total/NA	Analysis	8270D LL		1			314990	07/20/16 12:45	VC1	TAL PEN
Total/NA	Prep	8011			35.7 mL	35 mL	314555	07/16/16 11:05	AM	TAL PEN
Total/NA	Analysis	8011		1			314609	07/17/16 00:58	AM	TAL PEN

Client Sample ID: MW16-ROX-071216

Lab Sample ID: 400-124401-5

Date Collected: 07/12/16 11:15
Date Received: 07/13/16 08:29

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	314949	07/20/16 14:07	CS	TAL PEN

Lab Chronicle

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 3Q16

TestAmerica Job ID: 400-124401-1
SDG: 60477387 - 1.03.003/1.03.0033

Client Sample ID: MW16-ROX-071216

Date Collected: 07/12/16 11:15
Date Received: 07/13/16 08:29

Lab Sample ID: 400-124401-5
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	314434	07/15/16 14:44	RMC	TAL PEN
Total/NA	Analysis	8270D		1			315168	07/21/16 20:40	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314434	07/15/16 14:44	RMC	TAL PEN
Total/NA	Analysis	8270D LL		1			314990	07/20/16 13:11	VC1	TAL PEN
Total/NA	Prep	8011			35.9 mL	35 mL	314555	07/16/16 11:05	AM	TAL PEN
Total/NA	Analysis	8011		1			314609	07/17/16 01:58	AM	TAL PEN

Client Sample ID: MW24-ROX-071216-EB

Date Collected: 07/12/16 12:40
Date Received: 07/13/16 08:29

Lab Sample ID: 400-124401-6
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	314949	07/20/16 14:35	CS	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314434	07/15/16 14:44	RMC	TAL PEN
Total/NA	Analysis	8270D		1			315168	07/21/16 21:10	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314434	07/15/16 14:44	RMC	TAL PEN
Total/NA	Analysis	8270D LL		1			314990	07/20/16 13:37	VC1	TAL PEN
Total/NA	Prep	8011			34.9 mL	35 mL	314555	07/16/16 11:05	AM	TAL PEN
Total/NA	Analysis	8011		1			314609	07/17/16 02:28	AM	TAL PEN

Client Sample ID: MW24-ROX-071216

Date Collected: 07/12/16 13:45
Date Received: 07/13/16 08:29

Lab Sample ID: 400-124401-7
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	314949	07/20/16 15:02	CS	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314434	07/15/16 14:44	RMC	TAL PEN
Total/NA	Analysis	8270D		1			315708	07/26/16 16:13	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314434	07/15/16 14:44	RMC	TAL PEN
Total/NA	Analysis	8270D LL		1			314962	07/20/16 11:08	VC1	TAL PEN
Total/NA	Prep	8011			34.2 mL	35 mL	314555	07/16/16 11:05	AM	TAL PEN
Total/NA	Analysis	8011		1			314609	07/17/16 02:57	AM	TAL PEN

Client Sample ID: P54-ROX-071216

Date Collected: 07/12/16 14:35
Date Received: 07/13/16 08:29

Lab Sample ID: 400-124401-8
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	314949	07/20/16 15:29	CS	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314434	07/15/16 14:44	RMC	TAL PEN
Total/NA	Analysis	8270D		1			315708	07/26/16 17:00	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314434	07/15/16 14:44	RMC	TAL PEN
Total/NA	Analysis	8270D LL		1			314990	07/20/16 14:02	VC1	TAL PEN

Client Sample ID: P54-ROX-071216

Lab Sample ID: 400-124401-8

Date Collected: 07/12/16 14:35
Date Received: 07/13/16 08:29

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			33.7 mL	35 mL	314555	07/16/16 11:05	AM	TAL PEN
Total/NA	Analysis	8011		1			314609	07/17/16 03:27	AM	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-314434/1-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	314434	07/15/16 09:43	RMC	TAL PEN
Total/NA	Analysis	8270D		1			314976	07/20/16 13:58	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314434	07/15/16 09:43	RMC	TAL PEN
Total/NA	Analysis	8270D LL		1			314990	07/20/16 05:56	VC1	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-314555/1-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	314555	07/16/16 11:05	AM	TAL PEN
Total/NA	Analysis	8011		1			314609	07/16/16 20:31	AM	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-314949/4

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	314949	07/20/16 09:54	CS	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-314434/2-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	314434	07/15/16 09:43	RMC	TAL PEN
Total/NA	Analysis	8270D		1			314976	07/20/16 14:31	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314434	07/15/16 09:43	RMC	TAL PEN
Total/NA	Analysis	8270D LL		5			314990	07/20/16 06:22	VC1	TAL PEN

Client Sample ID: Lab Control Sample

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

Lab Sample ID: LCS 400-314434/4-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	314434	07/15/16 09:43	RMC	TAL PEN
Total/NA	Analysis	8270D		1			314976	07/20/16 15:38	MAM	TAL PEN

Client Sample ID: Lab Control Sample

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

Lab Sample ID: LCS 400-314555/2-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	314555	07/16/16 11:05	AM	TAL PEN
Total/NA	Analysis	8011		1			314609	07/16/16 21:01	AM	TAL PEN

Client Sample ID: Lab Control Sample

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

Lab Sample ID: LCS 400-314949/1002
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	314949	07/20/16 08:50	CS	TAL PEN

Client Sample ID: Lab Control Sample Dup

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

Lab Sample ID: LCSD 400-314434/3-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	314434	07/15/16 09:43	RMC	TAL PEN
Total/NA	Analysis	8270D		1			314976	07/20/16 15:05	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314434	07/15/16 09:43	RMC	TAL PEN
Total/NA	Analysis	8270D LL		5			314990	07/20/16 06:47	VC1	TAL PEN

Client Sample ID: Lab Control Sample Dup

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

Lab Sample ID: LCSD 400-314434/5-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	314434	07/15/16 09:43	RMC	TAL PEN
Total/NA	Analysis	8270D		1			314976	07/20/16 16:12	MAM	TAL PEN

Client Sample ID: Matrix Spike

Date Collected: 07/08/16 10:45
Date Received: 07/09/16 09:13

Lab Sample ID: 400-124217-C-3-B 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	Prep	8011			33.5 mL	35 mL	314555	07/16/16 11:05	AM	TAL PEN
Total/NA	Analysis	8011		1			314609	07/17/16 07:54	AM	TAL PEN

Client Sample ID: Matrix Spike Duplicate

Lab Sample ID: 400-124217-C-3-C MSD

Date Collected: 07/08/16 10:45
Date Received: 07/09/16 09:13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			34.4 mL	35 mL	314555	07/16/16 11:05	AM	TAL PEN
Total/NA	Analysis	8011		1			314609	07/17/16 08:24	AM	TAL PEN

Client Sample ID: Matrix Spike

Lab Sample ID: 400-124395-A-4-A MS

Date Collected: 07/12/16 10:00
Date Received: 07/13/16 08:29

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	314434	07/15/16 09:43	RMC	TAL PEN
Total/NA	Analysis	8270D		1			314976	07/20/16 16:45	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314434	07/15/16 09:43	RMC	TAL PEN
Total/NA	Analysis	8270D LL		5			314990	07/20/16 07:12	VC1	TAL PEN

Client Sample ID: Matrix Spike Duplicate

Lab Sample ID: 400-124395-A-4-B MSD

Date Collected: 07/12/16 10:00
Date Received: 07/13/16 08:29

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	314434	07/15/16 09:43	RMC	TAL PEN
Total/NA	Analysis	8270D		1			314976	07/20/16 17:19	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314434	07/15/16 09:43	RMC	TAL PEN
Total/NA	Analysis	8270D LL		5			314990	07/20/16 07:38	VC1	TAL PEN

Client Sample ID: MW26-ROX-071216

Lab Sample ID: 400-124401-3 MS

Date Collected: 07/12/16 09:10
Date Received: 07/13/16 08:29

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	314949	07/20/16 11:23	CS	TAL PEN

Client Sample ID: MW26-ROX-071216

Lab Sample ID: 400-124401-3 MSD

Date Collected: 07/12/16 09:10
Date Received: 07/13/16 08:29

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	314949	07/20/16 11:51	CS	TAL PEN

Laboratory References:

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

GC/MS VOA

Analysis Batch: 314949

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124401-2	TB-ROX-071216W-8260	Total/NA	Water	8260B	
400-124401-3	MW26-ROX-071216	Total/NA	Water	8260B	
400-124401-4	MW12-ROX-071216	Total/NA	Water	8260B	
400-124401-5	MW16-ROX-071216	Total/NA	Water	8260B	
400-124401-6	MW24-ROX-071216-EB	Total/NA	Water	8260B	
400-124401-7	MW24-ROX-071216	Total/NA	Water	8260B	
400-124401-8	P54-ROX-071216	Total/NA	Water	8260B	
MB 400-314949/4	Method Blank	Total/NA	Water	8260B	
LCS 400-314949/1002	Lab Control Sample	Total/NA	Water	8260B	
400-124401-3 MS	MW26-ROX-071216	Total/NA	Water	8260B	
400-124401-3 MSD	MW26-ROX-071216	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 314434

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124401-3	MW26-ROX-071216	Total/NA	Water	3520C	
400-124401-4	MW12-ROX-071216	Total/NA	Water	3520C	
400-124401-5	MW16-ROX-071216	Total/NA	Water	3520C	
400-124401-6	MW24-ROX-071216-EB	Total/NA	Water	3520C	
400-124401-7	MW24-ROX-071216	Total/NA	Water	3520C	
400-124401-8	P54-ROX-071216	Total/NA	Water	3520C	
MB 400-314434/1-A	Method Blank	Total/NA	Water	3520C	
LCS 400-314434/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCS 400-314434/4-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 400-314434/3-A	Lab Control Sample Dup	Total/NA	Water	3520C	
LCSD 400-314434/5-A	Lab Control Sample Dup	Total/NA	Water	3520C	
400-124395-A-4-A MS	Matrix Spike	Total/NA	Water	3520C	
400-124395-A-4-B MSD	Matrix Spike Duplicate	Total/NA	Water	3520C	

Analysis Batch: 314962

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124401-7	MW24-ROX-071216	Total/NA	Water	8270D LL	314434

Analysis Batch: 314976

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-314434/1-A	Method Blank	Total/NA	Water	8270D	314434
LCS 400-314434/2-A	Lab Control Sample	Total/NA	Water	8270D	314434
LCS 400-314434/4-A	Lab Control Sample	Total/NA	Water	8270D	314434
LCSD 400-314434/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	314434
LCSD 400-314434/5-A	Lab Control Sample Dup	Total/NA	Water	8270D	314434
400-124395-A-4-A MS	Matrix Spike	Total/NA	Water	8270D	314434
400-124395-A-4-B MSD	Matrix Spike Duplicate	Total/NA	Water	8270D	314434

Analysis Batch: 314990

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124401-3	MW26-ROX-071216	Total/NA	Water	8270D LL	314434
400-124401-4	MW12-ROX-071216	Total/NA	Water	8270D LL	314434
400-124401-5	MW16-ROX-071216	Total/NA	Water	8270D LL	314434
400-124401-6	MW24-ROX-071216-EB	Total/NA	Water	8270D LL	314434

GC/MS Semi VOA (Continued)

Analysis Batch: 314990 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124401-8	P54-ROX-071216	Total/NA	Water	8270D LL	314434
MB 400-314434/1-A	Method Blank	Total/NA	Water	8270D LL	314434
LCS 400-314434/2-A	Lab Control Sample	Total/NA	Water	8270D LL	314434
LCSD 400-314434/3-A	Lab Control Sample Dup	Total/NA	Water	8270D LL	314434
400-124395-A-4-A MS	Matrix Spike	Total/NA	Water	8270D LL	314434
400-124395-A-4-B MSD	Matrix Spike Duplicate	Total/NA	Water	8270D LL	314434

Analysis Batch: 315168

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124401-3	MW26-ROX-071216	Total/NA	Water	8270D	314434
400-124401-4	MW12-ROX-071216	Total/NA	Water	8270D	314434
400-124401-5	MW16-ROX-071216	Total/NA	Water	8270D	314434
400-124401-6	MW24-ROX-071216-EB	Total/NA	Water	8270D	314434

Analysis Batch: 315708

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124401-7	MW24-ROX-071216	Total/NA	Water	8270D	314434
400-124401-8	P54-ROX-071216	Total/NA	Water	8270D	314434

GC Semi VOA

Prep Batch: 314555

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124401-1	TB-ROX-071216W-8011	Total/NA	Water	8011	
400-124401-3	MW26-ROX-071216	Total/NA	Water	8011	
400-124401-4	MW12-ROX-071216	Total/NA	Water	8011	
400-124401-5	MW16-ROX-071216	Total/NA	Water	8011	
400-124401-6	MW24-ROX-071216-EB	Total/NA	Water	8011	
400-124401-7	MW24-ROX-071216	Total/NA	Water	8011	
400-124401-8	P54-ROX-071216	Total/NA	Water	8011	
MB 400-314555/1-A	Method Blank	Total/NA	Water	8011	
LCS 400-314555/2-A	Lab Control Sample	Total/NA	Water	8011	
400-124217-C-3-B MS	Matrix Spike	Total/NA	Water	8011	
400-124217-C-3-C MSD	Matrix Spike Duplicate	Total/NA	Water	8011	

Analysis Batch: 314609

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124401-1	TB-ROX-071216W-8011	Total/NA	Water	8011	314555
400-124401-3	MW26-ROX-071216	Total/NA	Water	8011	314555
400-124401-4	MW12-ROX-071216	Total/NA	Water	8011	314555
400-124401-5	MW16-ROX-071216	Total/NA	Water	8011	314555
400-124401-6	MW24-ROX-071216-EB	Total/NA	Water	8011	314555
400-124401-7	MW24-ROX-071216	Total/NA	Water	8011	314555
400-124401-8	P54-ROX-071216	Total/NA	Water	8011	314555
MB 400-314555/1-A	Method Blank	Total/NA	Water	8011	314555
LCS 400-314555/2-A	Lab Control Sample	Total/NA	Water	8011	314555
400-124217-C-3-B MS	Matrix Spike	Total/NA	Water	8011	314555
400-124217-C-3-C MSD	Matrix Spike Duplicate	Total/NA	Water	8011	314555

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

Lab Sample ID: MB 400-314949/4
Matrix: Water
Analysis Batch: 314949

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			07/20/16 09:54	1
Acrolein	ND		20	10	ug/L			07/20/16 09:54	1
Acrylonitrile	ND		10	2.8	ug/L			07/20/16 09:54	1
Benzene	ND		1.0	0.38	ug/L			07/20/16 09:54	1
Bromobenzene	ND		1.0	0.54	ug/L			07/20/16 09:54	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/20/16 09:54	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/20/16 09:54	1
Bromoform	ND		5.0	0.71	ug/L			07/20/16 09:54	1
Bromomethane	ND		1.0	0.98	ug/L			07/20/16 09:54	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/20/16 09:54	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/20/16 09:54	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			07/20/16 09:54	1
Chlorobenzene	ND		1.0	0.50	ug/L			07/20/16 09:54	1
Dibromochloromethane	ND		1.0	0.50	ug/L			07/20/16 09:54	1
Chloroethane	ND		1.0	0.76	ug/L			07/20/16 09:54	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/20/16 09:54	1
Chloroform	ND		1.0	0.60	ug/L			07/20/16 09:54	1
1-Chlorohexane	ND		1.0	0.70	ug/L			07/20/16 09:54	1
Chloromethane	ND		1.0	0.83	ug/L			07/20/16 09:54	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/20/16 09:54	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/20/16 09:54	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/20/16 09:54	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/20/16 09:54	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/20/16 09:54	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/20/16 09:54	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/20/16 09:54	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			07/20/16 09:54	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/20/16 09:54	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/20/16 09:54	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/20/16 09:54	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/20/16 09:54	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			07/20/16 09:54	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/20/16 09:54	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/20/16 09:54	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/20/16 09:54	1
2-Hexanone	ND		25	3.1	ug/L			07/20/16 09:54	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/20/16 09:54	1
Methylene bromide	ND		5.0	0.59	ug/L			07/20/16 09:54	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/20/16 09:54	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/20/16 09:54	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			07/20/16 09:54	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			07/20/16 09:54	1
Naphthalene	ND		1.0	1.0	ug/L			07/20/16 09:54	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/20/16 09:54	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/20/16 09:54	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/20/16 09:54	1
o-Xylene	ND		5.0	0.60	ug/L			07/20/16 09:54	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/20/16 09:54	1

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

Lab Sample ID: MB 400-314949/4
Matrix: Water
Analysis Batch: 314949

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			07/20/16 09:54	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/20/16 09:54	1
Styrene	ND		1.0	1.0	ug/L			07/20/16 09:54	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/20/16 09:54	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			07/20/16 09:54	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/20/16 09:54	1
Tetrachloroethene	ND		1.0	0.58	ug/L			07/20/16 09:54	1
Toluene	ND		1.0	0.70	ug/L			07/20/16 09:54	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/20/16 09:54	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/20/16 09:54	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			07/20/16 09:54	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/20/16 09:54	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			07/20/16 09:54	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			07/20/16 09:54	1
Trichloroethene	ND		1.0	0.50	ug/L			07/20/16 09:54	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			07/20/16 09:54	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/20/16 09:54	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/20/16 09:54	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/20/16 09:54	1
Vinyl acetate	ND		25	2.0	ug/L			07/20/16 09:54	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/20/16 09:54	1
Xylenes, Total	ND		10	1.6	ug/L			07/20/16 09:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*78 - 118*		*07/20/16 09:54*	*1*
Dibromofluoromethane	*102*		*81 - 121*		*07/20/16 09:54*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*07/20/16 09:54*	*1*

Lab Sample ID: LCS 400-314949/1002
Matrix: Water
Analysis Batch: 314949

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	200	215		ug/L		107	43 - 160
Acrolein	500	493		ug/L		99	38 - 160
Acrylonitrile	500	544		ug/L		109	64 - 142
Benzene	50.0	53.5		ug/L		107	70 - 130
Bromobenzene	50.0	53.0		ug/L		106	70 - 132
Bromochloromethane	50.0	55.3		ug/L		111	70 - 130
Bromodichloromethane	50.0	53.3		ug/L		107	67 - 133
Bromoform	50.0	49.7		ug/L		99	57 - 140
Bromomethane	50.0	62.6		ug/L		125	10 - 160
2-Butanone (MEK)	200	221		ug/L		111	61 - 145
Carbon disulfide	50.0	56.7		ug/L		113	61 - 137
Carbon tetrachloride	50.0	53.7		ug/L		107	61 - 137
Chlorobenzene	50.0	52.0		ug/L		104	70 - 130
Dibromochloromethane	50.0	53.1		ug/L		106	67 - 135
Chloroethane	50.0	44.6		ug/L		89	55 - 141

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

Lab Sample ID: LCS 400-314949/1002
Matrix: Water
Analysis Batch: 314949

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	62.6		ug/L		125	10 - 160
Chloroform	50.0	53.8		ug/L		108	69 - 130
1-Chlorohexane	50.0	50.8		ug/L		102	69 - 130
Chloromethane	50.0	38.0		ug/L		76	58 - 137
cis-1,2-Dichloroethene	50.0	54.4		ug/L		109	68 - 130
cis-1,3-Dichloropropene	50.0	53.3		ug/L		107	69 - 132
1,2-Dichlorobenzene	50.0	51.5		ug/L		103	67 - 130
1,3-Dichlorobenzene	50.0	52.5		ug/L		105	70 - 130
1,4-Dichlorobenzene	50.0	52.4		ug/L		105	70 - 130
Dichlorodifluoromethane	50.0	45.6		ug/L		91	41 - 146
1,1-Dichloroethane	50.0	54.3		ug/L		109	70 - 130
1,2-Dichloroethane	50.0	53.1		ug/L		106	69 - 130
1,1-Dichloroethene	50.0	58.4		ug/L		117	63 - 134
1,2-Dichloropropane	50.0	52.5		ug/L		105	70 - 130
1,3-Dichloropropane	50.0	52.7		ug/L		105	70 - 130
2,2-Dichloropropane	50.0	55.5		ug/L		111	52 - 135
1,1-Dichloropropene	50.0	54.1		ug/L		108	70 - 130
Ethylbenzene	50.0	52.1		ug/L		104	70 - 130
Ethyl methacrylate	50.0	51.8		ug/L		104	68 - 130
Hexachlorobutadiene	50.0	53.8		ug/L		108	53 - 140
2-Hexanone	200	209		ug/L		104	65 - 137
Isopropylbenzene	50.0	52.2		ug/L		104	70 - 130
Methylene bromide	50.0	55.4		ug/L		111	70 - 130
Methylene Chloride	50.0	51.7		ug/L		103	66 - 135
4-Methyl-2-pentanone (MIBK)	200	212		ug/L		106	69 - 138
Methyl tert-butyl ether	50.0	53.7		ug/L		107	66 - 130
m-Xylene & p-Xylene	50.0	51.5		ug/L		103	70 - 130
Naphthalene	50.0	50.5		ug/L		101	47 - 149
n-Butylbenzene	50.0	53.1		ug/L		106	67 - 130
N-Propylbenzene	50.0	53.6		ug/L		107	70 - 130
o-Chlorotoluene	50.0	52.1		ug/L		104	70 - 130
o-Xylene	50.0	51.7		ug/L		103	70 - 130
p-Chlorotoluene	50.0	52.0		ug/L		104	70 - 130
p-Isopropyltoluene	50.0	54.2		ug/L		108	65 - 130
sec-Butylbenzene	50.0	53.3		ug/L		107	66 - 130
Styrene	50.0	51.7		ug/L		103	70 - 130
tert-Butylbenzene	50.0	52.8		ug/L		106	64 - 139
1,1,1,2-Tetrachloroethane	50.0	52.4		ug/L		105	67 - 131
1,1,2,2-Tetrachloroethane	50.0	51.4		ug/L		103	70 - 131
Tetrachloroethene	50.0	52.5		ug/L		105	65 - 130
Toluene	50.0	50.7		ug/L		101	70 - 130
trans-1,2-Dichloroethene	50.0	56.1		ug/L		112	70 - 130
trans-1,3-Dichloropropene	50.0	52.5		ug/L		105	63 - 130
1,2,3-Trichlorobenzene	50.0	52.4		ug/L		105	60 - 138
1,2,4-Trichlorobenzene	50.0	52.6		ug/L		105	60 - 140
1,1,1-Trichloroethane	50.0	53.5		ug/L		107	68 - 130
1,1,2-Trichloroethane	50.0	52.7		ug/L		105	70 - 130
Trichloroethene	50.0	54.3		ug/L		109	70 - 130

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

Lab Sample ID: LCS 400-314949/1002
Matrix: Water
Analysis Batch: 314949

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	40.1		ug/L		80	65 - 138
1,2,3-Trichloropropane	50.0	52.1		ug/L		104	70 - 130
1,2,4-Trimethylbenzene	50.0	53.0		ug/L		106	70 - 130
1,3,5-Trimethylbenzene	50.0	52.9		ug/L		106	69 - 130
Vinyl acetate	100	103		ug/L		103	26 - 160
Vinyl chloride	50.0	46.6		ug/L		93	59 - 136
Xylenes, Total	100	103		ug/L		103	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*99*		*78 - 118*
Dibromofluoromethane	*106*		*81 - 121*
Toluene-d8 (Surr)	*97*		*80 - 120*

Lab Sample ID: 400-124401-3 MS
Matrix: Water
Analysis Batch: 314949

Client Sample ID: MW26-ROX-071216
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		200	197		ug/L		98	43 - 160
Acrolein	ND		500	434		ug/L		87	38 - 160
Acrylonitrile	ND		500	561		ug/L		112	62 - 149
Benzene	ND		50.0	53.9		ug/L		108	56 - 142
Bromobenzene	ND		50.0	53.4		ug/L		107	59 - 136
Bromochloromethane	ND		50.0	57.2		ug/L		114	64 - 140
Bromodichloromethane	ND		50.0	53.2		ug/L		106	59 - 143
Bromoform	ND		50.0	49.9		ug/L		100	50 - 140
Bromomethane	ND	F1	50.0	65.1		ug/L		130	10 - 160
2-Butanone (MEK)	ND		200	222		ug/L		111	55 - 150
Carbon disulfide	ND		50.0	57.9		ug/L		116	48 - 152
Carbon tetrachloride	ND		50.0	54.7		ug/L		109	55 - 145
Chlorobenzene	ND		50.0	52.4		ug/L		105	64 - 130
Dibromochloromethane	ND		50.0	53.2		ug/L		106	56 - 143
Chloroethane	ND		50.0	44.7		ug/L		89	50 - 151
2-Chloroethyl vinyl ether	ND	F1	50.0	27.9		ug/L		56	10 - 160
Chloroform	ND		50.0	54.3		ug/L		109	60 - 141
1-Chlorohexane	ND		50.0	51.1		ug/L		102	56 - 136
Chloromethane	ND		50.0	39.0		ug/L		78	49 - 148
cis-1,2-Dichloroethene	ND		50.0	55.2		ug/L		110	59 - 143
cis-1,3-Dichloropropene	ND		50.0	53.6		ug/L		107	57 - 140
1,2-Dichlorobenzene	ND		50.0	52.0		ug/L		104	52 - 137
1,3-Dichlorobenzene	ND		50.0	53.0		ug/L		106	54 - 135
1,4-Dichlorobenzene	ND		50.0	53.0		ug/L		106	53 - 135
Dichlorodifluoromethane	ND		50.0	47.4		ug/L		95	16 - 160
1,1-Dichloroethane	ND		50.0	55.5		ug/L		111	61 - 144
1,2-Dichloroethane	ND		50.0	53.8		ug/L		108	60 - 141
1,1-Dichloroethene	ND		50.0	59.5		ug/L		119	54 - 147
1,2-Dichloropropane	ND		50.0	53.1		ug/L		106	66 - 137
1,3-Dichloropropane	ND		50.0	53.5		ug/L		107	66 - 133

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

Lab Sample ID: 400-124401-3 MS
Matrix: Water
Analysis Batch: 314949

Client Sample ID: MW26-ROX-071216
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	56.6		ug/L		113	42 - 144
1,1-Dichloropropene	ND		50.0	54.5		ug/L		109	65 - 136
Ethylbenzene	ND		50.0	52.3		ug/L		105	58 - 131
Ethyl methacrylate	ND		50.0	52.5		ug/L		105	64 - 130
Hexachlorobutadiene	ND		50.0	53.5		ug/L		107	31 - 149
2-Hexanone	ND		200	213		ug/L		107	65 - 140
Isopropylbenzene	ND		50.0	52.5		ug/L		105	56 - 133
Methylene bromide	ND		50.0	56.5		ug/L		113	63 - 138
Methylene Chloride	ND		50.0	52.0		ug/L		104	60 - 146
4-Methyl-2-pentanone (MIBK)	ND		200	216		ug/L		108	63 - 146
Methyl tert-butyl ether	ND		50.0	55.1		ug/L		110	59 - 137
m-Xylene & p-Xylene	ND		50.0	51.8		ug/L		104	57 - 130
Naphthalene	ND		50.0	51.1		ug/L		102	25 - 160
n-Butylbenzene	ND		50.0	53.6		ug/L		107	41 - 142
N-Propylbenzene	ND		50.0	53.7		ug/L		107	51 - 138
o-Chlorotoluene	ND		50.0	52.6		ug/L		105	53 - 134
o-Xylene	ND		50.0	51.5		ug/L		103	61 - 130
p-Chlorotoluene	ND		50.0	52.9		ug/L		106	54 - 133
p-Isopropyltoluene	ND		50.0	54.4		ug/L		109	48 - 139
sec-Butylbenzene	ND		50.0	53.7		ug/L		107	50 - 138
Styrene	ND		50.0	51.5		ug/L		103	58 - 131
tert-Butylbenzene	ND		50.0	53.1		ug/L		106	54 - 146
1,1,1,2-Tetrachloroethane	ND		50.0	52.6		ug/L		105	59 - 137
1,1,2,2-Tetrachloroethane	ND		50.0	52.4		ug/L		105	66 - 135
Tetrachloroethene	ND		50.0	52.3		ug/L		105	52 - 133
Toluene	ND		50.0	51.6		ug/L		103	65 - 130
trans-1,2-Dichloroethene	ND		50.0	56.3		ug/L		113	61 - 143
trans-1,3-Dichloropropene	ND		50.0	52.5		ug/L		105	53 - 133
1,2,3-Trichlorobenzene	ND		50.0	51.8		ug/L		104	43 - 145
1,2,4-Trichlorobenzene	ND		50.0	51.8		ug/L		104	39 - 148
1,1,1-Trichloroethane	ND		50.0	54.2		ug/L		108	57 - 142
1,1,2-Trichloroethane	ND		50.0	53.7		ug/L		107	66 - 131
Trichloroethene	ND		50.0	54.9		ug/L		110	64 - 136
Trichlorofluoromethane	ND		50.0	41.5		ug/L		83	54 - 156
1,2,3-Trichloropropane	ND		50.0	53.4		ug/L		107	65 - 133
1,2,4-Trimethylbenzene	ND		50.0	53.6		ug/L		107	50 - 139
1,3,5-Trimethylbenzene	ND		50.0	53.6		ug/L		107	52 - 135
Vinyl acetate	ND		100	108		ug/L		108	26 - 160
Vinyl chloride	ND		50.0	48.8		ug/L		98	46 - 152
Xylenes, Total	ND		100	103		ug/L		103	59 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*99*		*78 - 118*
Dibromofluoromethane	*105*		*81 - 121*
Toluene-d8 (Surr)	*98*		*80 - 120*

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

Lab Sample ID: 400-124401-3 MSD
Matrix: Water
Analysis Batch: 314949

Client Sample ID: MW26-ROX-071216
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	172		ug/L		86	43 - 160	13	30
Acrolein	ND		500	385		ug/L		77	38 - 160	12	31
Acrylonitrile	ND		500	508		ug/L		102	62 - 149	10	30
Benzene	ND		50.0	53.6		ug/L		107	56 - 142	1	30
Bromobenzene	ND		50.0	52.6		ug/L		105	59 - 136	2	30
Bromochloromethane	ND		50.0	55.6		ug/L		111	64 - 140	3	30
Bromodichloromethane	ND		50.0	52.6		ug/L		105	59 - 143	1	30
Bromoform	ND		50.0	47.0		ug/L		94	50 - 140	6	30
Bromomethane	ND	F1	50.0	83.3	F1	ug/L		167	10 - 160	25	50
2-Butanone (MEK)	ND		200	194		ug/L		97	55 - 150	14	30
Carbon disulfide	ND		50.0	56.6		ug/L		113	48 - 152	2	30
Carbon tetrachloride	ND		50.0	54.0		ug/L		108	55 - 145	1	30
Chlorobenzene	ND		50.0	52.1		ug/L		104	64 - 130	1	30
Dibromochloromethane	ND		50.0	51.6		ug/L		103	56 - 143	3	30
Chloroethane	ND		50.0	46.3		ug/L		93	50 - 151	4	30
2-Chloroethyl vinyl ether	ND	F1	50.0	ND	F1	ug/L		0	10 - 160	NC	50
Chloroform	ND		50.0	53.6		ug/L		107	60 - 141	1	30
1-Chlorohexane	ND		50.0	51.0		ug/L		102	56 - 136	0	30
Chloromethane	ND		50.0	39.7		ug/L		79	49 - 148	2	31
cis-1,2-Dichloroethene	ND		50.0	54.0		ug/L		108	59 - 143	2	30
cis-1,3-Dichloropropene	ND		50.0	52.8		ug/L		106	57 - 140	1	30
1,2-Dichlorobenzene	ND		50.0	51.1		ug/L		102	52 - 137	2	30
1,3-Dichlorobenzene	ND		50.0	52.4		ug/L		105	54 - 135	1	30
1,4-Dichlorobenzene	ND		50.0	52.3		ug/L		105	53 - 135	1	30
Dichlorodifluoromethane	ND		50.0	47.0		ug/L		94	16 - 160	1	31
1,1-Dichloroethane	ND		50.0	54.7		ug/L		109	61 - 144	1	30
1,2-Dichloroethane	ND		50.0	51.9		ug/L		104	60 - 141	4	30
1,1-Dichloroethene	ND		50.0	58.6		ug/L		117	54 - 147	2	30
1,2-Dichloropropane	ND		50.0	52.3		ug/L		105	66 - 137	2	30
1,3-Dichloropropane	ND		50.0	52.0		ug/L		104	66 - 133	3	30
2,2-Dichloropropane	ND		50.0	56.1		ug/L		112	42 - 144	1	31
1,1-Dichloropropene	ND		50.0	54.5		ug/L		109	65 - 136	0	30
Ethylbenzene	ND		50.0	52.1		ug/L		104	58 - 131	0	30
Ethyl methacrylate	ND		50.0	49.2		ug/L		98	64 - 130	7	30
Hexachlorobutadiene	ND		50.0	52.8		ug/L		106	31 - 149	1	36
2-Hexanone	ND		200	187		ug/L		94	65 - 140	13	30
Isopropylbenzene	ND		50.0	52.2		ug/L		104	56 - 133	1	30
Methylene bromide	ND		50.0	53.9		ug/L		108	63 - 138	5	30
Methylene Chloride	ND		50.0	51.4		ug/L		103	60 - 146	1	32
4-Methyl-2-pentanone (MIBK)	ND		200	192		ug/L		96	63 - 146	12	30
Methyl tert-butyl ether	ND		50.0	52.7		ug/L		105	59 - 137	4	30
m-Xylene & p-Xylene	ND		50.0	51.4		ug/L		103	57 - 130	1	30
Naphthalene	ND		50.0	47.6		ug/L		95	25 - 160	7	30
n-Butylbenzene	ND		50.0	53.1		ug/L		106	41 - 142	1	31
N-Propylbenzene	ND		50.0	53.1		ug/L		106	51 - 138	1	30
o-Chlorotoluene	ND		50.0	52.4		ug/L		105	53 - 134	0	30
o-Xylene	ND		50.0	51.3		ug/L		103	61 - 130	0	30
p-Chlorotoluene	ND		50.0	51.7		ug/L		103	54 - 133	2	30

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

Lab Sample ID: 400-124401-3 MSD
Matrix: Water
Analysis Batch: 314949

Client Sample ID: MW26-ROX-071216
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	53.9		ug/L		108	48 - 139	1	30
sec-Butylbenzene	ND		50.0	53.1		ug/L		106	50 - 138	1	30
Styrene	ND		50.0	51.1		ug/L		102	58 - 131	1	30
tert-Butylbenzene	ND		50.0	52.8		ug/L		106	54 - 146	1	30
1,1,1,2-Tetrachloroethane	ND		50.0	51.8		ug/L		104	59 - 137	2	30
1,1,2,2-Tetrachloroethane	ND		50.0	48.5		ug/L		97	66 - 135	8	30
Tetrachloroethene	ND		50.0	52.3		ug/L		105	52 - 133	0	30
Toluene	ND		50.0	51.0		ug/L		102	65 - 130	1	30
trans-1,2-Dichloroethene	ND		50.0	56.0		ug/L		112	61 - 143	1	30
trans-1,3-Dichloropropene	ND		50.0	51.5		ug/L		103	53 - 133	2	30
1,2,3-Trichlorobenzene	ND		50.0	50.7		ug/L		101	43 - 145	2	30
1,2,4-Trichlorobenzene	ND		50.0	50.4		ug/L		101	39 - 148	3	30
1,1,1-Trichloroethane	ND		50.0	54.0		ug/L		108	57 - 142	0	30
1,1,2-Trichloroethane	ND		50.0	51.6		ug/L		103	66 - 131	4	30
Trichloroethene	ND		50.0	54.6		ug/L		109	64 - 136	1	30
Trichlorofluoromethane	ND		50.0	41.8		ug/L		84	54 - 156	1	30
1,2,3-Trichloropropane	ND		50.0	49.1		ug/L		98	65 - 133	8	30
1,2,4-Trimethylbenzene	ND		50.0	53.1		ug/L		106	50 - 139	1	30
1,3,5-Trimethylbenzene	ND		50.0	53.1		ug/L		106	52 - 135	1	30
Vinyl acetate	ND		100	102		ug/L		102	26 - 160	6	33
Vinyl chloride	ND		50.0	48.2		ug/L		96	46 - 152	1	30
Xylenes, Total	ND		100	103		ug/L		103	59 - 130	1	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*99*		*78 - 118*
Dibromofluoromethane	*104*		*81 - 121*
Toluene-d8 (Surr)	*98*		*80 - 120*

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

Lab Sample ID: MB 400-314434/1-A
Matrix: Water
Analysis Batch: 314976

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 314434

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		07/15/16 09:43	07/20/16 13:58	1
Benzenethiol	ND		10	1.7	ug/L		07/15/16 09:43	07/20/16 13:58	1
Benzoic acid	ND		30	7.3	ug/L		07/15/16 09:43	07/20/16 13:58	1
Benzyl alcohol	ND		10	2.0	ug/L		07/15/16 09:43	07/20/16 13:58	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		07/15/16 09:43	07/20/16 13:58	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		07/15/16 09:43	07/20/16 13:58	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		07/15/16 09:43	07/20/16 13:58	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		07/15/16 09:43	07/20/16 13:58	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		07/15/16 09:43	07/20/16 13:58	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		07/15/16 09:43	07/20/16 13:58	1
4-Chloroaniline	ND		10	3.4	ug/L		07/15/16 09:43	07/20/16 13:58	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		07/15/16 09:43	07/20/16 13:58	1
2-Chloronaphthalene	ND		10	0.52	ug/L		07/15/16 09:43	07/20/16 13:58	1

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

Lab Sample ID: MB 400-314434/1-A
Matrix: Water
Analysis Batch: 314976

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 314434

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorophenol	ND		10	2.2	ug/L		07/15/16 09:43	07/20/16 13:58	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		07/15/16 09:43	07/20/16 13:58	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		07/15/16 09:43	07/20/16 13:58	1
Dibenzofuran	ND		10	0.52	ug/L		07/15/16 09:43	07/20/16 13:58	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		07/15/16 09:43	07/20/16 13:58	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		07/15/16 09:43	07/20/16 13:58	1
Diethyl phthalate	ND		10	0.70	ug/L		07/15/16 09:43	07/20/16 13:58	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		07/15/16 09:43	07/20/16 13:58	1
Dimethyl phthalate	ND		10	0.60	ug/L		07/15/16 09:43	07/20/16 13:58	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		07/15/16 09:43	07/20/16 13:58	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/15/16 09:43	07/20/16 13:58	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		07/15/16 09:43	07/20/16 13:58	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		07/15/16 09:43	07/20/16 13:58	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		07/15/16 09:43	07/20/16 13:58	1
Di-n-octyl phthalate	ND		10	0.44	ug/L		07/15/16 09:43	07/20/16 13:58	1
1,4-Dioxane	ND		10	1.0	ug/L		07/15/16 09:43	07/20/16 13:58	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		07/15/16 09:43	07/20/16 13:58	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/15/16 09:43	07/20/16 13:58	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		07/15/16 09:43	07/20/16 13:58	1
Hexachloroethane	ND		10	4.2	ug/L		07/15/16 09:43	07/20/16 13:58	1
Indene	ND		10	1.0	ug/L		07/15/16 09:43	07/20/16 13:58	1
Isophorone	ND		10	0.57	ug/L		07/15/16 09:43	07/20/16 13:58	1
2-Methylphenol	ND		10	1.8	ug/L		07/15/16 09:43	07/20/16 13:58	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		07/15/16 09:43	07/20/16 13:58	1
2-Nitroaniline	ND		10	2.2	ug/L		07/15/16 09:43	07/20/16 13:58	1
3-Nitroaniline	ND		10	1.8	ug/L		07/15/16 09:43	07/20/16 13:58	1
4-Nitroaniline	ND		10	2.5	ug/L		07/15/16 09:43	07/20/16 13:58	1
Nitrobenzene	ND		10	0.55	ug/L		07/15/16 09:43	07/20/16 13:58	1
2-Nitrophenol	ND		10	0.65	ug/L		07/15/16 09:43	07/20/16 13:58	1
4-Nitrophenol	ND		10	2.1	ug/L		07/15/16 09:43	07/20/16 13:58	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		07/15/16 09:43	07/20/16 13:58	1
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		07/15/16 09:43	07/20/16 13:58	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		07/15/16 09:43	07/20/16 13:58	1
Pentachlorophenol	ND		20	1.8	ug/L		07/15/16 09:43	07/20/16 13:58	1
Phenol	ND		10	2.6	ug/L		07/15/16 09:43	07/20/16 13:58	1
Pyridine	ND		10	3.2	ug/L		07/15/16 09:43	07/20/16 13:58	1
Quinoline	ND		10	6.0	ug/L		07/15/16 09:43	07/20/16 13:58	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		07/15/16 09:43	07/20/16 13:58	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		07/15/16 09:43	07/20/16 13:58	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*61*		*34 - 120*	*07/15/16 09:43*	*07/20/16 13:58*	*1*
2-Fluorophenol	*52*		*10 - 120*	*07/15/16 09:43*	*07/20/16 13:58*	*1*
Nitrobenzene-d5	*61*		*27 - 120*	*07/15/16 09:43*	*07/20/16 13:58*	*1*
Phenol-d5	*57*		*10 - 120*	*07/15/16 09:43*	*07/20/16 13:58*	*1*
Terphenyl-d14	*70*		*53 - 125*	*07/15/16 09:43*	*07/20/16 13:58*	*1*
2,4,6-Tribromophenol	*71*		*15 - 135*	*07/15/16 09:43*	*07/20/16 13:58*	*1*

Lab Sample ID: LCS 400-314434/2-A
Matrix: Water
Analysis Batch: 314976

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 314434

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aniline	30.0	20.5		ug/L		68	10 - 145
Benzoic acid	121	72.1		ug/L		60	10 - 120
Benzyl alcohol	30.0	20.2		ug/L		67	51 - 121
Bis(2-chloroethoxy)methane	30.0	19.6		ug/L		65	54 - 123
Bis(2-chloroethyl)ether	30.0	19.3		ug/L		64	47 - 120
bis (2-chloroisopropyl) ether	30.0	18.4		ug/L		61	20 - 142
Bis(2-ethylhexyl) phthalate	30.0	22.6		ug/L		75	62 - 140
4-Bromophenyl phenyl ether	30.0	23.6		ug/L		79	62 - 132
Butyl benzyl phthalate	30.0	22.9		ug/L		76	51 - 150
4-Chloroaniline	30.0	20.1		ug/L		67	32 - 128
4-Chloro-3-methylphenol	30.0	22.9		ug/L		76	47 - 135
2-Chloronaphthalene	30.0	20.1		ug/L		67	24 - 150
2-Chlorophenol	30.0	19.7		ug/L		66	45 - 120
4-Chlorophenyl phenyl ether	30.0	24.0		ug/L		80	61 - 133
Dibenz[a,h]acridine	30.0	17.9		ug/L		60	60 - 131
Dibenzofuran	30.0	22.5		ug/L		75	62 - 124
3,3'-Dichlorobenzidine	40.0	42.2		ug/L		106	16 - 167
2,4-Dichlorophenol	30.0	22.0		ug/L		73	52 - 125
Diethyl phthalate	30.0	20.7		ug/L		69	55 - 140
2,4-Dimethylphenol	30.0	20.9		ug/L		70	52 - 121
Dimethyl phthalate	30.0	22.9		ug/L		76	50 - 133
Di-n-butyl phthalate	30.0	19.3		ug/L		64	59 - 144
4,6-Dinitro-ortho-cresol	60.0	51.4		ug/L		86	46 - 136
2,4-Dinitrophenol	101	99.7		ug/L		99	22 - 146
2,4-Dinitrotoluene	30.0	23.2		ug/L		77	54 - 141
2,6-Dinitrotoluene	30.0	24.8		ug/L		83	61 - 130
Di-n-octyl phthalate	30.0	22.1		ug/L		74	55 - 140
1,4-Dioxane	30.0	15.6		ug/L		52	10 - 130
1,2-Diphenylhydrazine (as Azobenzene)	30.0	20.4		ug/L		68	55 - 139
Hexachlorobenzene	30.0	24.6		ug/L		82	60 - 138
Hexachlorocyclopentadiene	30.0	16.3	J	ug/L		54	1 - 139
Hexachloroethane	30.0	20.9		ug/L		70	46 - 121
Indene	30.0	21.2		ug/L		71	17 - 141
Isophorone	30.0	22.4		ug/L		75	57 - 122
2-Methylphenol	30.0	21.5		ug/L		72	38 - 121
3 & 4 Methylphenol	30.0	19.4	J	ug/L		65	43 - 126
2-Nitroaniline	30.0	24.1		ug/L		80	52 - 135
3-Nitroaniline	30.0	29.8		ug/L		99	51 - 128
4-Nitroaniline	30.0	28.2		ug/L		94	38 - 141
Nitrobenzene	30.0	22.8		ug/L		76	52 - 128
2-Nitrophenol	30.0	20.3		ug/L		68	47 - 129
4-Nitrophenol	60.0	45.9		ug/L		77	34 - 137
N-Nitrosodimethylamine	30.0	17.4		ug/L		58	21 - 134
N-Nitrosodi-n-propylamine	30.0	19.7		ug/L		66	41 - 143
N-Nitrosodiphenylamine	30.0	21.8		ug/L		73	10 - 185
Pentachlorophenol	60.0	42.5		ug/L		71	38 - 138
Phenol	30.0	20.0		ug/L		67	37 - 120
Pyridine	30.0	16.2		ug/L		54	10 - 127
Quinoline	30.0	19.9		ug/L		66	10 - 164

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

Lab Sample ID: LCS 400-314434/2-A
Matrix: Water
Analysis Batch: 314976

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 314434

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4,5-Trichlorophenol	30.0	24.5		ug/L		82	53 - 130
2,4,6-Trichlorophenol	30.0	23.1		ug/L		77	52 - 131

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*59*		*34 - 120*
2-Fluorophenol	*59*		*10 - 120*
Nitrobenzene-d5	*71*		*27 - 120*
Phenol-d5	*66*		*10 - 120*
Terphenyl-d14	*75*		*53 - 125*
2,4,6-Tribromophenol	*91*		*15 - 135*

Lab Sample ID: LCS 400-314434/4-A
Matrix: Water
Analysis Batch: 314976

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 314434

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzenethiol	100	1.81	J *	ug/L		2	20 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*57*		*34 - 120*
2-Fluorophenol	*49*		*10 - 120*
Nitrobenzene-d5	*56*		*27 - 120*
Phenol-d5	*53*		*10 - 120*
Terphenyl-d14	*70*		*53 - 125*
2,4,6-Tribromophenol	*79*		*15 - 135*

Lab Sample ID: LCSD 400-314434/3-A
Matrix: Water
Analysis Batch: 314976

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 314434

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aniline	30.0	7.33	J *	ug/L		24	10 - 145	95	30
Benzoic acid	121	97.8		ug/L		81	10 - 120	30	30
Benzyl alcohol	30.0	19.5		ug/L		65	51 - 121	4	30
Bis(2-chloroethoxy)methane	30.0	19.0		ug/L		63	54 - 123	4	30
Bis(2-chloroethyl)ether	30.0	18.5		ug/L		62	47 - 120	4	30
bis (2-chloroisopropyl) ether	30.0	17.6		ug/L		59	20 - 142	5	30
Bis(2-ethylhexyl) phthalate	30.0	22.3		ug/L		74	62 - 140	1	30
4-Bromophenyl phenyl ether	30.0	23.2		ug/L		77	62 - 132	2	30
Butyl benzyl phthalate	30.0	22.5		ug/L		75	51 - 150	2	30
4-Chloroaniline	30.0	19.0		ug/L		63	32 - 128	6	30
4-Chloro-3-methylphenol	30.0	22.0		ug/L		73	47 - 135	4	30
2-Chloronaphthalene	30.0	22.5		ug/L		75	24 - 150	11	30
2-Chlorophenol	30.0	19.5		ug/L		65	45 - 120	1	30
4-Chlorophenyl phenyl ether	30.0	22.8		ug/L		76	61 - 133	5	30
Dibenz[a,h]acridine	30.0	16.9	*	ug/L		56	60 - 131	6	30
Dibenzofuran	30.0	22.0		ug/L		73	62 - 124	2	30
3,3'-Dichlorobenzidine	40.0	35.6		ug/L		89	16 - 167	17	30

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

Lab Sample ID: LCSD 400-314434/3-A
Matrix: Water
Analysis Batch: 314976

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 314434

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-Dichlorophenol	30.0	21.4		ug/L		71	52 - 125	3	30
Diethyl phthalate	30.0	20.4		ug/L		68	55 - 140	1	30
2,4-Dimethylphenol	30.0	17.4		ug/L		58	52 - 121	18	30
Dimethyl phthalate	30.0	22.7		ug/L		76	50 - 133	1	30
Di-n-butyl phthalate	30.0	20.7		ug/L		69	59 - 144	7	30
4,6-Dinitro-ortho-cresol	60.0	52.4		ug/L		87	46 - 136	2	30
2,4-Dinitrophenol	101	106		ug/L		104	22 - 146	6	30
2,4-Dinitrotoluene	30.0	23.4		ug/L		78	54 - 141	1	30
2,6-Dinitrotoluene	30.0	24.9		ug/L		83	61 - 130	0	30
Di-n-octyl phthalate	30.0	21.3		ug/L		71	55 - 140	3	30
1,4-Dioxane	30.0	17.4		ug/L		58	10 - 130	11	30
1,2-Diphenylhydrazine (as Azobenzene)	30.0	20.2		ug/L		67	55 - 139	1	30
Hexachlorobenzene	30.0	24.4		ug/L		81	60 - 138	0	30
Hexachlorocyclopentadiene	30.0	20.7		ug/L		69	1 - 139	24	30
Hexachloroethane	30.0	18.4		ug/L		61	46 - 121	13	30
Indene	30.0	22.0		ug/L		73	17 - 141	4	30
Isophorone	30.0	19.7		ug/L		66	57 - 122	13	30
2-Methylphenol	30.0	20.8		ug/L		69	38 - 121	3	30
3 & 4 Methylphenol	30.0	17.4	J	ug/L		58	43 - 126	11	30
2-Nitroaniline	30.0	24.3		ug/L		81	52 - 135	1	30
3-Nitroaniline	30.0	26.9		ug/L		90	51 - 128	10	30
4-Nitroaniline	30.0	25.1		ug/L		84	38 - 141	12	30
Nitrobenzene	30.0	19.4		ug/L		65	52 - 128	16	30
2-Nitrophenol	30.0	18.5		ug/L		62	47 - 129	9	30
4-Nitrophenol	60.0	42.5		ug/L		71	34 - 137	8	30
N-Nitrosodimethylamine	30.0	17.3		ug/L		58	21 - 134	0	30
N-Nitrosodi-n-propylamine	30.0	17.8		ug/L		59	41 - 143	10	30
N-Nitrosodiphenylamine	30.0	21.6		ug/L		72	10 - 185	1	30
Pentachlorophenol	60.0	46.1		ug/L		77	38 - 138	8	30
Phenol	30.0	20.3		ug/L		68	37 - 120	1	30
Pyridine	30.0	ND	*	ug/L		3	10 - 127	179	30
Quinoline	30.0	16.5		ug/L		55	10 - 164	19	30
2,4,5-Trichlorophenol	30.0	26.9		ug/L		90	53 - 130	9	30
2,4,6-Trichlorophenol	30.0	25.2		ug/L		84	52 - 131	9	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*69*		*34 - 120*
2-Fluorophenol	*66*		*10 - 120*
Nitrobenzene-d5	*65*		*27 - 120*
Phenol-d5	*70*		*10 - 120*
Terphenyl-d14	*78*		*53 - 125*
2,4,6-Tribromophenol	*99*		*15 - 135*

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

Lab Sample ID: LCSD 400-314434/5-A
Matrix: Water
Analysis Batch: 314976

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 314434

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzenethiol			100	2.71	J *	ug/L		3	20 - 150	40	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*72*		*34 - 120*
2-Fluorophenol	*53*		*10 - 120*
Nitrobenzene-d5	*58*		*27 - 120*
Phenol-d5	*57*		*10 - 120*
Terphenyl-d14	*73*		*53 - 125*
2,4,6-Tribromophenol	*83*		*15 - 135*

Lab Sample ID: 400-124395-A-4-A MS
Matrix: Water
Analysis Batch: 314976

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 314434

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aniline	ND	*	30.0	12.4		ug/L		41	10 - 143
Benzoic acid	ND		121	92.5		ug/L		77	10 - 134
Benzyl alcohol	ND		30.0	14.0		ug/L		47	10 - 154
Bis(2-chloroethoxy)methane	ND		30.0	18.2		ug/L		61	14 - 147
Bis(2-chloroethyl)ether	ND		30.0	17.8		ug/L		59	28 - 130
bis (2-chloroisopropyl) ether	ND		30.0	15.4		ug/L		51	10 - 141
Bis(2-ethylhexyl) phthalate	ND		30.0	20.2		ug/L		67	43 - 160
4-Bromophenyl phenyl ether	ND		30.0	22.5		ug/L		75	26 - 159
Butyl benzyl phthalate	ND		30.0	20.8		ug/L		69	43 - 151
4-Chloroaniline	ND		30.0	15.4		ug/L		51	10 - 152
4-Chloro-3-methylphenol	ND		30.0	19.1		ug/L		64	17 - 156
2-Chloronaphthalene	ND		30.0	20.8		ug/L		69	10 - 155
2-Chlorophenol	ND		30.0	18.8		ug/L		63	19 - 130
4-Chlorophenyl phenyl ether	ND		30.0	22.0		ug/L		73	25 - 161
Dibenz[a,h]acridine	ND	*	30.0	16.6		ug/L		55	42 - 147
Dibenzofuran	ND		30.0	21.3		ug/L		71	18 - 157
3,3'-Dichlorobenzidine	ND		40.0	14.9		ug/L		37	10 - 172
2,4-Dichlorophenol	ND		30.0	21.2		ug/L		71	16 - 147
Diethyl phthalate	ND		30.0	20.0		ug/L		67	23 - 160
2,4-Dimethylphenol	ND		30.0	19.3		ug/L		64	25 - 146
Dimethyl phthalate	ND		30.0	22.2		ug/L		74	11 - 158
Di-n-butyl phthalate	ND		30.0	19.7		ug/L		66	28 - 162
4,6-Dinitro-ortho-cresol	ND		60.0	51.4		ug/L		86	10 - 168
2,4-Dinitrophenol	ND		101	105		ug/L		104	10 - 166
2,4-Dinitrotoluene	ND		30.0	22.6		ug/L		75	26 - 158
2,6-Dinitrotoluene	ND		30.0	24.6		ug/L		82	19 - 157
Di-n-octyl phthalate	ND		30.0	19.4		ug/L		65	42 - 150
1,4-Dioxane	ND		30.0	14.7		ug/L		49	10 - 130
1,2-Diphenylhydrazine (as Azobenzene)	ND		30.0	19.8		ug/L		66	19 - 162
Hexachlorobenzene	ND		30.0	23.1		ug/L		77	45 - 145
Hexachlorocyclopentadiene	ND		30.0	14.6	J	ug/L		49	10 - 151
Hexachloroethane	ND		30.0	21.6		ug/L		72	29 - 130

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

Lab Sample ID: 400-124395-A-4-A MS
Matrix: Water
Analysis Batch: 314976

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 314434

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Indene	ND		30.0	18.3		ug/L		61	22 - 130
Isophorone	ND		30.0	19.0		ug/L		63	24 - 144
2-Methylphenol	ND		30.0	21.8		ug/L		73	22 - 130
3 & 4 Methylphenol	ND		30.0	18.9	J	ug/L		63	31 - 130
2-Nitroaniline	ND		30.0	23.8		ug/L		79	10 - 162
3-Nitroaniline	ND		30.0	24.4		ug/L		81	10 - 163
4-Nitroaniline	ND		30.0	24.2		ug/L		81	10 - 162
Nitrobenzene	ND		30.0	18.5		ug/L		62	34 - 135
2-Nitrophenol	ND		30.0	17.9		ug/L		60	27 - 134
4-Nitrophenol	ND		60.0	42.2		ug/L		70	10 - 175
N-Nitrosodimethylamine	ND		30.0	15.5		ug/L		52	10 - 139
N-Nitrosodi-n-propylamine	ND		30.0	18.0		ug/L		60	13 - 147
N-Nitrosodiphenylamine	ND		30.0	20.7		ug/L		69	31 - 150
Pentachlorophenol	ND		60.0	48.2		ug/L		80	10 - 180
Phenol	ND		30.0	19.5		ug/L		65	23 - 130
Pyridine	ND	* F1	30.0	ND	F1	ug/L		0	10 - 130
Quinoline	ND		30.0	16.5		ug/L		55	10 - 180
2,4,5-Trichlorophenol	ND		30.0	26.9		ug/L		90	43 - 137
2,4,6-Trichlorophenol	ND		30.0	24.6		ug/L		82	42 - 135

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*64*		*34 - 120*
2-Fluorophenol	*59*		*10 - 120*
Nitrobenzene-d5	*60*		*27 - 120*
Phenol-d5	*63*		*10 - 120*
Terphenyl-d14	*65*		*53 - 125*
2,4,6-Tribromophenol	*95*		*15 - 135*

Lab Sample ID: 400-124395-A-4-B MSD
Matrix: Water
Analysis Batch: 314976

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 314434

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aniline	ND	*	30.0	10.8		ug/L		36	10 - 143	13	63
Benzoic acid	ND		121	98.5		ug/L		82	10 - 134	6	49
Benzyl alcohol	ND		30.0	14.5		ug/L		48	10 - 154	3	37
Bis(2-chloroethoxy)methane	ND		30.0	18.3		ug/L		61	14 - 147	0	70
Bis(2-chloroethyl)ether	ND		30.0	17.3		ug/L		58	28 - 130	3	42
bis (2-chloroisopropyl) ether	ND		30.0	16.4		ug/L		55	10 - 141	7	41
Bis(2-ethylhexyl) phthalate	ND		30.0	20.7		ug/L		69	43 - 160	2	35
4-Bromophenyl phenyl ether	ND		30.0	22.4		ug/L		75	26 - 159	0	30
Butyl benzyl phthalate	ND		30.0	19.6		ug/L		65	43 - 151	6	32
4-Chloroaniline	ND		30.0	17.6		ug/L		59	10 - 152	13	94
4-Chloro-3-methylphenol	ND		30.0	22.3		ug/L		74	17 - 156	16	40
2-Chloronaphthalene	ND		30.0	21.0		ug/L		70	10 - 155	1	29
2-Chlorophenol	ND		30.0	18.5		ug/L		62	19 - 130	2	42
4-Chlorophenyl phenyl ether	ND		30.0	21.9		ug/L		73	25 - 161	0	27
Dibenz[a,h]acridine	ND	*	30.0	13.4		ug/L		45	42 - 147	22	40

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

Lab Sample ID: 400-124395-A-4-B MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 314976 — **Prep Batch: 314434**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Dibenzofuran	ND		30.0	21.6		ug/L		72	18 - 157	2	29
3,3'-Dichlorobenzidine	ND		40.0	12.9		ug/L		32	10 - 172	15	58
2,4-Dichlorophenol	ND		30.0	21.6		ug/L		72	16 - 147	2	43
Diethyl phthalate	ND		30.0	20.0		ug/L		67	23 - 160	0	40
2,4-Dimethylphenol	ND		30.0	19.8		ug/L		66	25 - 146	3	47
Dimethyl phthalate	ND		30.0	22.2		ug/L		74	11 - 158	0	36
Di-n-butyl phthalate	ND		30.0	19.4		ug/L		65	28 - 162	1	32
4,6-Dinitro-ortho-cresol	ND		60.0	53.0		ug/L		88	10 - 168	3	42
2,4-Dinitrophenol	ND		101	112		ug/L		110	10 - 166	6	36
2,4-Dinitrotoluene	ND		30.0	22.8		ug/L		76	26 - 158	1	28
2,6-Dinitrotoluene	ND		30.0	24.2		ug/L		81	19 - 157	1	28
Di-n-octyl phthalate	ND		30.0	18.2		ug/L		61	42 - 150	6	35
1,4-Dioxane	ND		30.0	14.2		ug/L		47	10 - 130	3	40
1,2-Diphenylhydrazine (as Azobenzene)	ND		30.0	20.1		ug/L		67	19 - 162	1	40
Hexachlorobenzene	ND		30.0	22.9		ug/L		76	45 - 145	1	33
Hexachlorocyclopentadiene	ND		30.0	14.0	J	ug/L		47	10 - 151	4	50
Hexachloroethane	ND		30.0	21.2		ug/L		71	29 - 130	2	41
Indene	ND		30.0	17.4		ug/L		58	22 - 130	5	40
Isophorone	ND		30.0	19.1		ug/L		64	24 - 144	0	33
2-Methylphenol	ND		30.0	22.1		ug/L		74	22 - 130	1	47
3 & 4 Methylphenol	ND		30.0	18.3	J	ug/L		61	31 - 130	3	47
2-Nitroaniline	ND		30.0	24.4		ug/L		81	10 - 162	2	33
3-Nitroaniline	ND		30.0	23.9		ug/L		80	10 - 163	2	39
4-Nitroaniline	ND		30.0	22.9		ug/L		76	10 - 162	5	50
Nitrobenzene	ND		30.0	19.0		ug/L		63	34 - 135	2	35
2-Nitrophenol	ND		30.0	18.4		ug/L		61	27 - 134	3	43
4-Nitrophenol	ND		60.0	44.3		ug/L		74	10 - 175	5	82
N-Nitrosodimethylamine	ND		30.0	15.8		ug/L		53	10 - 139	2	62
N-Nitrosodi-n-propylamine	ND		30.0	17.7		ug/L		59	13 - 147	2	36
N-Nitrosodiphenylamine	ND		30.0	20.9		ug/L		70	31 - 150	1	34
Pentachlorophenol	ND		60.0	50.5		ug/L		84	10 - 180	5	42
Phenol	ND		30.0	18.9		ug/L		63	23 - 130	3	52
Pyridine	ND	* F1	30.0	ND	F1	ug/L		0	10 - 130	NC	55
Quinoline	ND		30.0	18.5		ug/L		62	10 - 180	12	40
2,4,5-Trichlorophenol	ND		30.0	26.8		ug/L		89	43 - 137	1	42
2,4,6-Trichlorophenol	ND		30.0	24.9		ug/L		83	42 - 135	1	44

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*59*		*34 - 120*
2-Fluorophenol	*53*		*10 - 120*
Nitrobenzene-d5	*56*		*27 - 120*
Phenol-d5	*56*		*10 - 120*
Terphenyl-d14	*56*		*53 - 125*
2,4,6-Tribromophenol	*84*		*15 - 135*

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

Lab Sample ID: MB 400-314434/1-A
Matrix: Water
Analysis Batch: 314990

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 314434

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 05:56	1
Acenaphthylene	ND		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 05:56	1
Anthracene	ND		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 05:56	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 05:56	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 05:56	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 05:56	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 05:56	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 05:56	1
Chrysene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 05:56	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 05:56	1
Fluoranthene	ND		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 05:56	1
Fluorene	ND		0.20	0.021	ug/L		07/15/16 09:43	07/20/16 05:56	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		07/15/16 09:43	07/20/16 05:56	1
Phenanthrene	ND		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 05:56	1
Pyrene	ND		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 05:56	1
1-Methylnaphthalene	ND		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 05:56	1
2-Methylnaphthalene	ND		0.20	0.020	ug/L		07/15/16 09:43	07/20/16 05:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*104*		*33 - 138*	*07/15/16 09:43*	*07/20/16 05:56*	*1*
2-Fluorobiphenyl	*65*		*15 - 122*	*07/15/16 09:43*	*07/20/16 05:56*	*1*
Nitrobenzene-d5	*67*		*19 - 130*	*07/15/16 09:43*	*07/20/16 05:56*	*1*

Lab Sample ID: LCS 400-314434/2-A
Matrix: Water
Analysis Batch: 314990

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 314434

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	30.0	24.2		ug/L		81	41 - 120
Acenaphthylene	30.0	25.0		ug/L		83	44 - 120
Anthracene	30.0	25.1		ug/L		84	49 - 120
Benzo[a]anthracene	30.0	25.3		ug/L		84	61 - 135
Benzo[a]pyrene	30.0	24.8		ug/L		83	52 - 120
Benzo[b]fluoranthene	30.0	27.0		ug/L		90	53 - 134
Benzo[g,h,i]perylene	30.0	25.4		ug/L		85	47 - 133
Benzo[k]fluoranthene	30.0	23.9		ug/L		80	57 - 134
Chrysene	30.0	25.0		ug/L		83	55 - 122
Dibenz(a,h)anthracene	30.0	24.9		ug/L		83	48 - 146
Fluoranthene	30.0	26.8		ug/L		89	54 - 128
Fluorene	30.0	24.9		ug/L		83	45 - 125
Indeno[1,2,3-cd]pyrene	30.0	24.1		ug/L		80	43 - 142
Phenanthrene	30.0	20.1		ug/L		67	48 - 120
Pyrene	30.0	24.6		ug/L		82	48 - 132
1-Methylnaphthalene	30.0	20.5		ug/L		68	41 - 120
2-Methylnaphthalene	30.0	19.8		ug/L		66	32 - 124

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

Lab Sample ID: LCS 400-314434/2-A
Matrix: Water
Analysis Batch: 314990

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 314434

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Terphenyl-d14	81		33 - 138
2-Fluorobiphenyl	75		15 - 122
Nitrobenzene-d5	63		19 - 130

Lab Sample ID: LCSD 400-314434/3-A
Matrix: Water
Analysis Batch: 314990

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 314434

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	30.0	24.1		ug/L		80	41 - 120	1	56
Acenaphthylene	30.0	24.3		ug/L		81	44 - 120	3	56
Anthracene	30.0	24.4		ug/L		81	49 - 120	3	51
Benzo[a]anthracene	30.0	23.8		ug/L		79	61 - 135	6	49
Benzo[a]pyrene	30.0	24.2		ug/L		81	52 - 120	3	50
Benzo[b]fluoranthene	30.0	26.3		ug/L		88	53 - 134	3	54
Benzo[g,h,i]perylene	30.0	26.7		ug/L		89	47 - 133	5	50
Benzo[k]fluoranthene	30.0	24.0		ug/L		80	57 - 134	0	52
Chrysene	30.0	24.4		ug/L		81	55 - 122	3	50
Dibenz(a,h)anthracene	30.0	25.4		ug/L		85	48 - 146	2	50
Fluoranthene	30.0	26.5		ug/L		88	54 - 128	1	52
Fluorene	30.0	24.1		ug/L		80	45 - 125	3	56
Indeno[1,2,3-cd]pyrene	30.0	24.8		ug/L		83	43 - 142	3	51
Phenanthrene	30.0	20.2		ug/L		67	48 - 120	0	56
Pyrene	30.0	23.8		ug/L		79	48 - 132	3	52
1-Methylnaphthalene	30.0	20.5		ug/L		68	41 - 120	0	55
2-Methylnaphthalene	30.0	20.1		ug/L		67	32 - 124	2	57

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Terphenyl-d14	83		33 - 138
2-Fluorobiphenyl	80		15 - 122
Nitrobenzene-d5	66		19 - 130

Lab Sample ID: 400-124395-A-4-A MS
Matrix: Water
Analysis Batch: 314990

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 314434

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.042	J	30.0	20.0		ug/L		66	35 - 113
Acenaphthylene	ND		30.0	20.0		ug/L		67	41 - 118
Anthracene	ND		30.0	19.6		ug/L		65	45 - 122
Benzo[a]anthracene	ND		30.0	18.6		ug/L		62	55 - 133
Benzo[a]pyrene	ND		30.0	17.3		ug/L		58	50 - 108
Benzo[b]fluoranthene	ND		30.0	19.4		ug/L		65	50 - 128
Benzo[g,h,i]perylene	ND		30.0	19.6		ug/L		65	46 - 133
Benzo[k]fluoranthene	ND		30.0	18.0		ug/L		60	52 - 128
Chrysene	ND		30.0	19.0		ug/L		63	52 - 116
Dibenz(a,h)anthracene	ND		30.0	19.5		ug/L		65	52 - 143
Fluoranthene	ND		30.0	21.6		ug/L		72	32 - 150

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

Lab Sample ID: 400-124395-A-4-A MS
Matrix: Water
Analysis Batch: 314990

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 314434

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluorene	ND		30.0	20.4		ug/L		68	15 - 150
Indeno[1,2,3-cd]pyrene	ND		30.0	18.6		ug/L		62	41 - 141
Phenanthrene	ND		30.0	16.6		ug/L		55	36 - 125
Pyrene	ND		30.0	19.6		ug/L		65	41 - 127
1-Methylnaphthalene	1.1		30.0	20.1		ug/L		63	10 - 150
2-Methylnaphthalene	1.1		30.0	19.0		ug/L		60	10 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Terphenyl-d14	*57*		*33 - 138*
2-Fluorobiphenyl	*61*		*15 - 122*
Nitrobenzene-d5	*59*		*19 - 130*

Lab Sample ID: 400-124395-A-4-B MSD
Matrix: Water
Analysis Batch: 314990

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 314434

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	0.042	J	30.0	21.6		ug/L		72	35 - 113	8	49
Acenaphthylene	ND		30.0	22.0		ug/L		73	41 - 118	10	48
Anthracene	ND		30.0	20.5		ug/L		68	45 - 122	5	56
Benzo[a]anthracene	ND		30.0	19.5		ug/L		65	55 - 133	5	57
Benzo[a]pyrene	ND		30.0	18.1		ug/L		60	50 - 108	4	59
Benzo[b]fluoranthene	ND		30.0	22.1		ug/L		74	50 - 128	13	62
Benzo[g,h,i]perylene	ND		30.0	20.2		ug/L		67	46 - 133	3	58
Benzo[k]fluoranthene	ND		30.0	18.7		ug/L		62	52 - 128	3	58
Chrysene	ND		30.0	20.0		ug/L		67	52 - 116	5	59
Dibenz(a,h)anthracene	ND		30.0	19.8		ug/L		66	52 - 143	2	60
Fluoranthene	ND		30.0	23.0		ug/L		77	32 - 150	6	59
Fluorene	ND		30.0	22.4		ug/L		75	15 - 150	10	49
Indeno[1,2,3-cd]pyrene	ND		30.0	18.7		ug/L		62	41 - 141	1	58
Phenanthrene	ND		30.0	17.8		ug/L		59	36 - 125	7	69
Pyrene	ND		30.0	21.3		ug/L		71	41 - 127	8	58
1-Methylnaphthalene	1.1		30.0	21.8		ug/L		69	10 - 150	8	66
2-Methylnaphthalene	1.1		30.0	21.0		ug/L		66	10 - 150	10	66

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Terphenyl-d14	*54*		*33 - 138*
2-Fluorobiphenyl	*61*		*15 - 122*
Nitrobenzene-d5	*60*		*19 - 130*

Method: 8011 - EDB and DBCP in Water by Microextraction

Lab Sample ID: MB 400-314555/1-A
Matrix: Water
Analysis Batch: 314609

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 314555

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		07/16/16 11:05	07/16/16 20:31	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		07/16/16 11:05	07/16/16 20:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*		*51 - 149*	*07/16/16 11:05*	*07/16/16 20:31*	*1*

Lab Sample ID: LCS 400-314555/2-A
Matrix: Water
Analysis Batch: 314609

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 314555

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	0.100	0.0966		ug/L		97	60 - 140
1,2-Dibromoethane	0.100	0.115		ug/L		115	60 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*107*		*51 - 149*

Lab Sample ID: 400-124217-C-3-B MS
Matrix: Water
Analysis Batch: 314609

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 314555

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	ND		0.104	0.108		ug/L		104	65 - 135
1,2-Dibromoethane	ND		0.104	0.108		ug/L		104	65 - 135

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*91*		*51 - 149*

Lab Sample ID: 400-124217-C-3-C MSD
Matrix: Water
Analysis Batch: 314609

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 314555

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		0.102	0.113		ug/L		111	65 - 135	4	20
1,2-Dibromoethane	ND		0.102	0.102		ug/L		100	65 - 135	6	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*90*		*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 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: 12 July 2016
PO #	**GSAP Project ID**	PAGE: 1 of 1
60477387 - 1.03.003 / 1.03.0033	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 - 1.03.003 / 1.03.0033

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

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

PHONE NO.:

E-MAIL:

AECOM Other ID

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

SAMPLER NAME(S) (Print): S. Fisher / 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

☐ LA - RWQCB REPORT FORMAT

DELIVERABLES: ☑ LLEVEL 2 ☐ LEVE ☑ 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

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

REQUESTED ANALYSIS

UNIT COST 60477387 - 1.03.0033

400-124401 COC

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	FIELD NOTES: Container PID Readings or Laboratory Notes
	TB-ROX-071216R-8011	7/12/16	0000	WATER	2					2	X				
	TB-ROX-071216R-8260	"	0000	"	2					2			X		
	MW26-ROX-071216	"	0910	"	4			2		6	2	1	2	1	
	MW12-ROX-071216	"	1015	"	4			2		6	2	1	2	1	
	MW16-ROX-071216	"	1115	"	4			2		6	2	1	2	1	
	MW24-ROX-071216-EB	"	1240	"	4			2		6	2	1	2	1	
	MW24-ROX-071216	"	1345	"	4			2		6	2	1	2	1	
	P54-ROX-071216	↓	1435	↓	4			2		6	2	1	2	1	

Temp. 0.4, 0.5
0.4, 2.5
COC IR #5

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		12 July 2016	1730
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		7/13/16	829

Custody seals: TestAmerica:

Relinquished by: (Signature)	
743262	743271
743263	743272
743264	743273
743265	743274

Ref: S400-56442 Date: 20Jun16 Wgt: 10.00 LBS DV: 0.00
Dep:
SHIPPING: 0.00 SPECIAL: 0.00 HANDLING: 0.00 TOTAL: 0.00
Svcs: PRIORITY OVERNIGHT TRCK: 6546 8386 3885

Ref: S400-56442 Date: 20Jun16 Wgt: 10.00 LBS DV: 0.00
Dep:
SHIPPING: 0.00 SPECIAL: 0.00 HANDLING: 0.00 TOTAL: 0.00
Svcs: PRIORITY OVERNIGHT TRCK: 6546 8386 3874

Login Sample Receipt Checklist

Client: AECOM Technical Services Inc.

Job Number: 400-124401-1
SDG Number: 60477387 - 1.03.003/1.03.0033

Login Number: 124401
List Number: 1
Creator: Chambers, Cheryle A

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 (excluding tests with immediate HTs)		
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 - 3Q16

TestAmerica Job ID: 400-124401-1
SDG: 60477387 - 1.03.003/1.03.0033

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	06-30-17
Arizona	State Program	9	AZ0710	01-11-17
Arkansas DEQ	State Program	6	88-0689	09-01-16
California	ELAP	9	2510	03-31-18
Florida	NELAP	4	E81010	06-30-17
Georgia	State Program	4	N/A	06-30-17
Illinois	NELAP	5	200041	10-09-16
Iowa	State Program	7	367	07-31-16 *
Kansas	NELAP	7	E-10253	10-31-16
Kentucky (UST)	State Program	4	53	06-30-17
Kentucky (WW)	State Program	4	98030	12-31-16
Louisiana	NELAP	6	30976	06-30-17
Maryland	State Program	3	233	09-30-17
Massachusetts	State Program	1	M-FL094	06-30-16 *
Michigan	State Program	5	9912	05-06-17
New Jersey	NELAP	2	FL006	06-30-17
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	06-30-17
Texas	NELAP	6	T104704286-15-9	09-30-16
USDA	Federal		P330-16-00172	05-24-19
Virginia	NELAP	3	460166	06-14-17
Washington	State Program	10	C915	05-15-17
West Virginia DEP	State Program	3	136	08-31-16

* Certification renewal pending - certification considered valid.

Roxana Groundwater Quarterly – 3rd Quarter 2016 Data Review

Laboratory SDG: 400-124549-1

Data Reviewer: Melissa Mansker

Peer Reviewer: Elizabeth Kunkel

Date Reviewed: 8/10/2016

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

Sample Identification	Sample Identification
TB-ROX-071316W-8011	TB-ROX-071316W-8260
P59-ROX-071316	P57-ROX-071316
P93A-ROX-071316	P93A-ROX-071316-Dup

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 di-n-octyl phthalate was detected in the equipment blank. Several VOC and SVOC LCS/LCSD recoveries and SVOC LCS/LCSD RPDs were outside evaluation criteria. The PAH and SVOC surrogate recovery for terphenyl-d_{14} was outside criteria in several samples. 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 2-chloroethyl vinyl ether, benzyl alcohol, and n-nitrosodimethylamine exceeded evaluation criteria. 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 two of three coolers were received by the laboratory at temperatures of 1.4°C and 1.5°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 400-314926/1-A	SVOCs	Di-n-octyl phthalate	0.577 µg/L

Qualifications due to blank contamination are included in the table below. Analytical data that were reported non-detect or at concentrations greater than five times (5X) the associated blank concentration did not require qualification.

Sample ID	Parameter	Analyte	New Reporting Limit (RL)	Qualification
P59-ROX-071316	SVOCs	Di-n-octyl phthalate	-	**U**
P57-ROX-071316	SVOCs	Di-n-octyl phthalate	-	**U**
P93A-ROX-071316	SVOCs	Di-n-octyl phthalate	-	**U**

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 400-315486/1002	VOCs	2-Chloroethyl vinyl ether	**289**	NA	10-160
LCS/LCSD 400-314926/2-A/3-A	SVOCs	Benzoic acid	11/17	**40**	10-120/30
LCS/LCSD 400-314926/2-A/3-A	SVOCs	Pyridine	**2/2**	8	10-127/30

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
P59-ROX-071316	SVOCs	Pyridine	**UJ**
P57-ROX-071316	SVOCs	Pyridine	**UJ**
P93A-ROX-071316	SVOCs	Pyridine	**UJ**
P93A-ROX-071316-Dup	SVOCs	Pyridine	**UJ**

6.0 Surrogate Recoveries

Were surrogate recoveries within evaluation criteria?

No

Sample ID	Parameter	Surrogate	Recovery (%)	Criteria (%)
P59-ROX-071316	PAHs	Terphenyl-d_{14}	**29**	33-138
P59-ROX-071316	SVOCs	Terphenyl-d_{14}	**28**	53-125
P57-ROX-071316	SVOCs	Terphenyl-d_{14}	**35**	53-125
P93A-ROX-071316	SVOCs	Terphenyl-d_{14}	**41**	53-125

Qualifications due to surrogate recoveries were not required due to only one of three

base fraction surrogate recoveries being outside evaluation criteria. 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
P93A-ROX-071316	P93A-ROX-071316-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: 400-124549-1
TestAmerica SDG: 60477387 - 1.03.003/1.03.0033
Client Project/Site: ROXANA QUARTERLY GW - 3Q16

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:
7/31/2016 12:38:48 PM

Carolyn Hooper, Project Manager I
(850)471-6226
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LINKS

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Reviewed 8/10/2016

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: 400-124549-1

Laboratory: TestAmerica Pensacola

Narrative

Job Narrative
400-124549-1

Receipt
The samples were received on 7/15/2016 8:36 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 3 coolers at receipt time were 1.4°C, 1.5°C and 2.0°C.

GC/MS VOA
Method 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-315307 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: P59-ROX-071316 (400-124549-3) and P93A-ROX-071316 (400-124549-5) 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 400-315486 were outside control limits for 2-Chloroethyl vinyl ether due to the acidic nature of the parent sample.

The continuing calibration verification (CCV) associated with batch 400-315486 recovered above the upper control limit for 2-chloroethyl vinyl ether. The samples associated with this CCV were non-detects for the affected analyte therefore, the data have been reported.

The laboratory control sample (LCS) for analytical batch 400-315486 recovered outside control limits for one analyte. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

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: TB-ROX-071316W-8260 (400-124549-2). The requested target analyte list includes 2-chloroethyl vinyl ether, Acrolein and Acrylonitrile, which are acid-labile compounds that degrade in an acidic medium.

The RPD for the MS/MSD for 2-chloroethyl vinyl ether was not calculable for batch 315307 because the recoveries were below the reporting limit 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 analytical batch 400-315486 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 400-315342 recovered above the upper control limit for Benzyl alcohol and N-Nitrosodimethylamine. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: P59-ROX-071316 (400-124549-3), P57-ROX-071316 (400-124549-4), P93A-ROX-071316 (400-124549-5) and P93A-ROX-071316-DUP (400-124549-6).

The following analytes recovered outside control limits for the LCS/LCSD associated with preparation batch 400-314926 and analytical batch 400-315342: Pyridine. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.

Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base 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: P59-ROX-071316 (400-124549-3), P57-ROX-071316 (400-124549-4) and P93A-ROX-071316 (400-124549-5). These results have been reported and qualified.

The method blank for preparation batch 400-314926 and analytical batch 400-315342 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.

Job ID: 400-124549-1 (Continued)

Laboratory: TestAmerica Pensacola (Continued)

The following sample was diluted to bring the concentration of target analytes within the calibration range: P57-ROX-071316 (400-124549-4). Elevated reporting limits (RLs) are provided.

Method 8270D LL: 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: P59-ROX-071316 (400-124549-3). These results have been reported and qualified.

Due to sample matrix effect on the internal standard (ISTD), a dilution was required for the following samples: P59-ROX-071316 (400-124549-3) and P57-ROX-071316 (400-124549-4).

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 - 3Q16

TestAmerica Job ID: 400-124549-1
SDG: 60477387 - 1.03.003/1.03.0033

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-124549-1	TB-ROX-071316W-8011	Water	07/13/16 00:00	07/15/16 08:36
400-124549-2	TB-ROX-071316W-8260	Water	07/13/16 00:00	07/15/16 08:36
400-124549-3	P59-ROX-071316	Water	07/13/16 09:55	07/15/16 08:36
400-124549-4	P57-ROX-071316	Water	07/13/16 11:10	07/15/16 08:36
400-124549-5	P93A-ROX-071316	Water	07/13/16 14:20	07/15/16 08:36
400-124549-6	P93A-ROX-071316-DUP	Water	07/13/16 14:20	07/15/16 08:36

Detection Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 3Q16

TestAmerica Job ID: 400-124549-1
SDG: 60477387 - 1.03.003/1.03.0033

Client Sample ID: TB-ROX-071316W-8011 — Lab Sample ID: 400-124549-1

No Detections.

Client Sample ID: TB-ROX-071316W-8260 — Lab Sample ID: 400-124549-2

No Detections.

Client Sample ID: P59-ROX-071316 — Lab Sample ID: 400-124549-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	4200		25	9.5	ug/L	25		8260B	Total/NA
Ethylbenzene	1400		25	13	ug/L	25		8260B	Total/NA
Isopropylbenzene	46		25	13	ug/L	25		8260B	Total/NA
m-Xylene & p-Xylene	2100		130	40	ug/L	25		8260B	Total/NA
Naphthalene	180		25	25	ug/L	25		8260B	Total/NA
N-Propylbenzene	59		25	17	ug/L	25		8260B	Total/NA
o-Xylene	170		130	15	ug/L	25		8260B	Total/NA
Toluene	470		25	18	ug/L	25		8260B	Total/NA
1,2,4-Trimethylbenzene	480		25	21	ug/L	25		8260B	Total/NA
1,3,5-Trimethylbenzene	160		25	14	ug/L	25		8260B	Total/NA
Xylenes, Total	2200		250	40	ug/L	25		8260B	Total/NA
1-Methylnaphthalene	18		1.0	0.10	ug/L	5		8270D LL	Total/NA
2-Methylnaphthalene	21		1.0	0.10	ug/L	5		8270D LL	Total/NA
2,4-Dimethylphenol	63		10	3.5	ug/L	1		8270D	Total/NA
Di-n-octyl phthalate	~~0.79~~	J B	10	0.44	ug/L	1		8270D	Total/NA

Client Sample ID: P57-ROX-071316 — Lab Sample ID: 400-124549-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	70000		500	190	ug/L	500		8260B	Total/NA
Ethylbenzene	570		500	250	ug/L	500		8260B	Total/NA
Acenaphthene	0.41	J	1.0	0.10	ug/L	5		8270D LL	Total/NA
Fluorene	0.53	J	1.0	0.11	ug/L	5		8270D LL	Total/NA
Phenanthrene	0.53	J	1.0	0.10	ug/L	5		8270D LL	Total/NA
1-Methylnaphthalene	26		1.0	0.10	ug/L	5		8270D LL	Total/NA
2-Methylnaphthalene	36		1.0	0.10	ug/L	5		8270D LL	Total/NA
Bis(2-ethylhexyl) phthalate	38		10	2.3	ug/L	1		8270D	Total/NA
Di-n-octyl phthalate	~~0.69~~	J B	10	0.44	ug/L	1		8270D	Total/NA
Phenol	730		100	26	ug/L	10		8270D	Total/NA

Client Sample ID: P93A-ROX-071316 — Lab Sample ID: 400-124549-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	18000		100	38	ug/L	100		8260B	Total/NA
1-Methylnaphthalene	0.22		0.20	0.020	ug/L	1		8270D LL	Total/NA
2-Methylnaphthalene	0.10	J	0.20	0.020	ug/L	1		8270D LL	Total/NA
Di-n-octyl phthalate	~~1.2~~	J B	10	0.44	ug/L	1		8270D	Total/NA
Phenol	5.1	J	10	2.6	ug/L	1		8270D	Total/NA

Client Sample ID: P93A-ROX-071316-DUP — Lab Sample ID: 400-124549-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	20000		100	38	ug/L	100		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: P93A-ROX-071316-DUP (Continued)

Lab Sample ID: 400-124549-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluorene	0.070	J	0.20	0.021	ug/L	1		8270D LL	Total/NA
1-Methylnaphthalene	0.25		0.20	0.020	ug/L	1		8270D LL	Total/NA
2-Methylnaphthalene	0.12	J	0.20	0.020	ug/L	1		8270D LL	Total/NA
Phenol	7.8	J	10	2.6	ug/L	1		8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: TB-ROX-071316W-8011
Date Collected: 07/13/16 00:00
Date Received: 07/15/16 08:36

Lab Sample ID: 400-124549-1
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		07/24/16 10:51	07/25/16 13:03	1
1,2-Dibromoethane	ND		0.020	0.0049	ug/L		07/24/16 10:51	07/25/16 13:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*51 - 149*	*07/24/16 10:51*	*07/25/16 13:03*	*1*

Client Sample ID: TB-ROX-071316W-8260
Date Collected: 07/13/16 00:00
Date Received: 07/15/16 08:36

Lab Sample ID: 400-124549-2
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			07/23/16 17:05	1
Acrolein	ND		20	10	ug/L			07/23/16 17:05	1
Acrylonitrile	ND		10	2.8	ug/L			07/23/16 17:05	1
Benzene	ND		1.0	0.38	ug/L			07/23/16 17:05	1
Bromobenzene	ND		1.0	0.54	ug/L			07/23/16 17:05	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/23/16 17:05	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/23/16 17:05	1
Bromoform	ND		5.0	0.71	ug/L			07/23/16 17:05	1
Bromomethane	ND		1.0	0.98	ug/L			07/23/16 17:05	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/23/16 17:05	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/23/16 17:05	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			07/23/16 17:05	1
Chlorobenzene	ND		1.0	0.50	ug/L			07/23/16 17:05	1
Dibromochloromethane	ND		1.0	0.50	ug/L			07/23/16 17:05	1
Chloroethane	ND		1.0	0.76	ug/L			07/23/16 17:05	1
2-Chloroethyl vinyl ether	ND	*	5.0	2.0	ug/L			07/23/16 17:05	1
Chloroform	ND		1.0	0.60	ug/L			07/23/16 17:05	1
1-Chlorohexane	ND		1.0	0.70	ug/L			07/23/16 17:05	1
Chloromethane	ND		1.0	0.83	ug/L			07/23/16 17:05	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/23/16 17:05	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/23/16 17:05	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/23/16 17:05	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/23/16 17:05	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/23/16 17:05	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/23/16 17:05	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/23/16 17:05	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			07/23/16 17:05	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/23/16 17:05	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/23/16 17:05	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/23/16 17:05	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/23/16 17:05	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			07/23/16 17:05	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/23/16 17:05	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/23/16 17:05	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/23/16 17:05	1
2-Hexanone	ND		25	3.1	ug/L			07/23/16 17:05	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/23/16 17:05	1
Methylene bromide	ND		5.0	0.59	ug/L			07/23/16 17:05	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/23/16 17:05	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/23/16 17:05	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			07/23/16 17:05	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			07/23/16 17:05	1
Naphthalene	ND		1.0	1.0	ug/L			07/23/16 17:05	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/23/16 17:05	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/23/16 17:05	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/23/16 17:05	1
o-Xylene	ND		5.0	0.60	ug/L			07/23/16 17:05	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/23/16 17:05	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/23/16 17:05	1

Client Sample ID: TB-ROX-071316W-8260
Date Collected: 07/13/16 00:00
Date Received: 07/15/16 08:36

Lab Sample ID: 400-124549-2
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			07/23/16 17:05	1
Styrene	ND		1.0	1.0	ug/L			07/23/16 17:05	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/23/16 17:05	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			07/23/16 17:05	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/23/16 17:05	1
Tetrachloroethene	ND		1.0	0.58	ug/L			07/23/16 17:05	1
Toluene	ND		1.0	0.70	ug/L			07/23/16 17:05	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/23/16 17:05	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/23/16 17:05	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			07/23/16 17:05	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/23/16 17:05	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			07/23/16 17:05	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			07/23/16 17:05	1
Trichloroethene	ND		1.0	0.50	ug/L			07/23/16 17:05	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			07/23/16 17:05	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/23/16 17:05	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/23/16 17:05	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/23/16 17:05	1
Vinyl acetate	ND		25	2.0	ug/L			07/23/16 17:05	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/23/16 17:05	1
Xylenes, Total	ND		10	1.6	ug/L			07/23/16 17:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*78 - 118*		*07/23/16 17:05*	*1*
Dibromofluoromethane	*104*		*81 - 121*		*07/23/16 17:05*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*07/23/16 17:05*	*1*

Client Sample ID: P59-ROX-071316
Date Collected: 07/13/16 09:55
Date Received: 07/15/16 08:36

Lab Sample ID: 400-124549-3
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			07/22/16 17:12	25
Acrolein	ND		500	250	ug/L			07/22/16 17:12	25
Acrylonitrile	ND		250	70	ug/L			07/22/16 17:12	25
Benzene	**4200**		25	9.5	ug/L			07/22/16 17:12	25
Bromobenzene	ND		25	14	ug/L			07/22/16 17:12	25
Bromochloromethane	ND		25	13	ug/L			07/22/16 17:12	25
Bromodichloromethane	ND		25	13	ug/L			07/22/16 17:12	25
Bromoform	ND		130	18	ug/L			07/22/16 17:12	25
Bromomethane	ND		25	25	ug/L			07/22/16 17:12	25
2-Butanone (MEK)	ND		630	65	ug/L			07/22/16 17:12	25
Carbon disulfide	ND		25	13	ug/L			07/22/16 17:12	25
Carbon tetrachloride	ND		25	13	ug/L			07/22/16 17:12	25
Chlorobenzene	ND		25	13	ug/L			07/22/16 17:12	25
Dibromochloromethane	ND		25	13	ug/L			07/22/16 17:12	25
Chloroethane	ND		25	19	ug/L			07/22/16 17:12	25
2-Chloroethyl vinyl ether	ND		130	50	ug/L			07/22/16 17:12	25
Chloroform	ND		25	15	ug/L			07/22/16 17:12	25
1-Chlorohexane	ND		25	18	ug/L			07/22/16 17:12	25
Chloromethane	ND		25	21	ug/L			07/22/16 17:12	25
cis-1,2-Dichloroethene	ND		25	13	ug/L			07/22/16 17:12	25
cis-1,3-Dichloropropene	ND		130	13	ug/L			07/22/16 17:12	25
1,2-Dichlorobenzene	ND		25	13	ug/L			07/22/16 17:12	25
1,3-Dichlorobenzene	ND		25	14	ug/L			07/22/16 17:12	25
1,4-Dichlorobenzene	ND		25	16	ug/L			07/22/16 17:12	25
Dichlorodifluoromethane	ND		25	21	ug/L			07/22/16 17:12	25
1,1-Dichloroethane	ND		25	13	ug/L			07/22/16 17:12	25
1,2-Dichloroethane	ND		25	13	ug/L			07/22/16 17:12	25
1,1-Dichloroethene	ND		25	13	ug/L			07/22/16 17:12	25
1,2-Dichloropropane	ND		25	13	ug/L			07/22/16 17:12	25
1,3-Dichloropropane	ND		25	13	ug/L			07/22/16 17:12	25
2,2-Dichloropropane	ND		25	13	ug/L			07/22/16 17:12	25
1,1-Dichloropropene	ND		25	13	ug/L			07/22/16 17:12	25
Ethylbenzene	**1400**		25	13	ug/L			07/22/16 17:12	25
Ethyl methacrylate	ND		25	15	ug/L			07/22/16 17:12	25
Hexachlorobutadiene	ND		130	23	ug/L			07/22/16 17:12	25
2-Hexanone	ND		630	78	ug/L			07/22/16 17:12	25
Isopropylbenzene	**46**		25	13	ug/L			07/22/16 17:12	25
Methylene bromide	ND		130	15	ug/L			07/22/16 17:12	25
Methylene Chloride	ND		130	75	ug/L			07/22/16 17:12	25
4-Methyl-2-pentanone (MIBK)	ND		630	45	ug/L			07/22/16 17:12	25
Methyl tert-butyl ether	ND		25	19	ug/L			07/22/16 17:12	25
m-Xylene & p-Xylene	**2100**		130	40	ug/L			07/22/16 17:12	25
Naphthalene	**180**		25	25	ug/L			07/22/16 17:12	25
n-Butylbenzene	ND		25	19	ug/L			07/22/16 17:12	25
N-Propylbenzene	**59**		25	17	ug/L			07/22/16 17:12	25
o-Chlorotoluene	ND		25	14	ug/L			07/22/16 17:12	25
o-Xylene	**170**		130	15	ug/L			07/22/16 17:12	25
p-Chlorotoluene	ND		25	14	ug/L			07/22/16 17:12	25
p-Isopropyltoluene	ND		25	18	ug/L			07/22/16 17:12	25

Client Sample ID: P59-ROX-071316
Date Collected: 07/13/16 09:55
Date Received: 07/15/16 08:36

Lab Sample ID: 400-124549-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		25	18	ug/L			07/22/16 17:12	25
Styrene	ND		25	25	ug/L			07/22/16 17:12	25
tert-Butylbenzene	ND		25	16	ug/L			07/22/16 17:12	25
1,1,1,2-Tetrachloroethane	ND		25	13	ug/L			07/22/16 17:12	25
1,1,2,2-Tetrachloroethane	ND		25	13	ug/L			07/22/16 17:12	25
Tetrachloroethene	ND		25	15	ug/L			07/22/16 17:12	25
Toluene	**470**		25	18	ug/L			07/22/16 17:12	25
trans-1,2-Dichloroethene	ND		25	13	ug/L			07/22/16 17:12	25
trans-1,3-Dichloropropene	ND		130	13	ug/L			07/22/16 17:12	25
1,2,3-Trichlorobenzene	ND		25	18	ug/L			07/22/16 17:12	25
1,2,4-Trichlorobenzene	ND		25	21	ug/L			07/22/16 17:12	25
1,1,1-Trichloroethane	ND		25	13	ug/L			07/22/16 17:12	25
1,1,2-Trichloroethane	ND		130	13	ug/L			07/22/16 17:12	25
Trichloroethene	ND		25	13	ug/L			07/22/16 17:12	25
Trichlorofluoromethane	ND		25	13	ug/L			07/22/16 17:12	25
1,2,3-Trichloropropane	ND		130	21	ug/L			07/22/16 17:12	25
1,2,4-Trimethylbenzene	**480**		25	21	ug/L			07/22/16 17:12	25
1,3,5-Trimethylbenzene	**160**		25	14	ug/L			07/22/16 17:12	25
Vinyl acetate	ND		630	50	ug/L			07/22/16 17:12	25
Vinyl chloride	ND		25	13	ug/L			07/22/16 17:12	25
Xylenes, Total	**2200**		250	40	ug/L			07/22/16 17:12	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*78 - 118*		*07/22/16 17:12*	*25*
Dibromofluoromethane	*103*		*81 - 121*		*07/22/16 17:12*	*25*
Toluene-d8 (Surr)	*92*		*80 - 120*		*07/22/16 17:12*	*25*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		1.0	0.10	ug/L		07/19/16 17:02	07/22/16 11:29	5
Acenaphthylene	ND		1.0	0.10	ug/L		07/19/16 17:02	07/22/16 11:29	5
Anthracene	ND		1.0	0.10	ug/L		07/19/16 17:02	07/22/16 11:29	5
Benzo[a]anthracene	ND		1.0	0.20	ug/L		07/19/16 17:02	07/22/16 11:29	5
Benzo[a]pyrene	ND		1.0	0.20	ug/L		07/19/16 17:02	07/22/16 11:29	5
Benzo[b]fluoranthene	ND		1.0	0.20	ug/L		07/19/16 17:02	07/22/16 11:29	5
Benzo[g,h,i]perylene	ND		1.0	0.20	ug/L		07/19/16 17:02	07/22/16 11:29	5
Benzo[k]fluoranthene	ND		1.0	0.20	ug/L		07/19/16 17:02	07/22/16 11:29	5
Chrysene	ND		1.0	0.20	ug/L		07/19/16 17:02	07/22/16 11:29	5
Dibenz(a,h)anthracene	ND		1.0	0.20	ug/L		07/19/16 17:02	07/22/16 11:29	5
Fluoranthene	ND		1.0	0.10	ug/L		07/19/16 17:02	07/22/16 11:29	5
Fluorene	ND		1.0	0.11	ug/L		07/19/16 17:02	07/22/16 11:29	5
Indeno[1,2,3-cd]pyrene	ND		1.0	0.20	ug/L		07/19/16 17:02	07/22/16 11:29	5
Phenanthrene	ND		1.0	0.10	ug/L		07/19/16 17:02	07/22/16 11:29	5
Pyrene	ND		1.0	0.10	ug/L		07/19/16 17:02	07/22/16 11:29	5
1-Methylnaphthalene	**18**		1.0	0.10	ug/L		07/19/16 17:02	07/22/16 11:29	5
2-Methylnaphthalene	**21**		1.0	0.10	ug/L		07/19/16 17:02	07/22/16 11:29	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*29*	*X*	*33 - 138*	*07/19/16 17:02*	*07/22/16 11:29*	*5*
2-Fluorobiphenyl	*68*		*15 - 122*	*07/19/16 17:02*	*07/22/16 11:29*	*5*

Client Sample ID: P59-ROX-071316
Date Collected: 07/13/16 09:55
Date Received: 07/15/16 08:36

Lab Sample ID: 400-124549-3
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*	*07/19/16 17:02*	*07/22/16 11:29*	*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		07/19/16 17:02	07/22/16 16:57	1
Benzenethiol	ND		10	1.7	ug/L		07/19/16 17:02	07/22/16 16:57	1
Benzoic acid	ND	*	30	7.3	ug/L		07/19/16 17:02	07/22/16 16:57	1
Benzyl alcohol	ND		10	2.0	ug/L		07/19/16 17:02	07/22/16 16:57	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		07/19/16 17:02	07/22/16 16:57	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		07/19/16 17:02	07/22/16 16:57	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		07/19/16 17:02	07/22/16 16:57	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		07/19/16 17:02	07/22/16 16:57	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		07/19/16 17:02	07/22/16 16:57	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		07/19/16 17:02	07/22/16 16:57	1
4-Chloroaniline	ND		10	3.4	ug/L		07/19/16 17:02	07/22/16 16:57	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		07/19/16 17:02	07/22/16 16:57	1
2-Chloronaphthalene	ND		10	0.52	ug/L		07/19/16 17:02	07/22/16 16:57	1
2-Chlorophenol	ND		10	2.2	ug/L		07/19/16 17:02	07/22/16 16:57	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		07/19/16 17:02	07/22/16 16:57	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		07/19/16 17:02	07/22/16 16:57	1
Dibenzofuran	ND		10	0.52	ug/L		07/19/16 17:02	07/22/16 16:57	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		07/19/16 17:02	07/22/16 16:57	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		07/19/16 17:02	07/22/16 16:57	1
Diethyl phthalate	ND		10	0.70	ug/L		07/19/16 17:02	07/22/16 16:57	1
2,4-Dimethylphenol	63		10	3.5	ug/L		07/19/16 17:02	07/22/16 16:57	1
Dimethyl phthalate	ND		10	0.60	ug/L		07/19/16 17:02	07/22/16 16:57	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		07/19/16 17:02	07/22/16 16:57	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/19/16 17:02	07/22/16 16:57	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		07/19/16 17:02	07/22/16 16:57	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		07/19/16 17:02	07/22/16 16:57	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		07/19/16 17:02	07/22/16 16:57	1
Di-n-octyl phthalate	~~0.79~~ JB 4		10	0.44	ug/L		07/19/16 17:02	07/22/16 16:57	1
1,4-Dioxane	ND		10	1.0	ug/L		07/19/16 17:02	07/22/16 16:57	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		07/19/16 17:02	07/22/16 16:57	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/19/16 17:02	07/22/16 16:57	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		07/19/16 17:02	07/22/16 16:57	1
Hexachloroethane	ND		10	4.2	ug/L		07/19/16 17:02	07/22/16 16:57	1
Indene	ND		10	1.0	ug/L		07/19/16 17:02	07/22/16 16:57	1
Isophorone	ND		10	0.57	ug/L		07/19/16 17:02	07/22/16 16:57	1
2-Methylphenol	ND		10	1.8	ug/L		07/19/16 17:02	07/22/16 16:57	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		07/19/16 17:02	07/22/16 16:57	1
2-Nitroaniline	ND		10	2.2	ug/L		07/19/16 17:02	07/22/16 16:57	1
3-Nitroaniline	ND		10	1.8	ug/L		07/19/16 17:02	07/22/16 16:57	1
4-Nitroaniline	ND		10	2.5	ug/L		07/19/16 17:02	07/22/16 16:57	1
Nitrobenzene	ND		10	0.55	ug/L		07/19/16 17:02	07/22/16 16:57	1
2-Nitrophenol	ND		10	0.65	ug/L		07/19/16 17:02	07/22/16 16:57	1
4-Nitrophenol	ND		10	2.1	ug/L		07/19/16 17:02	07/22/16 16:57	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		07/19/16 17:02	07/22/16 16:57	1

Client Sample ID: P59-ROX-071316
Date Collected: 07/13/16 09:55
Date Received: 07/15/16 08:36

Lab Sample ID: 400-124549-3
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		07/19/16 17:02	07/22/16 16:57	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		07/19/16 17:02	07/22/16 16:57	1
Pentachlorophenol	ND		20	1.8	ug/L		07/19/16 17:02	07/22/16 16:57	1
Phenol	ND		10	2.6	ug/L		07/19/16 17:02	07/22/16 16:57	1
Pyridine	ND	* UJ	10	3.2	ug/L		07/19/16 17:02	07/22/16 16:57	1
Quinoline	ND		10	6.0	ug/L		07/19/16 17:02	07/22/16 16:57	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		07/19/16 17:02	07/22/16 16:57	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		07/19/16 17:02	07/22/16 16:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*56*		*34 - 120*	*07/19/16 17:02*	*07/22/16 16:57*	*1*
2-Fluorophenol	*15*		*10 - 120*	*07/19/16 17:02*	*07/22/16 16:57*	*1*
Nitrobenzene-d5	*70*		*27 - 120*	*07/19/16 17:02*	*07/22/16 16:57*	*1*
Phenol-d5	*79*		*10 - 120*	*07/19/16 17:02*	*07/22/16 16:57*	*1*
Terphenyl-d14	*28*	*X*	*53 - 125*	*07/19/16 17:02*	*07/22/16 16:57*	*1*
2,4,6-Tribromophenol	*101*		*15 - 135*	*07/19/16 17:02*	*07/22/16 16:57*	*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	0.0054	ug/L		07/24/16 10:51	07/25/16 13:33	1
1,2-Dibromoethane	ND		0.020	0.0049	ug/L		07/24/16 10:51	07/25/16 13:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*84*	*p*	*51 - 149*	*07/24/16 10:51*	*07/25/16 13:33*	*1*

Client Sample ID: P57-ROX-071316
Date Collected: 07/13/16 11:10
Date Received: 07/15/16 08:36

Lab Sample ID: 400-124549-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		13000	5000	ug/L			07/22/16 11:35	500
Acrolein	ND		10000	5000	ug/L			07/22/16 11:35	500
Acrylonitrile	ND		5000	1400	ug/L			07/22/16 11:35	500
Benzene	**70000**		500	190	ug/L			07/22/16 11:35	500
Bromobenzene	ND		500	270	ug/L			07/22/16 11:35	500
Bromochloromethane	ND		500	260	ug/L			07/22/16 11:35	500
Bromodichloromethane	ND		500	250	ug/L			07/22/16 11:35	500
Bromoform	ND		2500	360	ug/L			07/22/16 11:35	500
Bromomethane	ND		500	490	ug/L			07/22/16 11:35	500
2-Butanone (MEK)	ND		13000	1300	ug/L			07/22/16 11:35	500
Carbon disulfide	ND		500	250	ug/L			07/22/16 11:35	500
Carbon tetrachloride	ND		500	250	ug/L			07/22/16 11:35	500
Chlorobenzene	ND		500	250	ug/L			07/22/16 11:35	500
Dibromochloromethane	ND		500	250	ug/L			07/22/16 11:35	500
Chloroethane	ND		500	380	ug/L			07/22/16 11:35	500
2-Chloroethyl vinyl ether	ND		2500	1000	ug/L			07/22/16 11:35	500
Chloroform	ND		500	300	ug/L			07/22/16 11:35	500
1-Chlorohexane	ND		500	350	ug/L			07/22/16 11:35	500
Chloromethane	ND		500	420	ug/L			07/22/16 11:35	500
cis-1,2-Dichloroethene	ND		500	250	ug/L			07/22/16 11:35	500
cis-1,3-Dichloropropene	ND		2500	250	ug/L			07/22/16 11:35	500
1,2-Dichlorobenzene	ND		500	250	ug/L			07/22/16 11:35	500
1,3-Dichlorobenzene	ND		500	270	ug/L			07/22/16 11:35	500
1,4-Dichlorobenzene	ND		500	320	ug/L			07/22/16 11:35	500
Dichlorodifluoromethane	ND		500	430	ug/L			07/22/16 11:35	500
1,1-Dichloroethane	ND		500	250	ug/L			07/22/16 11:35	500
1,2-Dichloroethane	ND		500	250	ug/L			07/22/16 11:35	500
1,1-Dichloroethene	ND		500	250	ug/L			07/22/16 11:35	500
1,2-Dichloropropane	ND		500	250	ug/L			07/22/16 11:35	500
1,3-Dichloropropane	ND		500	250	ug/L			07/22/16 11:35	500
2,2-Dichloropropane	ND		500	250	ug/L			07/22/16 11:35	500
1,1-Dichloropropene	ND		500	250	ug/L			07/22/16 11:35	500
Ethylbenzene	**570**		500	250	ug/L			07/22/16 11:35	500
Ethyl methacrylate	ND		500	300	ug/L			07/22/16 11:35	500
Hexachlorobutadiene	ND		2500	450	ug/L			07/22/16 11:35	500
2-Hexanone	ND		13000	1600	ug/L			07/22/16 11:35	500
Isopropylbenzene	ND		500	270	ug/L			07/22/16 11:35	500
Methylene bromide	ND		2500	300	ug/L			07/22/16 11:35	500
Methylene Chloride	ND		2500	1500	ug/L			07/22/16 11:35	500
4-Methyl-2-pentanone (MIBK)	ND		13000	900	ug/L			07/22/16 11:35	500
Methyl tert-butyl ether	ND		500	370	ug/L			07/22/16 11:35	500
m-Xylene & p-Xylene	ND		2500	800	ug/L			07/22/16 11:35	500
Naphthalene	ND		500	500	ug/L			07/22/16 11:35	500
n-Butylbenzene	ND		500	380	ug/L			07/22/16 11:35	500
N-Propylbenzene	ND		500	350	ug/L			07/22/16 11:35	500
o-Chlorotoluene	ND		500	290	ug/L			07/22/16 11:35	500
o-Xylene	ND		2500	300	ug/L			07/22/16 11:35	500
p-Chlorotoluene	ND		500	280	ug/L			07/22/16 11:35	500
p-Isopropyltoluene	ND		500	360	ug/L			07/22/16 11:35	500

Client Sample ID: P57-ROX-071316
Date Collected: 07/13/16 11:10
Date Received: 07/15/16 08:36

Lab Sample ID: 400-124549-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		500	350	ug/L			07/22/16 11:35	500
Styrene	ND		500	500	ug/L			07/22/16 11:35	500
tert-Butylbenzene	ND		500	320	ug/L			07/22/16 11:35	500
1,1,1,2-Tetrachloroethane	ND		500	260	ug/L			07/22/16 11:35	500
1,1,2,2-Tetrachloroethane	ND		500	250	ug/L			07/22/16 11:35	500
Tetrachloroethene	ND		500	290	ug/L			07/22/16 11:35	500
Toluene	ND		500	350	ug/L			07/22/16 11:35	500
trans-1,2-Dichloroethene	ND		500	250	ug/L			07/22/16 11:35	500
trans-1,3-Dichloropropene	ND		2500	250	ug/L			07/22/16 11:35	500
1,2,3-Trichlorobenzene	ND		500	350	ug/L			07/22/16 11:35	500
1,2,4-Trichlorobenzene	ND		500	410	ug/L			07/22/16 11:35	500
1,1,1-Trichloroethane	ND		500	250	ug/L			07/22/16 11:35	500
1,1,2-Trichloroethane	ND		2500	250	ug/L			07/22/16 11:35	500
Trichloroethene	ND		500	250	ug/L			07/22/16 11:35	500
Trichlorofluoromethane	ND		500	260	ug/L			07/22/16 11:35	500
1,2,3-Trichloropropane	ND		2500	420	ug/L			07/22/16 11:35	500
1,2,4-Trimethylbenzene	ND		500	410	ug/L			07/22/16 11:35	500
1,3,5-Trimethylbenzene	ND		500	280	ug/L			07/22/16 11:35	500
Vinyl acetate	ND		13000	1000	ug/L			07/22/16 11:35	500
Vinyl chloride	ND		500	250	ug/L			07/22/16 11:35	500
Xylenes, Total	ND		5000	800	ug/L			07/22/16 11:35	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*78 - 118*		*07/22/16 11:35*	*500*
Dibromofluoromethane	*111*		*81 - 121*		*07/22/16 11:35*	*500*
Toluene-d8 (Surr)	*92*		*80 - 120*		*07/22/16 11:35*	*500*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.41**	J	1.0	0.10	ug/L		07/19/16 17:02	07/22/16 11:52	5
Acenaphthylene	ND		1.0	0.10	ug/L		07/19/16 17:02	07/22/16 11:52	5
Anthracene	ND		1.0	0.10	ug/L		07/19/16 17:02	07/22/16 11:52	5
Benzo[a]anthracene	ND		1.0	0.20	ug/L		07/19/16 17:02	07/22/16 11:52	5
Benzo[a]pyrene	ND		1.0	0.20	ug/L		07/19/16 17:02	07/22/16 11:52	5
Benzo[b]fluoranthene	ND		1.0	0.20	ug/L		07/19/16 17:02	07/22/16 11:52	5
Benzo[g,h,i]perylene	ND		1.0	0.20	ug/L		07/19/16 17:02	07/22/16 11:52	5
Benzo[k]fluoranthene	ND		1.0	0.20	ug/L		07/19/16 17:02	07/22/16 11:52	5
Chrysene	ND		1.0	0.20	ug/L		07/19/16 17:02	07/22/16 11:52	5
Dibenz(a,h)anthracene	ND		1.0	0.20	ug/L		07/19/16 17:02	07/22/16 11:52	5
Fluoranthene	ND		1.0	0.10	ug/L		07/19/16 17:02	07/22/16 11:52	5
Fluorene	**0.53**	J	1.0	0.11	ug/L		07/19/16 17:02	07/22/16 11:52	5
Indeno[1,2,3-cd]pyrene	ND		1.0	0.20	ug/L		07/19/16 17:02	07/22/16 11:52	5
Phenanthrene	**0.53**	J	1.0	0.10	ug/L		07/19/16 17:02	07/22/16 11:52	5
Pyrene	ND		1.0	0.10	ug/L		07/19/16 17:02	07/22/16 11:52	5
1-Methylnaphthalene	**26**		1.0	0.10	ug/L		07/19/16 17:02	07/22/16 11:52	5
2-Methylnaphthalene	**36**		1.0	0.10	ug/L		07/19/16 17:02	07/22/16 11:52	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*38*		*33 - 138*	*07/19/16 17:02*	*07/22/16 11:52*	*5*
2-Fluorobiphenyl	*57*		*15 - 122*	*07/19/16 17:02*	*07/22/16 11:52*	*5*

Client Sample ID: P57-ROX-071316
Date Collected: 07/13/16 11:10
Date Received: 07/15/16 08:36

Lab Sample ID: 400-124549-4
Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*54*		*19 - 130*	*07/19/16 17:02*	*07/22/16 11:52*	*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		07/19/16 17:02	07/22/16 17:28	1
Benzenethiol	ND		10	1.7	ug/L		07/19/16 17:02	07/22/16 17:28	1
Benzoic acid	ND	*	30	7.3	ug/L		07/19/16 17:02	07/22/16 17:28	1
Benzyl alcohol	ND		10	2.0	ug/L		07/19/16 17:02	07/22/16 17:28	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		07/19/16 17:02	07/22/16 17:28	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		07/19/16 17:02	07/22/16 17:28	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		07/19/16 17:02	07/22/16 17:28	1
Bis(2-ethylhexyl) phthalate	**38**		10	2.3	ug/L		07/19/16 17:02	07/22/16 17:28	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		07/19/16 17:02	07/22/16 17:28	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		07/19/16 17:02	07/22/16 17:28	1
4-Chloroaniline	ND		10	3.4	ug/L		07/19/16 17:02	07/22/16 17:28	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		07/19/16 17:02	07/22/16 17:28	1
2-Chloronaphthalene	ND		10	0.52	ug/L		07/19/16 17:02	07/22/16 17:28	1
2-Chlorophenol	ND		10	2.2	ug/L		07/19/16 17:02	07/22/16 17:28	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		07/19/16 17:02	07/22/16 17:28	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		07/19/16 17:02	07/22/16 17:28	1
Dibenzofuran	ND		10	0.52	ug/L		07/19/16 17:02	07/22/16 17:28	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		07/19/16 17:02	07/22/16 17:28	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		07/19/16 17:02	07/22/16 17:28	1
Diethyl phthalate	ND		10	0.70	ug/L		07/19/16 17:02	07/22/16 17:28	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		07/19/16 17:02	07/22/16 17:28	1
Dimethyl phthalate	ND		10	0.60	ug/L		07/19/16 17:02	07/22/16 17:28	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		07/19/16 17:02	07/22/16 17:28	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/19/16 17:02	07/22/16 17:28	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		07/19/16 17:02	07/22/16 17:28	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		07/19/16 17:02	07/22/16 17:28	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		07/19/16 17:02	07/22/16 17:28	1
Di-n-octyl phthalate	~~0.69~~	J B	10	0.44	ug/L		07/19/16 17:02	07/22/16 17:28	1
1,4-Dioxane	ND		10	1.0	ug/L		07/19/16 17:02	07/22/16 17:28	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		07/19/16 17:02	07/22/16 17:28	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/19/16 17:02	07/22/16 17:28	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		07/19/16 17:02	07/22/16 17:28	1
Hexachloroethane	ND		10	4.2	ug/L		07/19/16 17:02	07/22/16 17:28	1
Indene	ND		10	1.0	ug/L		07/19/16 17:02	07/22/16 17:28	1
Isophorone	ND		10	0.57	ug/L		07/19/16 17:02	07/22/16 17:28	1
2-Methylphenol	ND		10	1.8	ug/L		07/19/16 17:02	07/22/16 17:28	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		07/19/16 17:02	07/22/16 17:28	1
2-Nitroaniline	ND		10	2.2	ug/L		07/19/16 17:02	07/22/16 17:28	1
3-Nitroaniline	ND		10	1.8	ug/L		07/19/16 17:02	07/22/16 17:28	1
4-Nitroaniline	ND		10	2.5	ug/L		07/19/16 17:02	07/22/16 17:28	1
Nitrobenzene	ND		10	0.55	ug/L		07/19/16 17:02	07/22/16 17:28	1
2-Nitrophenol	ND		10	0.65	ug/L		07/19/16 17:02	07/22/16 17:28	1
4-Nitrophenol	ND		10	2.1	ug/L		07/19/16 17:02	07/22/16 17:28	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		07/19/16 17:02	07/22/16 17:28	1

Client Sample ID: P57-ROX-071316
Date Collected: 07/13/16 11:10
Date Received: 07/15/16 08:36

Lab Sample ID: 400-124549-4
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		07/19/16 17:02	07/22/16 17:28	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		07/19/16 17:02	07/22/16 17:28	1
Pentachlorophenol	ND		20	1.8	ug/L		07/19/16 17:02	07/22/16 17:28	1
Phenol	730		100	26	ug/L		07/19/16 17:02	07/28/16 14:28	10
Pyridine	ND	* UJ	10	3.2	ug/L		07/19/16 17:02	07/22/16 17:28	1
Quinoline	ND		10	6.0	ug/L		07/19/16 17:02	07/22/16 17:28	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		07/19/16 17:02	07/22/16 17:28	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		07/19/16 17:02	07/22/16 17:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*56*		*34 - 120*	*07/19/16 17:02*	*07/22/16 17:28*	*1*
2-Fluorophenol	*32*		*10 - 120*	*07/19/16 17:02*	*07/22/16 17:28*	*1*
Nitrobenzene-d5	*47*		*27 - 120*	*07/19/16 17:02*	*07/22/16 17:28*	*1*
Phenol-d5	*40*		*10 - 120*	*07/19/16 17:02*	*07/22/16 17:28*	*1*
Terphenyl-d14	*35*	*X*	*53 - 125*	*07/19/16 17:02*	*07/22/16 17:28*	*1*
2,4,6-Tribromophenol	*62*		*15 - 135*	*07/19/16 17:02*	*07/22/16 17:28*	*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		0.029	0.0053	ug/L		07/24/16 10:51	07/25/16 14:03	1
1,2-Dibromoethane	ND		0.019	0.0048	ug/L		07/24/16 10:51	07/25/16 14:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*83*		*51 - 149*	*07/24/16 10:51*	*07/25/16 14:03*	*1*

Client Sample ID: P93A-ROX-071316

Date Collected: 07/13/16 14:20
Date Received: 07/15/16 08:36

Lab Sample ID: 400-124549-5

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			07/22/16 10:47	100
Acrolein	ND		2000	1000	ug/L			07/22/16 10:47	100
Acrylonitrile	ND		1000	280	ug/L			07/22/16 10:47	100
Benzene	**18000**		100	38	ug/L			07/22/16 10:47	100
Bromobenzene	ND		100	54	ug/L			07/22/16 10:47	100
Bromochloromethane	ND		100	52	ug/L			07/22/16 10:47	100
Bromodichloromethane	ND		100	50	ug/L			07/22/16 10:47	100
Bromoform	ND		500	71	ug/L			07/22/16 10:47	100
Bromomethane	ND		100	98	ug/L			07/22/16 10:47	100
2-Butanone (MEK)	ND		2500	260	ug/L			07/22/16 10:47	100
Carbon disulfide	ND		100	50	ug/L			07/22/16 10:47	100
Carbon tetrachloride	ND		100	50	ug/L			07/22/16 10:47	100
Chlorobenzene	ND		100	50	ug/L			07/22/16 10:47	100
Dibromochloromethane	ND		100	50	ug/L			07/22/16 10:47	100
Chloroethane	ND		100	76	ug/L			07/22/16 10:47	100
2-Chloroethyl vinyl ether	ND		500	200	ug/L			07/22/16 10:47	100
Chloroform	ND		100	60	ug/L			07/22/16 10:47	100
1-Chlorohexane	ND		100	70	ug/L			07/22/16 10:47	100
Chloromethane	ND		100	83	ug/L			07/22/16 10:47	100
cis-1,2-Dichloroethene	ND		100	50	ug/L			07/22/16 10:47	100
cis-1,3-Dichloropropene	ND		500	50	ug/L			07/22/16 10:47	100
1,2-Dichlorobenzene	ND		100	50	ug/L			07/22/16 10:47	100
1,3-Dichlorobenzene	ND		100	54	ug/L			07/22/16 10:47	100
1,4-Dichlorobenzene	ND		100	64	ug/L			07/22/16 10:47	100
Dichlorodifluoromethane	ND		100	85	ug/L			07/22/16 10:47	100
1,1-Dichloroethane	ND		100	50	ug/L			07/22/16 10:47	100
1,2-Dichloroethane	ND		100	50	ug/L			07/22/16 10:47	100
1,1-Dichloroethene	ND		100	50	ug/L			07/22/16 10:47	100
1,2-Dichloropropane	ND		100	50	ug/L			07/22/16 10:47	100
1,3-Dichloropropane	ND		100	50	ug/L			07/22/16 10:47	100
2,2-Dichloropropane	ND		100	50	ug/L			07/22/16 10:47	100
1,1-Dichloropropene	ND		100	50	ug/L			07/22/16 10:47	100
Ethylbenzene	ND		100	50	ug/L			07/22/16 10:47	100
Ethyl methacrylate	ND		100	60	ug/L			07/22/16 10:47	100
Hexachlorobutadiene	ND		500	90	ug/L			07/22/16 10:47	100
2-Hexanone	ND		2500	310	ug/L			07/22/16 10:47	100
Isopropylbenzene	ND		100	53	ug/L			07/22/16 10:47	100
Methylene bromide	ND		500	59	ug/L			07/22/16 10:47	100
Methylene Chloride	ND		500	300	ug/L			07/22/16 10:47	100
4-Methyl-2-pentanone (MIBK)	ND		2500	180	ug/L			07/22/16 10:47	100
Methyl tert-butyl ether	ND		100	74	ug/L			07/22/16 10:47	100
m-Xylene & p-Xylene	ND		500	160	ug/L			07/22/16 10:47	100
Naphthalene	ND		100	100	ug/L			07/22/16 10:47	100
n-Butylbenzene	ND		100	76	ug/L			07/22/16 10:47	100
N-Propylbenzene	ND		100	69	ug/L			07/22/16 10:47	100
o-Chlorotoluene	ND		100	57	ug/L			07/22/16 10:47	100
o-Xylene	ND		500	60	ug/L			07/22/16 10:47	100
p-Chlorotoluene	ND		100	56	ug/L			07/22/16 10:47	100
p-Isopropyltoluene	ND		100	71	ug/L			07/22/16 10:47	100

Client Sample ID: P93A-ROX-071316
Date Collected: 07/13/16 14:20
Date Received: 07/15/16 08:36

Lab Sample ID: 400-124549-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		100	70	ug/L			07/22/16 10:47	100
Styrene	ND		100	100	ug/L			07/22/16 10:47	100
tert-Butylbenzene	ND		100	63	ug/L			07/22/16 10:47	100
1,1,1,2-Tetrachloroethane	ND		100	52	ug/L			07/22/16 10:47	100
1,1,2,2-Tetrachloroethane	ND		100	50	ug/L			07/22/16 10:47	100
Tetrachloroethene	ND		100	58	ug/L			07/22/16 10:47	100
Toluene	ND		100	70	ug/L			07/22/16 10:47	100
trans-1,2-Dichloroethene	ND		100	50	ug/L			07/22/16 10:47	100
trans-1,3-Dichloropropene	ND		500	50	ug/L			07/22/16 10:47	100
1,2,3-Trichlorobenzene	ND		100	70	ug/L			07/22/16 10:47	100
1,2,4-Trichlorobenzene	ND		100	82	ug/L			07/22/16 10:47	100
1,1,1-Trichloroethane	ND		100	50	ug/L			07/22/16 10:47	100
1,1,2-Trichloroethane	ND		500	50	ug/L			07/22/16 10:47	100
Trichloroethene	ND		100	50	ug/L			07/22/16 10:47	100
Trichlorofluoromethane	ND		100	52	ug/L			07/22/16 10:47	100
1,2,3-Trichloropropane	ND		500	84	ug/L			07/22/16 10:47	100
1,2,4-Trimethylbenzene	ND		100	82	ug/L			07/22/16 10:47	100
1,3,5-Trimethylbenzene	ND		100	56	ug/L			07/22/16 10:47	100
Vinyl acetate	ND		2500	200	ug/L			07/22/16 10:47	100
Vinyl chloride	ND		100	50	ug/L			07/22/16 10:47	100
Xylenes, Total	ND		1000	160	ug/L			07/22/16 10:47	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*78 - 118*		*07/22/16 10:47*	*100*
Dibromofluoromethane	*109*		*81 - 121*		*07/22/16 10:47*	*100*
Toluene-d8 (Surr)	*92*		*80 - 120*		*07/22/16 10:47*	*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		07/19/16 17:02	07/21/16 10:30	1
Acenaphthylene	ND		0.20	0.020	ug/L		07/19/16 17:02	07/21/16 10:30	1
Anthracene	ND		0.20	0.020	ug/L		07/19/16 17:02	07/21/16 10:30	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/19/16 17:02	07/21/16 10:30	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		07/19/16 17:02	07/21/16 10:30	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		07/19/16 17:02	07/21/16 10:30	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		07/19/16 17:02	07/21/16 10:30	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/19/16 17:02	07/21/16 10:30	1
Chrysene	ND		0.20	0.040	ug/L		07/19/16 17:02	07/21/16 10:30	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		07/19/16 17:02	07/21/16 10:30	1
Fluoranthene	ND		0.20	0.020	ug/L		07/19/16 17:02	07/21/16 10:30	1
Fluorene	ND		0.20	0.021	ug/L		07/19/16 17:02	07/21/16 10:30	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		07/19/16 17:02	07/21/16 10:30	1
Phenanthrene	ND		0.20	0.020	ug/L		07/19/16 17:02	07/21/16 10:30	1
Pyrene	ND		0.20	0.020	ug/L		07/19/16 17:02	07/21/16 10:30	1
1-Methylnaphthalene	**0.22**		0.20	0.020	ug/L		07/19/16 17:02	07/21/16 10:30	1
2-Methylnaphthalene	**0.10**	J	0.20	0.020	ug/L		07/19/16 17:02	07/21/16 10:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*35*		*33 - 138*	*07/19/16 17:02*	*07/21/16 10:30*	*1*
2-Fluorobiphenyl	*50*		*15 - 122*	*07/19/16 17:02*	*07/21/16 10:30*	*1*

Client Sample ID: P93A-ROX-071316
Date Collected: 07/13/16 14:20
Date Received: 07/15/16 08:36

Lab Sample ID: 400-124549-5
Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	47		19 - 130	07/19/16 17:02	07/21/16 10:30	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		07/19/16 17:02	07/22/16 17:59	1
Benzenethiol	ND		10	1.7	ug/L		07/19/16 17:02	07/22/16 17:59	1
Benzoic acid	ND	*	30	7.3	ug/L		07/19/16 17:02	07/22/16 17:59	1
Benzyl alcohol	ND		10	2.0	ug/L		07/19/16 17:02	07/22/16 17:59	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		07/19/16 17:02	07/22/16 17:59	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		07/19/16 17:02	07/22/16 17:59	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		07/19/16 17:02	07/22/16 17:59	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		07/19/16 17:02	07/22/16 17:59	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		07/19/16 17:02	07/22/16 17:59	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		07/19/16 17:02	07/22/16 17:59	1
4-Chloroaniline	ND		10	3.4	ug/L		07/19/16 17:02	07/22/16 17:59	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		07/19/16 17:02	07/22/16 17:59	1
2-Chloronaphthalene	ND		10	0.52	ug/L		07/19/16 17:02	07/22/16 17:59	1
2-Chlorophenol	ND		10	2.2	ug/L		07/19/16 17:02	07/22/16 17:59	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		07/19/16 17:02	07/22/16 17:59	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		07/19/16 17:02	07/22/16 17:59	1
Dibenzofuran	ND		10	0.52	ug/L		07/19/16 17:02	07/22/16 17:59	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		07/19/16 17:02	07/22/16 17:59	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		07/19/16 17:02	07/22/16 17:59	1
Diethyl phthalate	ND		10	0.70	ug/L		07/19/16 17:02	07/22/16 17:59	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		07/19/16 17:02	07/22/16 17:59	1
Dimethyl phthalate	ND		10	0.60	ug/L		07/19/16 17:02	07/22/16 17:59	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		07/19/16 17:02	07/22/16 17:59	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/19/16 17:02	07/22/16 17:59	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		07/19/16 17:02	07/22/16 17:59	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		07/19/16 17:02	07/22/16 17:59	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		07/19/16 17:02	07/22/16 17:59	1
Di-n-octyl phthalate	~~12~~ JB		10	0.44	ug/L		07/19/16 17:02	07/22/16 17:59	1
1,4-Dioxane	ND		10	1.0	ug/L		07/19/16 17:02	07/22/16 17:59	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		07/19/16 17:02	07/22/16 17:59	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/19/16 17:02	07/22/16 17:59	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		07/19/16 17:02	07/22/16 17:59	1
Hexachloroethane	ND		10	4.2	ug/L		07/19/16 17:02	07/22/16 17:59	1
Indene	ND		10	1.0	ug/L		07/19/16 17:02	07/22/16 17:59	1
Isophorone	ND		10	0.57	ug/L		07/19/16 17:02	07/22/16 17:59	1
2-Methylphenol	ND		10	1.8	ug/L		07/19/16 17:02	07/22/16 17:59	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		07/19/16 17:02	07/22/16 17:59	1
2-Nitroaniline	ND		10	2.2	ug/L		07/19/16 17:02	07/22/16 17:59	1
3-Nitroaniline	ND		10	1.8	ug/L		07/19/16 17:02	07/22/16 17:59	1
4-Nitroaniline	ND		10	2.5	ug/L		07/19/16 17:02	07/22/16 17:59	1
Nitrobenzene	ND		10	0.55	ug/L		07/19/16 17:02	07/22/16 17:59	1
2-Nitrophenol	ND		10	0.65	ug/L		07/19/16 17:02	07/22/16 17:59	1
4-Nitrophenol	ND		10	2.1	ug/L		07/19/16 17:02	07/22/16 17:59	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		07/19/16 17:02	07/22/16 17:59	1

Client Sample ID: P93A-ROX-071316
Date Collected: 07/13/16 14:20
Date Received: 07/15/16 08:36

Lab Sample ID: 400-124549-5
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		07/19/16 17:02	07/22/16 17:59	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		07/19/16 17:02	07/22/16 17:59	1
Pentachlorophenol	ND		20	1.8	ug/L		07/19/16 17:02	07/22/16 17:59	1
Phenol	5.1	J	10	2.6	ug/L		07/19/16 17:02	07/22/16 17:59	1
Pyridine	ND	* UJ	10	3.2	ug/L		07/19/16 17:02	07/22/16 17:59	1
Quinoline	ND		10	6.0	ug/L		07/19/16 17:02	07/22/16 17:59	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		07/19/16 17:02	07/22/16 17:59	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		07/19/16 17:02	07/22/16 17:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*55*		*34 - 120*	*07/19/16 17:02*	*07/22/16 17:59*	*1*
2-Fluorophenol	*52*		*10 - 120*	*07/19/16 17:02*	*07/22/16 17:59*	*1*
Nitrobenzene-d5	*61*		*27 - 120*	*07/19/16 17:02*	*07/22/16 17:59*	*1*
Phenol-d5	*55*		*10 - 120*	*07/19/16 17:02*	*07/22/16 17:59*	*1*
Terphenyl-d14	*41*	*X*	*53 - 125*	*07/19/16 17:02*	*07/22/16 17:59*	*1*
2,4,6-Tribromophenol	*58*		*15 - 135*	*07/19/16 17:02*	*07/22/16 17:59*	*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		07/24/16 10:51	07/25/16 15:03	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		07/24/16 10:51	07/25/16 15:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*86*		*51 - 149*	*07/24/16 10:51*	*07/25/16 15:03*	*1*

Client Sample ID: P93A-ROX-071316-DUP

Lab Sample ID: 400-124549-6

Date Collected: 07/13/16 14:20
Matrix: Water
Date Received: 07/15/16 08:36

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		2500	1000	ug/L			07/22/16 11:11	100
Acrolein	ND		2000	1000	ug/L			07/22/16 11:11	100
Acrylonitrile	ND		1000	280	ug/L			07/22/16 11:11	100
Benzene	**20000**		100	38	ug/L			07/22/16 11:11	100
Bromobenzene	ND		100	54	ug/L			07/22/16 11:11	100
Bromochloromethane	ND		100	52	ug/L			07/22/16 11:11	100
Bromodichloromethane	ND		100	50	ug/L			07/22/16 11:11	100
Bromoform	ND		500	71	ug/L			07/22/16 11:11	100
Bromomethane	ND		100	98	ug/L			07/22/16 11:11	100
2-Butanone (MEK)	ND		2500	260	ug/L			07/22/16 11:11	100
Carbon disulfide	ND		100	50	ug/L			07/22/16 11:11	100
Carbon tetrachloride	ND		100	50	ug/L			07/22/16 11:11	100
Chlorobenzene	ND		100	50	ug/L			07/22/16 11:11	100
Dibromochloromethane	ND		100	50	ug/L			07/22/16 11:11	100
Chloroethane	ND		100	76	ug/L			07/22/16 11:11	100
2-Chloroethyl vinyl ether	ND		500	200	ug/L			07/22/16 11:11	100
Chloroform	ND		100	60	ug/L			07/22/16 11:11	100
1-Chlorohexane	ND		100	70	ug/L			07/22/16 11:11	100
Chloromethane	ND		100	83	ug/L			07/22/16 11:11	100
cis-1,2-Dichloroethene	ND		100	50	ug/L			07/22/16 11:11	100
cis-1,3-Dichloropropene	ND		500	50	ug/L			07/22/16 11:11	100
1,2-Dichlorobenzene	ND		100	50	ug/L			07/22/16 11:11	100
1,3-Dichlorobenzene	ND		100	54	ug/L			07/22/16 11:11	100
1,4-Dichlorobenzene	ND		100	64	ug/L			07/22/16 11:11	100
Dichlorodifluoromethane	ND		100	85	ug/L			07/22/16 11:11	100
1,1-Dichloroethane	ND		100	50	ug/L			07/22/16 11:11	100
1,2-Dichloroethane	ND		100	50	ug/L			07/22/16 11:11	100
1,1-Dichloroethene	ND		100	50	ug/L			07/22/16 11:11	100
1,2-Dichloropropane	ND		100	50	ug/L			07/22/16 11:11	100
1,3-Dichloropropane	ND		100	50	ug/L			07/22/16 11:11	100
2,2-Dichloropropane	ND		100	50	ug/L			07/22/16 11:11	100
1,1-Dichloropropene	ND		100	50	ug/L			07/22/16 11:11	100
Ethylbenzene	ND		100	50	ug/L			07/22/16 11:11	100
Ethyl methacrylate	ND		100	60	ug/L			07/22/16 11:11	100
Hexachlorobutadiene	ND		500	90	ug/L			07/22/16 11:11	100
2-Hexanone	ND		2500	310	ug/L			07/22/16 11:11	100
Isopropylbenzene	ND		100	53	ug/L			07/22/16 11:11	100
Methylene bromide	ND		500	59	ug/L			07/22/16 11:11	100
Methylene Chloride	ND		500	300	ug/L			07/22/16 11:11	100
4-Methyl-2-pentanone (MIBK)	ND		2500	180	ug/L			07/22/16 11:11	100
Methyl tert-butyl ether	ND		100	74	ug/L			07/22/16 11:11	100
m-Xylene & p-Xylene	ND		500	160	ug/L			07/22/16 11:11	100
Naphthalene	ND		100	100	ug/L			07/22/16 11:11	100
n-Butylbenzene	ND		100	76	ug/L			07/22/16 11:11	100
N-Propylbenzene	ND		100	69	ug/L			07/22/16 11:11	100
o-Chlorotoluene	ND		100	57	ug/L			07/22/16 11:11	100
o-Xylene	ND		500	60	ug/L			07/22/16 11:11	100
p-Chlorotoluene	ND		100	56	ug/L			07/22/16 11:11	100
p-Isopropyltoluene	ND		100	71	ug/L			07/22/16 11:11	100

Client Sample ID: P93A-ROX-071316-DUP
Lab Sample ID: 400-124549-6
Date Collected: 07/13/16 14:20
Matrix: Water
Date Received: 07/15/16 08:36

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			07/22/16 11:11	100
Styrene	ND		100	100	ug/L			07/22/16 11:11	100
tert-Butylbenzene	ND		100	63	ug/L			07/22/16 11:11	100
1,1,1,2-Tetrachloroethane	ND		100	52	ug/L			07/22/16 11:11	100
1,1,2,2-Tetrachloroethane	ND		100	50	ug/L			07/22/16 11:11	100
Tetrachloroethene	ND		100	58	ug/L			07/22/16 11:11	100
Toluene	ND		100	70	ug/L			07/22/16 11:11	100
trans-1,2-Dichloroethene	ND		100	50	ug/L			07/22/16 11:11	100
trans-1,3-Dichloropropene	ND		500	50	ug/L			07/22/16 11:11	100
1,2,3-Trichlorobenzene	ND		100	70	ug/L			07/22/16 11:11	100
1,2,4-Trichlorobenzene	ND		100	82	ug/L			07/22/16 11:11	100
1,1,1-Trichloroethane	ND		100	50	ug/L			07/22/16 11:11	100
1,1,2-Trichloroethane	ND		500	50	ug/L			07/22/16 11:11	100
Trichloroethene	ND		100	50	ug/L			07/22/16 11:11	100
Trichlorofluoromethane	ND		100	52	ug/L			07/22/16 11:11	100
1,2,3-Trichloropropane	ND		500	84	ug/L			07/22/16 11:11	100
1,2,4-Trimethylbenzene	ND		100	82	ug/L			07/22/16 11:11	100
1,3,5-Trimethylbenzene	ND		100	56	ug/L			07/22/16 11:11	100
Vinyl acetate	ND		2500	200	ug/L			07/22/16 11:11	100
Vinyl chloride	ND		100	50	ug/L			07/22/16 11:11	100
Xylenes, Total	ND		1000	160	ug/L			07/22/16 11:11	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*78 - 118*		*07/22/16 11:11*	*100*
Dibromofluoromethane	*110*		*81 - 121*		*07/22/16 11:11*	*100*
Toluene-d8 (Surr)	*93*		*80 - 120*		*07/22/16 11:11*	*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		07/19/16 17:02	07/21/16 10:53	1
Acenaphthylene	ND		0.20	0.020	ug/L		07/19/16 17:02	07/21/16 10:53	1
Anthracene	ND		0.20	0.020	ug/L		07/19/16 17:02	07/21/16 10:53	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/19/16 17:02	07/21/16 10:53	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		07/19/16 17:02	07/21/16 10:53	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		07/19/16 17:02	07/21/16 10:53	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		07/19/16 17:02	07/21/16 10:53	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/19/16 17:02	07/21/16 10:53	1
Chrysene	ND		0.20	0.040	ug/L		07/19/16 17:02	07/21/16 10:53	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		07/19/16 17:02	07/21/16 10:53	1
Fluoranthene	ND		0.20	0.020	ug/L		07/19/16 17:02	07/21/16 10:53	1
Fluorene	**0.070**	**J**	0.20	0.021	ug/L		07/19/16 17:02	07/21/16 10:53	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		07/19/16 17:02	07/21/16 10:53	1
Phenanthrene	ND		0.20	0.020	ug/L		07/19/16 17:02	07/21/16 10:53	1
Pyrene	ND		0.20	0.020	ug/L		07/19/16 17:02	07/21/16 10:53	1
1-Methylnaphthalene	**0.25**		0.20	0.020	ug/L		07/19/16 17:02	07/21/16 10:53	1
2-Methylnaphthalene	**0.12**	**J**	0.20	0.020	ug/L		07/19/16 17:02	07/21/16 10:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*59*		*33 - 138*	*07/19/16 17:02*	*07/21/16 10:53*	*1*
2-Fluorobiphenyl	*63*		*15 - 122*	*07/19/16 17:02*	*07/21/16 10:53*	*1*

Client Sample ID: P93A-ROX-071316-DUP

Lab Sample ID: 400-124549-6

Date Collected: 07/13/16 14:20
Date Received: 07/15/16 08:36

Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	60		19 - 130	07/19/16 17:02	07/21/16 10:53	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		07/19/16 17:02	07/22/16 18:30	1
Benzenethiol	ND		10	1.7	ug/L		07/19/16 17:02	07/22/16 18:30	1
Benzoic acid	ND	*	30	7.3	ug/L		07/19/16 17:02	07/22/16 18:30	1
Benzyl alcohol	ND		10	2.0	ug/L		07/19/16 17:02	07/22/16 18:30	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		07/19/16 17:02	07/22/16 18:30	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		07/19/16 17:02	07/22/16 18:30	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		07/19/16 17:02	07/22/16 18:30	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		07/19/16 17:02	07/22/16 18:30	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		07/19/16 17:02	07/22/16 18:30	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		07/19/16 17:02	07/22/16 18:30	1
4-Chloroaniline	ND		10	3.4	ug/L		07/19/16 17:02	07/22/16 18:30	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		07/19/16 17:02	07/22/16 18:30	1
2-Chloronaphthalene	ND		10	0.52	ug/L		07/19/16 17:02	07/22/16 18:30	1
2-Chlorophenol	ND		10	2.2	ug/L		07/19/16 17:02	07/22/16 18:30	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		07/19/16 17:02	07/22/16 18:30	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		07/19/16 17:02	07/22/16 18:30	1
Dibenzofuran	ND		10	0.52	ug/L		07/19/16 17:02	07/22/16 18:30	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		07/19/16 17:02	07/22/16 18:30	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		07/19/16 17:02	07/22/16 18:30	1
Diethyl phthalate	ND		10	0.70	ug/L		07/19/16 17:02	07/22/16 18:30	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		07/19/16 17:02	07/22/16 18:30	1
Dimethyl phthalate	ND		10	0.60	ug/L		07/19/16 17:02	07/22/16 18:30	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		07/19/16 17:02	07/22/16 18:30	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/19/16 17:02	07/22/16 18:30	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		07/19/16 17:02	07/22/16 18:30	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		07/19/16 17:02	07/22/16 18:30	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		07/19/16 17:02	07/22/16 18:30	1
Di-n-octyl phthalate	ND		10	0.44	ug/L		07/19/16 17:02	07/22/16 18:30	1
1,4-Dioxane	ND		10	1.0	ug/L		07/19/16 17:02	07/22/16 18:30	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		07/19/16 17:02	07/22/16 18:30	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/19/16 17:02	07/22/16 18:30	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		07/19/16 17:02	07/22/16 18:30	1
Hexachloroethane	ND		10	4.2	ug/L		07/19/16 17:02	07/22/16 18:30	1
Indene	ND		10	1.0	ug/L		07/19/16 17:02	07/22/16 18:30	1
Isophorone	ND		10	0.57	ug/L		07/19/16 17:02	07/22/16 18:30	1
2-Methylphenol	ND		10	1.8	ug/L		07/19/16 17:02	07/22/16 18:30	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		07/19/16 17:02	07/22/16 18:30	1
2-Nitroaniline	ND		10	2.2	ug/L		07/19/16 17:02	07/22/16 18:30	1
3-Nitroaniline	ND		10	1.8	ug/L		07/19/16 17:02	07/22/16 18:30	1
4-Nitroaniline	ND		10	2.5	ug/L		07/19/16 17:02	07/22/16 18:30	1
Nitrobenzene	ND		10	0.55	ug/L		07/19/16 17:02	07/22/16 18:30	1
2-Nitrophenol	ND		10	0.65	ug/L		07/19/16 17:02	07/22/16 18:30	1
4-Nitrophenol	ND		10	2.1	ug/L		07/19/16 17:02	07/22/16 18:30	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		07/19/16 17:02	07/22/16 18:30	1

Client Sample ID: P93A-ROX-071316-DUP

Lab Sample ID: 400-124549-6

Date Collected: 07/13/16 14:20
Date Received: 07/15/16 08:36

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		07/19/16 17:02	07/22/16 18:30	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		07/19/16 17:02	07/22/16 18:30	1
Pentachlorophenol	ND		20	1.8	ug/L		07/19/16 17:02	07/22/16 18:30	1
Phenol	7.8	J	10	2.6	ug/L		07/19/16 17:02	07/22/16 18:30	1
Pyridine	ND	* UJ	10	3.2	ug/L		07/19/16 17:02	07/22/16 18:30	1
Quinoline	ND		10	6.0	ug/L		07/19/16 17:02	07/22/16 18:30	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		07/19/16 17:02	07/22/16 18:30	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		07/19/16 17:02	07/22/16 18:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*67*		*34 - 120*	*07/19/16 17:02*	*07/22/16 18:30*	*1*
2-Fluorophenol	*58*		*10 - 120*	*07/19/16 17:02*	*07/22/16 18:30*	*1*
Nitrobenzene-d5	*73*		*27 - 120*	*07/19/16 17:02*	*07/22/16 18:30*	*1*
Phenol-d5	*69*		*10 - 120*	*07/19/16 17:02*	*07/22/16 18:30*	*1*
Terphenyl-d14	*60*		*53 - 125*	*07/19/16 17:02*	*07/22/16 18:30*	*1*
2,4,6-Tribromophenol	*68*		*15 - 135*	*07/19/16 17:02*	*07/22/16 18:30*	*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		0.030	0.0054	ug/L		07/24/16 10:51	07/25/16 15:33	1
1,2-Dibromoethane	ND		0.020	0.0049	ug/L		07/24/16 10:51	07/25/16 15:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*69*	*p*	*51 - 149*	*07/24/16 10:51*	*07/25/16 15:33*	*1*

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
*	LCS or LCSD is outside acceptance limits.

GC/MS Semi VOA

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

GC Semi VOA

Qualifier	Qualifier Description
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

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 - 3Q16

TestAmerica Job ID: 400-124549-1
SDG: 60477387 - 1.03.003/1.03.0033

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)
400-124395-C-4 MS	Matrix Spike	101	101	99
400-124395-C-4 MSD	Matrix Spike Duplicate	103	100	100
400-124549-2	TB-ROX-071316W-8260	93	104	91
400-124549-3	P59-ROX-071316	94	103	92
400-124549-4	P57-ROX-071316	92	111	92
400-124549-5	P93A-ROX-071316	95	109	92
400-124549-6	P93A-ROX-071316-DUP	94	110	93
400-124559-E-3 MS	Matrix Spike	100	99	101
400-124559-E-3 MSD	Matrix Spike Duplicate	100	101	99
LCS 400-315307/1002	Lab Control Sample	100	100	100
LCS 400-315486/1002	Lab Control Sample	103	100	99
MB 400-315307/4	Method Blank	94	106	90
MB 400-315486/4	Method Blank	93	103	93

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)
400-124549-3	P59-ROX-071316	56	15	70	79	28 X	101
400-124549-4	P57-ROX-071316	56	32	47	40	35 X	62
400-124549-5	P93A-ROX-071316	55	52	61	55	41 X	58
400-124549-6	P93A-ROX-071316-DUP	67	58	73	69	60	68
LCS 400-314926/2-A	Lab Control Sample	60	59	57	67	66	72
LCS 400-314926/4-A	Lab Control Sample	68	75	74	79	75	51
LCSD 400-314926/3-A	Lab Control Sample Dup	66	70	71	78	70	77
LCSD 400-314926/5-A	Lab Control Sample Dup	62	68	67	73	68	50
MB 400-314926/1-A	Method Blank	62	66	66	74	68	51

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)
400-124549-3	P59-ROX-071316	29 X	68	76

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)
400-124549-4	P57-ROX-071316	38	57	54
400-124549-5	P93A-ROX-071316	35	50	47
400-124549-6	P93A-ROX-071316-DUP	59	63	60
LCS 400-314926/2-A	Lab Control Sample	73	71	90
LCSD 400-314926/3-A	Lab Control Sample Dup	78	78	103
MB 400-314926/1-A	Method Blank	54	41	43

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)
400-124549-1	TB-ROX-071316W-8011	90
400-124549-3	P59-ROX-071316	84 p
400-124549-4	P57-ROX-071316	83
400-124549-5	P93A-ROX-071316	86
400-124549-6	P93A-ROX-071316-DUP	69 p
LCS 400-315512/2-A	Lab Control Sample	100
LCSD 400-315512/3-A	Lab Control Sample Dup	96
MB 400-315512/1-A	Method Blank	102

Surrogate Legend

BFB = 4-Bromofluorobenzene

Method Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 3Q16

TestAmerica Job ID: 400-124549-1
SDG: 60477387 - 1.03.003/1.03.0033

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 - 3Q16

TestAmerica Job ID: 400-124549-1
SDG: 60477387 - 1.03.003/1.03.0033

Client Sample ID: TB-ROX-071316W-8011

Lab Sample ID: 400-124549-1

Date Collected: 07/13/16 00:00
Date Received: 07/15/16 08:36

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			35.6 mL	35 mL	315512	07/24/16 10:51	AM	TAL PEN
Total/NA	Analysis	8011		1			315812	07/25/16 13:03	AM	TAL PEN

Client Sample ID: TB-ROX-071316W-8260

Lab Sample ID: 400-124549-2

Date Collected: 07/13/16 00:00
Date Received: 07/15/16 08:36

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	315486	07/23/16 17:05	HLW	TAL PEN

Client Sample ID: P59-ROX-071316

Lab Sample ID: 400-124549-3

Date Collected: 07/13/16 09:55
Date Received: 07/15/16 08:36

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	315307	07/22/16 17:12	RS	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314926	07/19/16 17:02	RMC	TAL PEN
Total/NA	Analysis	8270D		1			315342	07/22/16 16:57	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314926	07/19/16 17:02	RMC	TAL PEN
Total/NA	Analysis	8270D LL		5			315274	07/22/16 11:29	VC1	TAL PEN
Total/NA	Prep	8011			35.7 mL	35 mL	315512	07/24/16 10:51	AM	TAL PEN
Total/NA	Analysis	8011		1			315812	07/25/16 13:33	AM	TAL PEN

Client Sample ID: P57-ROX-071316

Lab Sample ID: 400-124549-4

Date Collected: 07/13/16 11:10
Date Received: 07/15/16 08:36

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		500	5 mL	5 mL	315307	07/22/16 11:35	RS	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314926	07/19/16 17:02	RMC	TAL PEN
Total/NA	Analysis	8270D		1			315342	07/22/16 17:28	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314926	07/19/16 17:02	RMC	TAL PEN
Total/NA	Analysis	8270D		10			316123	07/28/16 14:28	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314926	07/19/16 17:02	RMC	TAL PEN
Total/NA	Analysis	8270D LL		5			315274	07/22/16 11:52	VC1	TAL PEN
Total/NA	Prep	8011			36.5 mL	35 mL	315512	07/24/16 10:51	AM	TAL PEN
Total/NA	Analysis	8011		1			315812	07/25/16 14:03	AM	TAL PEN

Lab Chronicle

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 3Q16

TestAmerica Job ID: 400-124549-1
SDG: 60477387 - 1.03.003/1.03.0033

Client Sample ID: P93A-ROX-071316

Lab Sample ID: 400-124549-5

Date Collected: 07/13/16 14:20
Matrix: Water
Date Received: 07/15/16 08:36

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	315307	07/22/16 10:47	RS	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314926	07/19/16 17:02	RMC	TAL PEN
Total/NA	Analysis	8270D		1			315342	07/22/16 17:59	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314926	07/19/16 17:02	RMC	TAL PEN
Total/NA	Analysis	8270D LL		1			315121	07/21/16 10:30	VC1	TAL PEN
Total/NA	Prep	8011			34.9 mL	35 mL	315512	07/24/16 10:51	AM	TAL PEN
Total/NA	Analysis	8011		1			315812	07/25/16 15:03	AM	TAL PEN

Client Sample ID: P93A-ROX-071316-DUP

Lab Sample ID: 400-124549-6

Date Collected: 07/13/16 14:20
Matrix: Water
Date Received: 07/15/16 08:36

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	315307	07/22/16 11:11	RS	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314926	07/19/16 17:02	RMC	TAL PEN
Total/NA	Analysis	8270D		1			315342	07/22/16 18:30	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314926	07/19/16 17:02	RMC	TAL PEN
Total/NA	Analysis	8270D LL		1			315121	07/21/16 10:53	VC1	TAL PEN
Total/NA	Prep	8011			35.5 mL	35 mL	315512	07/24/16 10:51	AM	TAL PEN
Total/NA	Analysis	8011		1			315812	07/25/16 15:33	AM	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-314926/1-A

Date Collected: N/A
Matrix: Water
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	314926	07/19/16 17:02	RMC	TAL PEN
Total/NA	Analysis	8270D		1			315342	07/22/16 14:23	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314926	07/19/16 17:02	RMC	TAL PEN
Total/NA	Analysis	8270D LL		1			315121	07/21/16 08:35	VC1	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-315307/4

Date Collected: N/A
Matrix: Water
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	315307	07/22/16 07:57	RS	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-315486/4

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	315486	07/23/16 16:39	HLW	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-315512/1-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	315512	07/24/16 10:51	AM	TAL PEN
Total/NA	Analysis	8011		1			315812	07/25/16 09:35	AM	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-314926/2-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	314926	07/19/16 17:02	RMC	TAL PEN
Total/NA	Analysis	8270D		1			315342	07/22/16 14:54	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314926	07/19/16 17:02	RMC	TAL PEN
Total/NA	Analysis	8270D LL		5			315121	07/21/16 08:58	VC1	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-314926/4-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	314926	07/19/16 17:02	RMC	TAL PEN
Total/NA	Analysis	8270D		1			315342	07/22/16 15:55	MAM	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-315307/1002

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	315307	07/22/16 07:09	RS	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-315486/1002

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	315486	07/23/16 15:31	HLW	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-315512/2-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	8011			35 mL	35 mL	315512	07/24/16 10:51	AM	TAL PEN
Total/NA	Analysis	8011		1			315812	07/25/16 10:04	AM	TAL PEN

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-314926/3-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	314926	07/19/16 17:02	RMC	TAL PEN
Total/NA	Analysis	8270D		1			315342	07/22/16 15:25	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314926	07/19/16 17:02	RMC	TAL PEN
Total/NA	Analysis	8270D LL		5			315121	07/21/16 09:21	VC1	TAL PEN

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-314926/5-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	314926	07/19/16 17:02	RMC	TAL PEN
Total/NA	Analysis	8270D		1			315342	07/22/16 16:26	MAM	TAL PEN

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-315512/3-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	315512	07/24/16 10:51	AM	TAL PEN
Total/NA	Analysis	8011		1			315812	07/25/16 10:34	AM	TAL PEN

Client Sample ID: Matrix Spike

Lab Sample ID: 400-124395-C-4 MS

Date Collected: 07/12/16 10:00
Date Received: 07/13/16 08:29

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	315307	07/22/16 12:23	RS	TAL PEN

Client Sample ID: Matrix Spike Duplicate

Lab Sample ID: 400-124395-C-4 MSD

Date Collected: 07/12/16 10:00
Date Received: 07/13/16 08:29

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	315307	07/22/16 12:47	RS	TAL PEN

Lab Chronicle

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 3Q16

TestAmerica Job ID: 400-124549-1
SDG: 60477387 - 1.03.003/1.03.0033

Client Sample ID: Matrix Spike

Lab Sample ID: 400-124559-E-3 MS

Date Collected: 07/14/16 09:35
Matrix: Water
Date Received: 07/15/16 15:08

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	315486	07/23/16 18:49	HLW	TAL PEN

Client Sample ID: Matrix Spike Duplicate

Lab Sample ID: 400-124559-E-3 MSD

Date Collected: 07/14/16 09:35
Matrix: Water
Date Received: 07/15/16 15:08

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	315486	07/23/16 19:15	HLW	TAL PEN

Laboratory References:

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

GC/MS VOA

Analysis Batch: 315307

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124549-3	P59-ROX-071316	Total/NA	Water	8260B	
400-124549-4	P57-ROX-071316	Total/NA	Water	8260B	
400-124549-5	P93A-ROX-071316	Total/NA	Water	8260B	
400-124549-6	P93A-ROX-071316-DUP	Total/NA	Water	8260B	
MB 400-315307/4	Method Blank	Total/NA	Water	8260B	
LCS 400-315307/1002	Lab Control Sample	Total/NA	Water	8260B	
400-124395-C-4 MS	Matrix Spike	Total/NA	Water	8260B	
400-124395-C-4 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	

Analysis Batch: 315486

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124549-2	TB-ROX-071316W-8260	Total/NA	Water	8260B	
MB 400-315486/4	Method Blank	Total/NA	Water	8260B	
LCS 400-315486/1002	Lab Control Sample	Total/NA	Water	8260B	
400-124559-E-3 MS	Matrix Spike	Total/NA	Water	8260B	
400-124559-E-3 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 314926

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124549-3	P59-ROX-071316	Total/NA	Water	3520C	
400-124549-4	P57-ROX-071316	Total/NA	Water	3520C	
400-124549-5	P93A-ROX-071316	Total/NA	Water	3520C	
400-124549-6	P93A-ROX-071316-DUP	Total/NA	Water	3520C	
MB 400-314926/1-A	Method Blank	Total/NA	Water	3520C	
LCS 400-314926/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCS 400-314926/4-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 400-314926/3-A	Lab Control Sample Dup	Total/NA	Water	3520C	
LCSD 400-314926/5-A	Lab Control Sample Dup	Total/NA	Water	3520C	

Analysis Batch: 315121

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124549-5	P93A-ROX-071316	Total/NA	Water	8270D LL	314926
400-124549-6	P93A-ROX-071316-DUP	Total/NA	Water	8270D LL	314926
MB 400-314926/1-A	Method Blank	Total/NA	Water	8270D LL	314926
LCS 400-314926/2-A	Lab Control Sample	Total/NA	Water	8270D LL	314926
LCSD 400-314926/3-A	Lab Control Sample Dup	Total/NA	Water	8270D LL	314926

Analysis Batch: 315274

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124549-3	P59-ROX-071316	Total/NA	Water	8270D LL	314926
400-124549-4	P57-ROX-071316	Total/NA	Water	8270D LL	314926

Analysis Batch: 315342

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124549-3	P59-ROX-071316	Total/NA	Water	8270D	314926
400-124549-4	P57-ROX-071316	Total/NA	Water	8270D	314926
400-124549-5	P93A-ROX-071316	Total/NA	Water	8270D	314926
400-124549-6	P93A-ROX-071316-DUP	Total/NA	Water	8270D	314926

GC/MS Semi VOA (Continued)

Analysis Batch: 315342 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-314926/1-A	Method Blank	Total/NA	Water	8270D	314926
LCS 400-314926/2-A	Lab Control Sample	Total/NA	Water	8270D	314926
LCS 400-314926/4-A	Lab Control Sample	Total/NA	Water	8270D	314926
LCSD 400-314926/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	314926
LCSD 400-314926/5-A	Lab Control Sample Dup	Total/NA	Water	8270D	314926

Analysis Batch: 316123

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124549-4	P57-ROX-071316	Total/NA	Water	8270D	314926

GC Semi VOA

Prep Batch: 315512

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124549-1	TB-ROX-071316W-8011	Total/NA	Water	8011	
400-124549-3	P59-ROX-071316	Total/NA	Water	8011	
400-124549-4	P57-ROX-071316	Total/NA	Water	8011	
400-124549-5	P93A-ROX-071316	Total/NA	Water	8011	
400-124549-6	P93A-ROX-071316-DUP	Total/NA	Water	8011	
MB 400-315512/1-A	Method Blank	Total/NA	Water	8011	
LCS 400-315512/2-A	Lab Control Sample	Total/NA	Water	8011	
LCSD 400-315512/3-A	Lab Control Sample Dup	Total/NA	Water	8011	

Analysis Batch: 315812

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124549-1	TB-ROX-071316W-8011	Total/NA	Water	8011	315512
400-124549-3	P59-ROX-071316	Total/NA	Water	8011	315512
400-124549-4	P57-ROX-071316	Total/NA	Water	8011	315512
400-124549-5	P93A-ROX-071316	Total/NA	Water	8011	315512
400-124549-6	P93A-ROX-071316-DUP	Total/NA	Water	8011	315512
MB 400-315512/1-A	Method Blank	Total/NA	Water	8011	315512
LCS 400-315512/2-A	Lab Control Sample	Total/NA	Water	8011	315512
LCSD 400-315512/3-A	Lab Control Sample Dup	Total/NA	Water	8011	315512

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

Lab Sample ID: MB 400-315307/4
Matrix: Water
Analysis Batch: 315307

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			07/22/16 07:57	1
Acrolein	ND		20	10	ug/L			07/22/16 07:57	1
Acrylonitrile	ND		10	2.8	ug/L			07/22/16 07:57	1
Benzene	ND		1.0	0.38	ug/L			07/22/16 07:57	1
Bromobenzene	ND		1.0	0.54	ug/L			07/22/16 07:57	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/22/16 07:57	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/22/16 07:57	1
Bromoform	ND		5.0	0.71	ug/L			07/22/16 07:57	1
Bromomethane	ND		1.0	0.98	ug/L			07/22/16 07:57	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/22/16 07:57	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/22/16 07:57	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			07/22/16 07:57	1
Chlorobenzene	ND		1.0	0.50	ug/L			07/22/16 07:57	1
Dibromochloromethane	ND		1.0	0.50	ug/L			07/22/16 07:57	1
Chloroethane	ND		1.0	0.76	ug/L			07/22/16 07:57	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/22/16 07:57	1
Chloroform	ND		1.0	0.60	ug/L			07/22/16 07:57	1
1-Chlorohexane	ND		1.0	0.70	ug/L			07/22/16 07:57	1
Chloromethane	ND		1.0	0.83	ug/L			07/22/16 07:57	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/22/16 07:57	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/22/16 07:57	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/22/16 07:57	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/22/16 07:57	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/22/16 07:57	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/22/16 07:57	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/22/16 07:57	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			07/22/16 07:57	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/22/16 07:57	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/22/16 07:57	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/22/16 07:57	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/22/16 07:57	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			07/22/16 07:57	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/22/16 07:57	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/22/16 07:57	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/22/16 07:57	1
2-Hexanone	ND		25	3.1	ug/L			07/22/16 07:57	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/22/16 07:57	1
Methylene bromide	ND		5.0	0.59	ug/L			07/22/16 07:57	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/22/16 07:57	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/22/16 07:57	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			07/22/16 07:57	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			07/22/16 07:57	1
Naphthalene	ND		1.0	1.0	ug/L			07/22/16 07:57	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/22/16 07:57	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/22/16 07:57	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/22/16 07:57	1
o-Xylene	ND		5.0	0.60	ug/L			07/22/16 07:57	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/22/16 07:57	1

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

Lab Sample ID: MB 400-315307/4
Matrix: Water
Analysis Batch: 315307

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			07/22/16 07:57	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/22/16 07:57	1
Styrene	ND		1.0	1.0	ug/L			07/22/16 07:57	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/22/16 07:57	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			07/22/16 07:57	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/22/16 07:57	1
Tetrachloroethene	ND		1.0	0.58	ug/L			07/22/16 07:57	1
Toluene	ND		1.0	0.70	ug/L			07/22/16 07:57	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/22/16 07:57	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/22/16 07:57	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			07/22/16 07:57	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/22/16 07:57	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			07/22/16 07:57	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			07/22/16 07:57	1
Trichloroethene	ND		1.0	0.50	ug/L			07/22/16 07:57	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			07/22/16 07:57	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/22/16 07:57	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/22/16 07:57	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/22/16 07:57	1
Vinyl acetate	ND		25	2.0	ug/L			07/22/16 07:57	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/22/16 07:57	1
Xylenes, Total	ND		10	1.6	ug/L			07/22/16 07:57	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*78 - 118*		*07/22/16 07:57*	*1*
Dibromofluoromethane	*106*		*81 - 121*		*07/22/16 07:57*	*1*
Toluene-d8 (Surr)	*90*		*80 - 120*		*07/22/16 07:57*	*1*

Lab Sample ID: LCS 400-315307/1002
Matrix: Water
Analysis Batch: 315307

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	200	201		ug/L		100	43 - 160
Acrolein	400	450		ug/L		113	38 - 160
Acrylonitrile	500	571		ug/L		114	64 - 142
Benzene	50.0	54.8		ug/L		110	70 - 130
Bromobenzene	50.0	54.1		ug/L		108	70 - 132
Bromochloromethane	50.0	53.2		ug/L		106	70 - 130
Bromodichloromethane	50.0	55.6		ug/L		111	67 - 133
Bromoform	50.0	56.8		ug/L		114	57 - 140
Bromomethane	40.0	42.9		ug/L		107	10 - 160
2-Butanone (MEK)	200	220		ug/L		110	61 - 145
Carbon disulfide	50.0	54.1		ug/L		108	61 - 137
Carbon tetrachloride	50.0	52.3		ug/L		105	61 - 137
Chlorobenzene	50.0	56.6		ug/L		113	70 - 130
Dibromochloromethane	50.0	56.2		ug/L		112	67 - 135
Chloroethane	40.0	45.5		ug/L		114	55 - 141

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

Lab Sample ID: LCS 400-315307/1002
Matrix: Water
Analysis Batch: 315307

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	47.7		ug/L		119	10 - 160
Chloroform	50.0	53.7		ug/L		107	69 - 130
1-Chlorohexane	50.0	55.9		ug/L		112	69 - 130
Chloromethane	40.0	43.3		ug/L		108	58 - 137
cis-1,2-Dichloroethene	50.0	53.5		ug/L		107	68 - 130
cis-1,3-Dichloropropene	50.0	55.8		ug/L		112	69 - 132
1,2-Dichlorobenzene	50.0	54.2		ug/L		108	67 - 130
1,3-Dichlorobenzene	50.0	54.4		ug/L		109	70 - 130
1,4-Dichlorobenzene	50.0	56.2		ug/L		112	70 - 130
Dichlorodifluoromethane	40.0	41.0		ug/L		102	41 - 146
1,1-Dichloroethane	50.0	55.0		ug/L		110	70 - 130
1,2-Dichloroethane	50.0	53.5		ug/L		107	69 - 130
1,1-Dichloroethene	50.0	53.1		ug/L		106	63 - 134
1,2-Dichloropropane	50.0	52.8		ug/L		106	70 - 130
1,3-Dichloropropane	50.0	54.3		ug/L		109	70 - 130
2,2-Dichloropropane	50.0	52.6		ug/L		105	52 - 135
1,1-Dichloropropene	50.0	55.1		ug/L		110	70 - 130
Ethylbenzene	50.0	55.3		ug/L		111	70 - 130
Ethyl methacrylate	50.0	56.0		ug/L		112	68 - 130
Hexachlorobutadiene	50.0	54.7		ug/L		109	53 - 140
2-Hexanone	200	224		ug/L		112	65 - 137
Isopropylbenzene	50.0	56.2		ug/L		112	70 - 130
Methylene bromide	50.0	53.7		ug/L		107	70 - 130
Methylene Chloride	50.0	53.1		ug/L		106	66 - 135
4-Methyl-2-pentanone (MIBK)	200	232		ug/L		116	69 - 138
Methyl tert-butyl ether	50.0	53.9		ug/L		108	66 - 130
m-Xylene & p-Xylene	50.0	55.4		ug/L		111	70 - 130
Naphthalene	50.0	51.9		ug/L		104	47 - 149
n-Butylbenzene	50.0	53.1		ug/L		106	67 - 130
N-Propylbenzene	50.0	52.5		ug/L		105	70 - 130
o-Chlorotoluene	50.0	50.9		ug/L		102	70 - 130
o-Xylene	50.0	55.4		ug/L		111	70 - 130
p-Chlorotoluene	50.0	52.3		ug/L		105	70 - 130
p-Isopropyltoluene	50.0	53.4		ug/L		107	65 - 130
sec-Butylbenzene	50.0	51.8		ug/L		104	66 - 130
Styrene	50.0	55.0		ug/L		110	70 - 130
tert-Butylbenzene	50.0	54.9		ug/L		110	64 - 139
1,1,1,2-Tetrachloroethane	50.0	56.9		ug/L		114	67 - 131
1,1,2,2-Tetrachloroethane	50.0	57.1		ug/L		114	70 - 131
Tetrachloroethene	50.0	54.8		ug/L		110	65 - 130
Toluene	50.0	55.3		ug/L		111	70 - 130
trans-1,2-Dichloroethene	50.0	53.3		ug/L		107	70 - 130
trans-1,3-Dichloropropene	50.0	56.1		ug/L		112	63 - 130
1,2,3-Trichlorobenzene	50.0	56.4		ug/L		113	60 - 138
1,2,4-Trichlorobenzene	50.0	56.0		ug/L		112	60 - 140
1,1,1-Trichloroethane	50.0	55.1		ug/L		110	68 - 130
1,1,2-Trichloroethane	50.0	56.1		ug/L		112	70 - 130
Trichloroethene	50.0	56.6		ug/L		113	70 - 130

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

Lab Sample ID: LCS 400-315307/1002
Matrix: Water
Analysis Batch: 315307

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	43.5		ug/L		109	65 - 138
1,2,3-Trichloropropane	50.0	53.5		ug/L		107	70 - 130
1,2,4-Trimethylbenzene	50.0	50.5		ug/L		101	70 - 130
1,3,5-Trimethylbenzene	50.0	54.7		ug/L		109	69 - 130
Vinyl acetate	80.0	89.5		ug/L		112	26 - 160
Vinyl chloride	40.0	44.3		ug/L		111	59 - 136
Xylenes, Total	100	111		ug/L		111	70 - 130

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

Lab Sample ID: 400-124395-C-4 MS
Matrix: Water
Analysis Batch: 315307

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		200	243		ug/L		121	43 - 160
Acrolein	ND		400	434		ug/L		108	38 - 160
Acrylonitrile	ND		500	600		ug/L		120	62 - 149
Benzene	23		50.0	75.2		ug/L		105	56 - 142
Bromobenzene	ND		50.0	55.7		ug/L		111	59 - 136
Bromochloromethane	ND		50.0	55.6		ug/L		111	64 - 140
Bromodichloromethane	ND		50.0	56.0		ug/L		112	59 - 143
Bromoform	ND		50.0	53.7		ug/L		107	50 - 140
Bromomethane	ND		40.0	30.7		ug/L		77	10 - 160
2-Butanone (MEK)	ND		200	218		ug/L		109	55 - 150
Carbon disulfide	ND		50.0	56.1		ug/L		112	48 - 152
Carbon tetrachloride	ND		50.0	52.4		ug/L		105	55 - 145
Chlorobenzene	ND		50.0	57.3		ug/L		115	64 - 130
Dibromochloromethane	ND		50.0	55.1		ug/L		110	56 - 143
Chloroethane	ND		40.0	44.8		ug/L		112	50 - 151
2-Chloroethyl vinyl ether	ND	F1	40.0	ND	F1	ug/L		0	10 - 160
Chloroform	ND		50.0	55.8		ug/L		112	60 - 141
1-Chlorohexane	ND		50.0	56.3		ug/L		113	56 - 136
Chloromethane	ND		40.0	38.8		ug/L		97	49 - 148
cis-1,2-Dichloroethene	ND		50.0	54.7		ug/L		109	59 - 143
cis-1,3-Dichloropropene	ND		50.0	55.7		ug/L		111	57 - 140
1,2-Dichlorobenzene	ND		50.0	54.0		ug/L		108	52 - 137
1,3-Dichlorobenzene	ND		50.0	53.9		ug/L		108	54 - 135
1,4-Dichlorobenzene	ND		50.0	56.0		ug/L		112	53 - 135
Dichlorodifluoromethane	ND		40.0	39.3		ug/L		98	16 - 160
1,1-Dichloroethane	ND		50.0	57.1		ug/L		114	61 - 144
1,2-Dichloroethane	ND		50.0	54.8		ug/L		110	60 - 141
1,1-Dichloroethene	ND		50.0	54.8		ug/L		110	54 - 147
1,2-Dichloropropane	ND		50.0	54.1		ug/L		108	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: 400-124395-C-4 MS
Matrix: Water
Analysis Batch: 315307

Client Sample ID: Matrix Spike
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	52.5		ug/L		105	42 - 144
1,1-Dichloropropene	ND		50.0	55.3		ug/L		111	65 - 136
Ethylbenzene	2.1		50.0	56.9		ug/L		110	58 - 131
Ethyl methacrylate	ND		50.0	57.5		ug/L		115	64 - 130
Hexachlorobutadiene	ND		50.0	51.1		ug/L		102	31 - 149
2-Hexanone	ND		200	228		ug/L		114	65 - 140
Isopropylbenzene	ND		50.0	56.0		ug/L		112	56 - 133
Methylene bromide	ND		50.0	56.5		ug/L		113	63 - 138
Methylene Chloride	ND		50.0	54.3		ug/L		109	60 - 146
4-Methyl-2-pentanone (MIBK)	ND		200	241		ug/L		120	63 - 146
Methyl tert-butyl ether	ND		50.0	55.6		ug/L		111	59 - 137
m-Xylene & p-Xylene	6.9		50.0	60.5		ug/L		107	57 - 130
Naphthalene	1.8		50.0	56.1		ug/L		109	25 - 160
n-Butylbenzene	ND		50.0	53.2		ug/L		106	41 - 142
N-Propylbenzene	ND		50.0	53.7		ug/L		107	51 - 138
o-Chlorotoluene	ND		50.0	51.1		ug/L		102	53 - 134
o-Xylene	0.89	J	50.0	55.6		ug/L		109	61 - 130
p-Chlorotoluene	ND		50.0	54.6		ug/L		109	54 - 133
p-Isopropyltoluene	ND		50.0	53.9		ug/L		108	48 - 139
sec-Butylbenzene	ND		50.0	51.8		ug/L		104	50 - 138
Styrene	ND		50.0	54.8		ug/L		110	58 - 131
tert-Butylbenzene	ND		50.0	56.7		ug/L		113	54 - 146
1,1,1,2-Tetrachloroethane	ND		50.0	55.9		ug/L		112	59 - 137
1,1,2,2-Tetrachloroethane	ND		50.0	59.1		ug/L		118	66 - 135
Tetrachloroethene	ND		50.0	54.4		ug/L		109	52 - 133
Toluene	1.3		50.0	57.6		ug/L		113	65 - 130
trans-1,2-Dichloroethene	ND		50.0	53.5		ug/L		107	61 - 143
trans-1,3-Dichloropropene	ND		50.0	55.7		ug/L		111	53 - 133
1,2,3-Trichlorobenzene	ND		50.0	54.8		ug/L		110	43 - 145
1,2,4-Trichlorobenzene	ND		50.0	52.7		ug/L		105	39 - 148
1,1,1-Trichloroethane	ND		50.0	56.0		ug/L		112	57 - 142
1,1,2-Trichloroethane	ND		50.0	58.0		ug/L		116	66 - 131
Trichloroethene	ND		50.0	57.1		ug/L		114	64 - 136
Trichlorofluoromethane	ND		40.0	43.5		ug/L		109	54 - 156
1,2,3-Trichloropropane	ND		50.0	57.0		ug/L		114	65 - 133
1,2,4-Trimethylbenzene	16		50.0	63.6		ug/L		96	50 - 139
1,3,5-Trimethylbenzene	9.8		50.0	62.9		ug/L		106	52 - 135
Vinyl acetate	ND		80.0	86.7		ug/L		108	26 - 160
Vinyl chloride	ND		40.0	40.0		ug/L		100	46 - 152
Xylenes, Total	7.8	J	100	116		ug/L		108	59 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*78 - 118*
Dibromofluoromethane	*101*		*81 - 121*
Toluene-d8 (Surr)	*99*		*80 - 120*

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

Lab Sample ID: 400-124395-C-4 MSD
Matrix: Water
Analysis Batch: 315307

Client Sample ID: Matrix Spike Duplicate
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	236		ug/L		118	43 - 160	3	30
Acrolein	ND		400	398		ug/L		100	38 - 160	9	31
Acrylonitrile	ND		500	563		ug/L		113	62 - 149	6	30
Benzene	23		50.0	69.3		ug/L		93	56 - 142	8	30
Bromobenzene	ND		50.0	50.9		ug/L		102	59 - 136	9	30
Bromochloromethane	ND		50.0	49.3		ug/L		99	64 - 140	12	30
Bromodichloromethane	ND		50.0	51.3		ug/L		103	59 - 143	9	30
Bromoform	ND		50.0	49.6		ug/L		99	50 - 140	8	30
Bromomethane	ND		40.0	32.0		ug/L		80	10 - 160	4	50
2-Butanone (MEK)	ND		200	207		ug/L		103	55 - 150	5	30
Carbon disulfide	ND		50.0	51.1		ug/L		102	48 - 152	9	30
Carbon tetrachloride	ND		50.0	47.6		ug/L		95	55 - 145	10	30
Chlorobenzene	ND		50.0	52.5		ug/L		105	64 - 130	9	30
Dibromochloromethane	ND		50.0	51.2		ug/L		102	56 - 143	7	30
Chloroethane	ND		40.0	41.0		ug/L		102	50 - 151	9	30
2-Chloroethyl vinyl ether	ND	F1	40.0	ND	F1	ug/L		0	10 - 160	NC	50
Chloroform	ND		50.0	50.1		ug/L		100	60 - 141	11	30
1-Chlorohexane	ND		50.0	51.9		ug/L		104	56 - 136	8	30
Chloromethane	ND		40.0	34.2		ug/L		86	49 - 148	12	31
cis-1,2-Dichloroethene	ND		50.0	49.7		ug/L		99	59 - 143	10	30
cis-1,3-Dichloropropene	ND		50.0	50.3		ug/L		101	57 - 140	10	30
1,2-Dichlorobenzene	ND		50.0	49.1		ug/L		98	52 - 137	10	30
1,3-Dichlorobenzene	ND		50.0	49.2		ug/L		98	54 - 135	9	30
1,4-Dichlorobenzene	ND		50.0	50.6		ug/L		101	53 - 135	10	30
Dichlorodifluoromethane	ND		40.0	34.4		ug/L		86	16 - 160	13	31
1,1-Dichloroethane	ND		50.0	51.6		ug/L		103	61 - 144	10	30
1,2-Dichloroethane	ND		50.0	50.2		ug/L		100	60 - 141	9	30
1,1-Dichloroethene	ND		50.0	51.3		ug/L		103	54 - 147	7	30
1,2-Dichloropropane	ND		50.0	49.3		ug/L		99	66 - 137	9	30
1,3-Dichloropropane	ND		50.0	52.1		ug/L		104	66 - 133	8	30
2,2-Dichloropropane	ND		50.0	47.7		ug/L		95	42 - 144	10	31
1,1-Dichloropropene	ND		50.0	49.9		ug/L		100	65 - 136	10	30
Ethylbenzene	2.1		50.0	52.7		ug/L		101	58 - 131	8	30
Ethyl methacrylate	ND		50.0	53.7		ug/L		107	64 - 130	7	30
Hexachlorobutadiene	ND		50.0	47.7		ug/L		95	31 - 149	7	36
2-Hexanone	ND		200	217		ug/L		109	65 - 140	5	30
Isopropylbenzene	ND		50.0	52.0		ug/L		104	56 - 133	7	30
Methylene bromide	ND		50.0	51.4		ug/L		103	63 - 138	9	30
Methylene Chloride	ND		50.0	48.4		ug/L		97	60 - 146	11	32
4-Methyl-2-pentanone (MIBK)	ND		200	227		ug/L		113	63 - 146	6	30
Methyl tert-butyl ether	ND		50.0	51.1		ug/L		102	59 - 137	9	30
m-Xylene & p-Xylene	6.9		50.0	56.5		ug/L		99	57 - 130	7	30
Naphthalene	1.8		50.0	52.5		ug/L		101	25 - 160	7	30
n-Butylbenzene	ND		50.0	48.9		ug/L		98	41 - 142	8	31
N-Propylbenzene	ND		50.0	48.6		ug/L		97	51 - 138	10	30
o-Chlorotoluene	ND		50.0	46.3		ug/L		93	53 - 134	10	30
o-Xylene	0.89	J	50.0	51.8		ug/L		102	61 - 130	7	30
p-Chlorotoluene	ND		50.0	49.8		ug/L		100	54 - 133	9	30

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

Lab Sample ID: 400-124395-C-4 MSD
Matrix: Water
Analysis Batch: 315307

Client Sample ID: Matrix Spike Duplicate
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	49.1		ug/L		98	48 - 139	9	30
sec-Butylbenzene	ND		50.0	47.8		ug/L		96	50 - 138	8	30
Styrene	ND		50.0	50.1		ug/L		100	58 - 131	9	30
tert-Butylbenzene	ND		50.0	52.5		ug/L		105	54 - 146	8	30
1,1,1,2-Tetrachloroethane	ND		50.0	51.4		ug/L		103	59 - 137	8	30
1,1,2,2-Tetrachloroethane	ND		50.0	55.1		ug/L		110	66 - 135	7	30
Tetrachloroethene	ND		50.0	50.0		ug/L		100	52 - 133	8	30
Toluene	1.3		50.0	52.9		ug/L		103	65 - 130	9	30
trans-1,2-Dichloroethene	ND		50.0	48.2		ug/L		96	61 - 143	10	30
trans-1,3-Dichloropropene	ND		50.0	52.1		ug/L		104	53 - 133	7	30
1,2,3-Trichlorobenzene	ND		50.0	49.9		ug/L		100	43 - 145	9	30
1,2,4-Trichlorobenzene	ND		50.0	47.1		ug/L		94	39 - 148	11	30
1,1,1-Trichloroethane	ND		50.0	50.6		ug/L		101	57 - 142	10	30
1,1,2-Trichloroethane	ND		50.0	53.1		ug/L		106	66 - 131	9	30
Trichloroethene	ND		50.0	51.5		ug/L		103	64 - 136	10	30
Trichlorofluoromethane	ND		40.0	37.4		ug/L		93	54 - 156	15	30
1,2,3-Trichloropropane	ND		50.0	53.7		ug/L		107	65 - 133	6	30
1,2,4-Trimethylbenzene	16		50.0	58.9		ug/L		87	50 - 139	8	30
1,3,5-Trimethylbenzene	9.8		50.0	58.4		ug/L		97	52 - 135	7	30
Vinyl acetate	ND		80.0	78.7		ug/L		98	26 - 160	10	33
Vinyl chloride	ND		40.0	35.2		ug/L		88	46 - 152	13	30
Xylenes, Total	7.8	J	100	108		ug/L		101	59 - 130	7	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*103*		*78 - 118*
Dibromofluoromethane	*100*		*81 - 121*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: MB 400-315486/4
Matrix: Water
Analysis Batch: 315486

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			07/23/16 16:39	1
Acrolein	ND		20	10	ug/L			07/23/16 16:39	1
Acrylonitrile	ND		10	2.8	ug/L			07/23/16 16:39	1
Benzene	ND		1.0	0.38	ug/L			07/23/16 16:39	1
Bromobenzene	ND		1.0	0.54	ug/L			07/23/16 16:39	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/23/16 16:39	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/23/16 16:39	1
Bromoform	ND		5.0	0.71	ug/L			07/23/16 16:39	1
Bromomethane	ND		1.0	0.98	ug/L			07/23/16 16:39	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/23/16 16:39	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/23/16 16:39	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			07/23/16 16:39	1
Chlorobenzene	ND		1.0	0.50	ug/L			07/23/16 16:39	1
Dibromochloromethane	ND		1.0	0.50	ug/L			07/23/16 16:39	1
Chloroethane	ND		1.0	0.76	ug/L			07/23/16 16:39	1

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

Lab Sample ID: MB 400-315486/4
Matrix: Water
Analysis Batch: 315486

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			07/23/16 16:39	1
Chloroform	ND		1.0	0.60	ug/L			07/23/16 16:39	1
1-Chlorohexane	ND		1.0	0.70	ug/L			07/23/16 16:39	1
Chloromethane	ND		1.0	0.83	ug/L			07/23/16 16:39	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/23/16 16:39	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/23/16 16:39	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/23/16 16:39	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/23/16 16:39	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/23/16 16:39	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/23/16 16:39	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/23/16 16:39	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			07/23/16 16:39	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/23/16 16:39	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/23/16 16:39	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/23/16 16:39	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/23/16 16:39	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			07/23/16 16:39	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/23/16 16:39	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/23/16 16:39	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/23/16 16:39	1
2-Hexanone	ND		25	3.1	ug/L			07/23/16 16:39	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/23/16 16:39	1
Methylene bromide	ND		5.0	0.59	ug/L			07/23/16 16:39	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/23/16 16:39	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/23/16 16:39	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			07/23/16 16:39	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			07/23/16 16:39	1
Naphthalene	ND		1.0	1.0	ug/L			07/23/16 16:39	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/23/16 16:39	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/23/16 16:39	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/23/16 16:39	1
o-Xylene	ND		5.0	0.60	ug/L			07/23/16 16:39	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/23/16 16:39	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/23/16 16:39	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/23/16 16:39	1
Styrene	ND		1.0	1.0	ug/L			07/23/16 16:39	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/23/16 16:39	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			07/23/16 16:39	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/23/16 16:39	1
Tetrachloroethene	ND		1.0	0.58	ug/L			07/23/16 16:39	1
Toluene	ND		1.0	0.70	ug/L			07/23/16 16:39	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/23/16 16:39	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/23/16 16:39	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			07/23/16 16:39	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/23/16 16:39	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			07/23/16 16:39	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			07/23/16 16:39	1
Trichloroethene	ND		1.0	0.50	ug/L			07/23/16 16:39	1

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

Lab Sample ID: MB 400-315486/4
Matrix: Water
Analysis Batch: 315486

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			07/23/16 16:39	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/23/16 16:39	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/23/16 16:39	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/23/16 16:39	1
Vinyl acetate	ND		25	2.0	ug/L			07/23/16 16:39	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/23/16 16:39	1
Xylenes, Total	ND		10	1.6	ug/L			07/23/16 16:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*78 - 118*		*07/23/16 16:39*	*1*
Dibromofluoromethane	*103*		*81 - 121*		*07/23/16 16:39*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*07/23/16 16:39*	*1*

Lab Sample ID: LCS 400-315486/1002
Matrix: Water
Analysis Batch: 315486

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	200	199		ug/L		100	43 - 160
Acrolein	400	420		ug/L		105	38 - 160
Acrylonitrile	500	522		ug/L		104	64 - 142
Benzene	50.0	49.0		ug/L		98	70 - 130
Bromobenzene	50.0	52.1		ug/L		104	70 - 132
Bromochloromethane	50.0	47.0		ug/L		94	70 - 130
Bromodichloromethane	50.0	49.7		ug/L		99	67 - 133
Bromoform	50.0	51.4		ug/L		103	57 - 140
Bromomethane	40.0	29.6		ug/L		74	10 - 160
2-Butanone (MEK)	200	205		ug/L		102	61 - 145
Carbon disulfide	50.0	48.1		ug/L		96	61 - 137
Carbon tetrachloride	50.0	46.8		ug/L		94	61 - 137
Chlorobenzene	50.0	52.1		ug/L		104	70 - 130
Dibromochloromethane	50.0	50.8		ug/L		102	67 - 135
Chloroethane	40.0	38.7		ug/L		97	55 - 141
2-Chloroethyl vinyl ether	40.0	116	*	ug/L		289	10 - 160
Chloroform	50.0	47.0		ug/L		94	69 - 130
1-Chlorohexane	50.0	51.2		ug/L		102	69 - 130
Chloromethane	40.0	40.2		ug/L		100	58 - 137
cis-1,2-Dichloroethene	50.0	47.9		ug/L		96	68 - 130
cis-1,3-Dichloropropene	50.0	49.9		ug/L		100	69 - 132
1,2-Dichlorobenzene	50.0	51.8		ug/L		104	67 - 130
1,3-Dichlorobenzene	50.0	52.2		ug/L		104	70 - 130
1,4-Dichlorobenzene	50.0	54.0		ug/L		108	70 - 130
Dichlorodifluoromethane	40.0	36.0		ug/L		90	41 - 146
1,1-Dichloroethane	50.0	49.2		ug/L		98	70 - 130
1,2-Dichloroethane	50.0	47.8		ug/L		96	69 - 130
1,1-Dichloroethene	50.0	47.7		ug/L		95	63 - 134
1,2-Dichloropropane	50.0	47.4		ug/L		95	70 - 130
1,3-Dichloropropane	50.0	50.4		ug/L		101	70 - 130

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

Lab Sample ID: LCS 400-315486/1002
Matrix: Water
Analysis Batch: 315486

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	46.6		ug/L		93	52 - 135
1,1-Dichloropropene	50.0	49.3		ug/L		99	70 - 130
Ethylbenzene	50.0	50.6		ug/L		101	70 - 130
Ethyl methacrylate	50.0	51.5		ug/L		103	68 - 130
Hexachlorobutadiene	50.0	54.4		ug/L		109	53 - 140
2-Hexanone	200	213		ug/L		106	65 - 137
Isopropylbenzene	50.0	51.8		ug/L		104	70 - 130
Methylene bromide	50.0	49.1		ug/L		98	70 - 130
Methylene Chloride	50.0	47.7		ug/L		95	66 - 135
4-Methyl-2-pentanone (MIBK)	200	214		ug/L		107	69 - 138
Methyl tert-butyl ether	50.0	48.2		ug/L		96	66 - 130
m-Xylene & p-Xylene	50.0	51.0		ug/L		102	70 - 130
Naphthalene	50.0	53.1		ug/L		106	47 - 149
n-Butylbenzene	50.0	51.7		ug/L		103	67 - 130
N-Propylbenzene	50.0	50.0		ug/L		100	70 - 130
o-Chlorotoluene	50.0	48.9		ug/L		98	70 - 130
o-Xylene	50.0	50.9		ug/L		102	70 - 130
p-Chlorotoluene	50.0	51.3		ug/L		103	70 - 130
p-Isopropyltoluene	50.0	51.3		ug/L		103	65 - 130
sec-Butylbenzene	50.0	50.1		ug/L		100	66 - 130
Styrene	50.0	50.6		ug/L		101	70 - 130
tert-Butylbenzene	50.0	52.3		ug/L		105	64 - 139
1,1,1,2-Tetrachloroethane	50.0	51.2		ug/L		102	67 - 131
1,1,2,2-Tetrachloroethane	50.0	55.2		ug/L		110	70 - 131
Tetrachloroethene	50.0	50.4		ug/L		101	65 - 130
Toluene	50.0	50.4		ug/L		101	70 - 130
trans-1,2-Dichloroethene	50.0	47.7		ug/L		95	70 - 130
trans-1,3-Dichloropropene	50.0	50.8		ug/L		102	63 - 130
1,2,3-Trichlorobenzene	50.0	54.7		ug/L		109	60 - 138
1,2,4-Trichlorobenzene	50.0	56.1		ug/L		112	60 - 140
1,1,1-Trichloroethane	50.0	48.5		ug/L		97	68 - 130
1,1,2-Trichloroethane	50.0	50.9		ug/L		102	70 - 130
Trichloroethene	50.0	50.7		ug/L		101	70 - 130
Trichlorofluoromethane	40.0	38.8		ug/L		97	65 - 138
1,2,3-Trichloropropane	50.0	50.7		ug/L		101	70 - 130
1,2,4-Trimethylbenzene	50.0	48.5		ug/L		97	70 - 130
1,3,5-Trimethylbenzene	50.0	52.2		ug/L		104	69 - 130
Vinyl acetate	80.0	82.1		ug/L		103	26 - 160
Vinyl chloride	40.0	40.5		ug/L		101	59 - 136
Xylenes, Total	100	102		ug/L		102	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*103*		*78 - 118*
Dibromofluoromethane	*100*		*81 - 121*
Toluene-d8 (Surr)	*99*		*80 - 120*

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

Lab Sample ID: 400-124559-E-3 MS
Matrix: Water
Analysis Batch: 315486

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		200	183		ug/L		92	43 - 160
Acrolein	ND		400	476		ug/L		119	38 - 160
Acrylonitrile	ND		500	583		ug/L		117	62 - 149
Benzene	9.8		50.0	60.2		ug/L		101	56 - 142
Bromobenzene	ND		50.0	52.8		ug/L		106	59 - 136
Bromochloromethane	ND		50.0	50.9		ug/L		102	64 - 140
Bromodichloromethane	ND		50.0	51.8		ug/L		104	59 - 143
Bromoform	ND		50.0	53.4		ug/L		107	50 - 140
Bromomethane	ND		40.0	34.0		ug/L		85	10 - 160
2-Butanone (MEK)	ND		200	221		ug/L		110	55 - 150
Carbon disulfide	ND		50.0	51.0		ug/L		102	48 - 152
Carbon tetrachloride	ND		50.0	49.0		ug/L		98	55 - 145
Chlorobenzene	ND		50.0	55.6		ug/L		111	64 - 130
Dibromochloromethane	ND		50.0	52.9		ug/L		106	56 - 143
Chloroethane	ND		40.0	43.0		ug/L		108	50 - 151
2-Chloroethyl vinyl ether	ND	F1 *	40.0	ND	F1	ug/L		0	10 - 160
Chloroform	ND		50.0	51.0		ug/L		102	60 - 141
1-Chlorohexane	ND		50.0	53.6		ug/L		107	56 - 136
Chloromethane	ND		40.0	41.0		ug/L		103	49 - 148
cis-1,2-Dichloroethene	ND		50.0	51.4		ug/L		103	59 - 143
cis-1,3-Dichloropropene	ND		50.0	52.6		ug/L		105	57 - 140
1,2-Dichlorobenzene	ND		50.0	53.3		ug/L		107	52 - 137
1,3-Dichlorobenzene	ND		50.0	52.6		ug/L		105	54 - 135
1,4-Dichlorobenzene	ND		50.0	53.9		ug/L		108	53 - 135
Dichlorodifluoromethane	ND		40.0	35.0		ug/L		88	16 - 160
1,1-Dichloroethane	ND		50.0	52.3		ug/L		105	61 - 144
1,2-Dichloroethane	ND		50.0	52.0		ug/L		104	60 - 141
1,1-Dichloroethene	ND		50.0	50.7		ug/L		101	54 - 147
1,2-Dichloropropane	ND		50.0	50.2		ug/L		100	66 - 137
1,3-Dichloropropane	ND		50.0	54.6		ug/L		109	66 - 133
2,2-Dichloropropane	ND		50.0	48.4		ug/L		97	42 - 144
1,1-Dichloropropene	ND		50.0	51.7		ug/L		103	65 - 136
Ethylbenzene	ND		50.0	53.7		ug/L		107	58 - 131
Ethyl methacrylate	ND		50.0	56.0		ug/L		112	64 - 130
Hexachlorobutadiene	ND		50.0	51.0		ug/L		102	31 - 149
2-Hexanone	ND		200	233		ug/L		117	65 - 140
Isopropylbenzene	ND		50.0	54.6		ug/L		109	56 - 133
Methylene bromide	ND		50.0	52.3		ug/L		105	63 - 138
Methylene Chloride	ND		50.0	51.2		ug/L		102	60 - 146
4-Methyl-2-pentanone (MIBK)	ND		200	236		ug/L		118	63 - 146
Methyl tert-butyl ether	1.1		50.0	52.8		ug/L		103	59 - 137
m-Xylene & p-Xylene	ND		50.0	54.7		ug/L		109	57 - 130
Naphthalene	ND		50.0	54.2		ug/L		108	25 - 160
n-Butylbenzene	ND		50.0	50.0		ug/L		100	41 - 142
N-Propylbenzene	ND		50.0	50.3		ug/L		101	51 - 138
o-Chlorotoluene	ND		50.0	48.2		ug/L		96	53 - 134
o-Xylene	ND		50.0	54.2		ug/L		108	61 - 130
p-Chlorotoluene	ND		50.0	50.9		ug/L		102	54 - 133

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

Lab Sample ID: 400-124559-E-3 MS
Matrix: Water
Analysis Batch: 315486

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
p-Isopropyltoluene	ND		50.0	50.4		ug/L		101	48 - 139
sec-Butylbenzene	ND		50.0	49.8		ug/L		100	50 - 138
Styrene	ND		50.0	53.3		ug/L		107	58 - 131
tert-Butylbenzene	ND		50.0	53.4		ug/L		107	54 - 146
1,1,1,2-Tetrachloroethane	ND		50.0	53.9		ug/L		108	59 - 137
1,1,2,2-Tetrachloroethane	ND		50.0	56.6		ug/L		113	66 - 135
Tetrachloroethene	ND		50.0	52.0		ug/L		104	52 - 133
Toluene	1.3		50.0	55.0		ug/L		107	65 - 130
trans-1,2-Dichloroethene	ND		50.0	50.1		ug/L		100	61 - 143
trans-1,3-Dichloropropene	ND		50.0	53.5		ug/L		107	53 - 133
1,2,3-Trichlorobenzene	ND		50.0	54.0		ug/L		108	43 - 145
1,2,4-Trichlorobenzene	ND		50.0	53.9		ug/L		108	39 - 148
1,1,1-Trichloroethane	ND		50.0	52.5		ug/L		105	57 - 142
1,1,2-Trichloroethane	ND		50.0	56.2		ug/L		112	66 - 131
Trichloroethene	ND		50.0	53.1		ug/L		106	64 - 136
Trichlorofluoromethane	ND		40.0	43.7		ug/L		109	54 - 156
1,2,3-Trichloropropane	ND		50.0	55.9		ug/L		112	65 - 133
1,2,4-Trimethylbenzene	ND		50.0	49.7		ug/L		99	50 - 139
1,3,5-Trimethylbenzene	ND		50.0	53.0		ug/L		106	52 - 135
Vinyl acetate	ND		80.0	88.3		ug/L		110	26 - 160
Vinyl chloride	ND		40.0	41.9		ug/L		105	46 - 152
Xylenes, Total	1.7	J	100	109		ug/L		107	59 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*78 - 118*
Dibromofluoromethane	*99*		*81 - 121*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: 400-124559-E-3 MSD
Matrix: Water
Analysis Batch: 315486

Client Sample ID: Matrix Spike Duplicate
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	168		ug/L		84	43 - 160	9	30
Acrolein	ND		400	433		ug/L		108	38 - 160	9	31
Acrylonitrile	ND		500	534		ug/L		107	62 - 149	9	30
Benzene	9.8		50.0	58.1		ug/L		96	56 - 142	4	30
Bromobenzene	ND		50.0	50.4		ug/L		101	59 - 136	5	30
Bromochloromethane	ND		50.0	48.0		ug/L		96	64 - 140	6	30
Bromodichloromethane	ND		50.0	49.9		ug/L		100	59 - 143	4	30
Bromoform	ND		50.0	49.8		ug/L		100	50 - 140	7	30
Bromomethane	ND		40.0	31.3		ug/L		78	10 - 160	8	50
2-Butanone (MEK)	ND		200	200		ug/L		100	55 - 150	10	30
Carbon disulfide	ND		50.0	48.5		ug/L		97	48 - 152	5	30
Carbon tetrachloride	ND		50.0	47.2		ug/L		94	55 - 145	4	30
Chlorobenzene	ND		50.0	52.1		ug/L		104	64 - 130	6	30
Dibromochloromethane	ND		50.0	49.5		ug/L		99	56 - 143	7	30
Chloroethane	ND		40.0	40.4		ug/L		101	50 - 151	6	30

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

Lab Sample ID: 400-124559-E-3 MSD
Matrix: Water
Analysis Batch: 315486

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Chloroethyl vinyl ether	ND	F1 *	40.0	ND	F1	ug/L		0	10 - 160	NC	50
Chloroform	ND		50.0	48.4		ug/L		97	60 - 141	5	30
1-Chlorohexane	ND		50.0	51.1		ug/L		102	56 - 136	5	30
Chloromethane	ND		40.0	38.5		ug/L		96	49 - 148	6	31
cis-1,2-Dichloroethene	ND		50.0	49.1		ug/L		98	59 - 143	5	30
cis-1,3-Dichloropropene	ND		50.0	49.4		ug/L		99	57 - 140	6	30
1,2-Dichlorobenzene	ND		50.0	51.3		ug/L		103	52 - 137	4	30
1,3-Dichlorobenzene	ND		50.0	50.5		ug/L		101	54 - 135	4	30
1,4-Dichlorobenzene	ND		50.0	52.6		ug/L		105	53 - 135	3	30
Dichlorodifluoromethane	ND		40.0	33.1		ug/L		83	16 - 160	6	31
1,1-Dichloroethane	ND		50.0	49.7		ug/L		99	61 - 144	5	30
1,2-Dichloroethane	ND		50.0	48.3		ug/L		97	60 - 141	7	30
1,1-Dichloroethene	ND		50.0	48.0		ug/L		96	54 - 147	5	30
1,2-Dichloropropane	ND		50.0	48.2		ug/L		96	66 - 137	4	30
1,3-Dichloropropane	ND		50.0	51.3		ug/L		103	66 - 133	6	30
2,2-Dichloropropane	ND		50.0	45.8		ug/L		92	42 - 144	6	31
1,1-Dichloropropene	ND		50.0	49.6		ug/L		99	65 - 136	4	30
Ethylbenzene	ND		50.0	51.2		ug/L		102	58 - 131	5	30
Ethyl methacrylate	ND		50.0	51.7		ug/L		103	64 - 130	8	30
Hexachlorobutadiene	ND		50.0	51.3		ug/L		103	31 - 149	1	36
2-Hexanone	ND		200	212		ug/L		106	65 - 140	10	30
Isopropylbenzene	ND		50.0	51.8		ug/L		104	56 - 133	5	30
Methylene bromide	ND		50.0	49.5		ug/L		99	63 - 138	6	30
Methylene Chloride	ND		50.0	48.2		ug/L		96	60 - 146	6	32
4-Methyl-2-pentanone (MIBK)	ND		200	217		ug/L		109	63 - 146	8	30
Methyl tert-butyl ether	1.1		50.0	49.5		ug/L		97	59 - 137	7	30
m-Xylene & p-Xylene	ND		50.0	51.8		ug/L		104	57 - 130	5	30
Naphthalene	ND		50.0	52.3		ug/L		105	25 - 160	4	30
n-Butylbenzene	ND		50.0	50.0		ug/L		100	41 - 142	0	31
N-Propylbenzene	ND		50.0	48.7		ug/L		97	51 - 138	3	30
o-Chlorotoluene	ND		50.0	46.2		ug/L		92	53 - 134	4	30
o-Xylene	ND		50.0	51.4		ug/L		103	61 - 130	5	30
p-Chlorotoluene	ND		50.0	49.4		ug/L		99	54 - 133	3	30
p-Isopropyltoluene	ND		50.0	50.0		ug/L		100	48 - 139	1	30
sec-Butylbenzene	ND		50.0	48.4		ug/L		97	50 - 138	3	30
Styrene	ND		50.0	50.2		ug/L		100	58 - 131	6	30
tert-Butylbenzene	ND		50.0	51.8		ug/L		104	54 - 146	3	30
1,1,1,2-Tetrachloroethane	ND		50.0	50.3		ug/L		101	59 - 137	7	30
1,1,2,2-Tetrachloroethane	ND		50.0	52.9		ug/L		106	66 - 135	7	30
Tetrachloroethene	ND		50.0	49.5		ug/L		99	52 - 133	5	30
Toluene	1.3		50.0	51.9		ug/L		101	65 - 130	6	30
trans-1,2-Dichloroethene	ND		50.0	48.0		ug/L		96	61 - 143	4	30
trans-1,3-Dichloropropene	ND		50.0	50.1		ug/L		100	53 - 133	7	30
1,2,3-Trichlorobenzene	ND		50.0	53.8		ug/L		108	43 - 145	1	30
1,2,4-Trichlorobenzene	ND		50.0	53.2		ug/L		106	39 - 148	1	30
1,1,1-Trichloroethane	ND		50.0	49.5		ug/L		99	57 - 142	6	30
1,1,2-Trichloroethane	ND		50.0	51.6		ug/L		103	66 - 131	9	30
Trichloroethene	ND		50.0	50.6		ug/L		101	64 - 136	5	30

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

Lab Sample ID: 400-124559-E-3 MSD
Matrix: Water
Analysis Batch: 315486

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Trichlorofluoromethane	ND		40.0	40.1		ug/L		100	54 - 156	9	30
1,2,3-Trichloropropane	ND		50.0	51.8		ug/L		104	65 - 133	8	30
1,2,4-Trimethylbenzene	ND		50.0	48.0		ug/L		96	50 - 139	3	30
1,3,5-Trimethylbenzene	ND		50.0	51.3		ug/L		103	52 - 135	3	30
Vinyl acetate	ND		80.0	82.2		ug/L		103	26 - 160	7	33
Vinyl chloride	ND		40.0	39.7		ug/L		99	46 - 152	6	30
Xylenes, Total	1.7	J	100	103		ug/L		102	59 - 130	5	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*78 - 118*
Dibromofluoromethane	*101*		*81 - 121*
Toluene-d8 (Surr)	*99*		*80 - 120*

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

Lab Sample ID: MB 400-314926/1-A
Matrix: Water
Analysis Batch: 315342

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 314926

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		07/19/16 17:02	07/22/16 14:23	1
Benzenethiol	ND		10	1.7	ug/L		07/19/16 17:02	07/22/16 14:23	1
Benzoic acid	ND		30	7.3	ug/L		07/19/16 17:02	07/22/16 14:23	1
Benzyl alcohol	ND		10	2.0	ug/L		07/19/16 17:02	07/22/16 14:23	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		07/19/16 17:02	07/22/16 14:23	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		07/19/16 17:02	07/22/16 14:23	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		07/19/16 17:02	07/22/16 14:23	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		07/19/16 17:02	07/22/16 14:23	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		07/19/16 17:02	07/22/16 14:23	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		07/19/16 17:02	07/22/16 14:23	1
4-Chloroaniline	ND		10	3.4	ug/L		07/19/16 17:02	07/22/16 14:23	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		07/19/16 17:02	07/22/16 14:23	1
2-Chloronaphthalene	ND		10	0.52	ug/L		07/19/16 17:02	07/22/16 14:23	1
2-Chlorophenol	ND		10	2.2	ug/L		07/19/16 17:02	07/22/16 14:23	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		07/19/16 17:02	07/22/16 14:23	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		07/19/16 17:02	07/22/16 14:23	1
Dibenzofuran	ND		10	0.52	ug/L		07/19/16 17:02	07/22/16 14:23	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		07/19/16 17:02	07/22/16 14:23	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		07/19/16 17:02	07/22/16 14:23	1
Diethyl phthalate	ND		10	0.70	ug/L		07/19/16 17:02	07/22/16 14:23	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		07/19/16 17:02	07/22/16 14:23	1
Dimethyl phthalate	ND		10	0.60	ug/L		07/19/16 17:02	07/22/16 14:23	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		07/19/16 17:02	07/22/16 14:23	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/19/16 17:02	07/22/16 14:23	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		07/19/16 17:02	07/22/16 14:23	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		07/19/16 17:02	07/22/16 14:23	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		07/19/16 17:02	07/22/16 14:23	1
Di-n-octyl phthalate	0.577	J	10	0.44	ug/L		07/19/16 17:02	07/22/16 14:23	1

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

Lab Sample ID: MB 400-314926/1-A
Matrix: Water
Analysis Batch: 315342

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 314926

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		10	1.0	ug/L		07/19/16 17:02	07/22/16 14:23	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		07/19/16 17:02	07/22/16 14:23	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/19/16 17:02	07/22/16 14:23	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		07/19/16 17:02	07/22/16 14:23	1
Hexachloroethane	ND		10	4.2	ug/L		07/19/16 17:02	07/22/16 14:23	1
Indene	ND		10	1.0	ug/L		07/19/16 17:02	07/22/16 14:23	1
Isophorone	ND		10	0.57	ug/L		07/19/16 17:02	07/22/16 14:23	1
2-Methylphenol	ND		10	1.8	ug/L		07/19/16 17:02	07/22/16 14:23	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		07/19/16 17:02	07/22/16 14:23	1
2-Nitroaniline	ND		10	2.2	ug/L		07/19/16 17:02	07/22/16 14:23	1
3-Nitroaniline	ND		10	1.8	ug/L		07/19/16 17:02	07/22/16 14:23	1
4-Nitroaniline	ND		10	2.5	ug/L		07/19/16 17:02	07/22/16 14:23	1
Nitrobenzene	ND		10	0.55	ug/L		07/19/16 17:02	07/22/16 14:23	1
2-Nitrophenol	ND		10	0.65	ug/L		07/19/16 17:02	07/22/16 14:23	1
4-Nitrophenol	ND		10	2.1	ug/L		07/19/16 17:02	07/22/16 14:23	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		07/19/16 17:02	07/22/16 14:23	1
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		07/19/16 17:02	07/22/16 14:23	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		07/19/16 17:02	07/22/16 14:23	1
Pentachlorophenol	ND		20	1.8	ug/L		07/19/16 17:02	07/22/16 14:23	1
Phenol	ND		10	2.6	ug/L		07/19/16 17:02	07/22/16 14:23	1
Pyridine	ND		10	3.2	ug/L		07/19/16 17:02	07/22/16 14:23	1
Quinoline	ND		10	6.0	ug/L		07/19/16 17:02	07/22/16 14:23	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		07/19/16 17:02	07/22/16 14:23	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		07/19/16 17:02	07/22/16 14:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*62*		*34 - 120*	*07/19/16 17:02*	*07/22/16 14:23*	*1*
2-Fluorophenol	*66*		*10 - 120*	*07/19/16 17:02*	*07/22/16 14:23*	*1*
Nitrobenzene-d5	*66*		*27 - 120*	*07/19/16 17:02*	*07/22/16 14:23*	*1*
Phenol-d5	*74*		*10 - 120*	*07/19/16 17:02*	*07/22/16 14:23*	*1*
Terphenyl-d14	*68*		*53 - 125*	*07/19/16 17:02*	*07/22/16 14:23*	*1*
2,4,6-Tribromophenol	*51*		*15 - 135*	*07/19/16 17:02*	*07/22/16 14:23*	*1*

Lab Sample ID: LCS 400-314926/2-A
Matrix: Water
Analysis Batch: 315342

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 314926

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aniline	30.0	8.06	J	ug/L		27	10 - 145
Benzoic acid	121	13.5	J	ug/L		11	10 - 120
Benzyl alcohol	30.0	25.4		ug/L		85	51 - 121
Bis(2-chloroethoxy)methane	30.0	19.3		ug/L		64	54 - 123
Bis(2-chloroethyl)ether	30.0	19.8		ug/L		66	47 - 120
bis (2-chloroisopropyl) ether	30.0	21.6		ug/L		72	20 - 142
Bis(2-ethylhexyl) phthalate	30.0	24.1		ug/L		80	62 - 140
4-Bromophenyl phenyl ether	30.0	21.9		ug/L		73	62 - 132
Butyl benzyl phthalate	30.0	23.8		ug/L		79	51 - 150

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

Lab Sample ID: LCS 400-314926/2-A
Matrix: Water
Analysis Batch: 315342

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 314926

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Chloroaniline	30.0	17.2		ug/L		57	32 - 128
4-Chloro-3-methylphenol	30.0	22.9		ug/L		76	47 - 135
2-Chloronaphthalene	30.0	19.7		ug/L		66	24 - 150
2-Chlorophenol	30.0	19.0		ug/L		63	45 - 120
4-Chlorophenyl phenyl ether	30.0	20.3		ug/L		68	61 - 133
Dibenz[a,h]acridine	30.0	23.9		ug/L		80	60 - 131
Dibenzofuran	30.0	20.0		ug/L		67	62 - 124
3,3'-Dichlorobenzidine	40.0	25.6		ug/L		64	16 - 167
2,4-Dichlorophenol	30.0	20.3		ug/L		68	52 - 125
Diethyl phthalate	30.0	22.5		ug/L		75	55 - 140
2,4-Dimethylphenol	30.0	19.8		ug/L		66	52 - 121
Dimethyl phthalate	30.0	21.3		ug/L		71	50 - 133
Di-n-butyl phthalate	30.0	23.8		ug/L		79	59 - 144
4,6-Dinitro-ortho-cresol	60.0	36.5		ug/L		61	46 - 136
2,4-Dinitrophenol	101	64.6		ug/L		64	22 - 146
2,4-Dinitrotoluene	30.0	22.7		ug/L		76	54 - 141
2,6-Dinitrotoluene	30.0	21.3		ug/L		71	61 - 130
Di-n-octyl phthalate	30.0	24.3		ug/L		81	55 - 140
1,4-Dioxane	30.0	12.7		ug/L		42	10 - 130
1,2-Diphenylhydrazine (as Azobenzene)	30.0	23.1		ug/L		77	55 - 139
Hexachlorobenzene	30.0	23.2		ug/L		77	60 - 138
Hexachlorocyclopentadiene	30.0	16.8	J	ug/L		56	1 - 139
Hexachloroethane	30.0	17.8		ug/L		59	46 - 121
Indene	30.0	18.2		ug/L		61	17 - 141
Isophorone	30.0	20.4		ug/L		68	57 - 122
2-Methylphenol	30.0	22.4		ug/L		75	38 - 121
3 & 4 Methylphenol	30.0	19.8	J	ug/L		66	43 - 126
2-Nitroaniline	30.0	26.0		ug/L		87	52 - 135
3-Nitroaniline	30.0	23.6		ug/L		79	51 - 128
4-Nitroaniline	30.0	24.2		ug/L		81	38 - 141
Nitrobenzene	30.0	18.7		ug/L		62	52 - 128
2-Nitrophenol	30.0	18.1		ug/L		60	47 - 129
4-Nitrophenol	60.0	50.5		ug/L		84	34 - 137
N-Nitrosodimethylamine	30.0	19.7		ug/L		66	21 - 134
N-Nitrosodi-n-propylamine	30.0	22.2		ug/L		74	41 - 143
N-Nitrosodiphenylamine	30.0	20.7		ug/L		69	10 - 185
Pentachlorophenol	60.0	41.2		ug/L		69	38 - 138
Phenol	30.0	22.8		ug/L		76	37 - 120
Pyridine	30.0	ND	*	ug/L		2	10 - 127
Quinoline	30.0	19.7		ug/L		66	10 - 164
2,4,5-Trichlorophenol	30.0	23.6		ug/L		79	53 - 130
2,4,6-Trichlorophenol	30.0	23.0		ug/L		77	52 - 131

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*60*		*34 - 120*
2-Fluorophenol	*59*		*10 - 120*
Nitrobenzene-d5	*57*		*27 - 120*

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

Lab Sample ID: LCS 400-314926/2-A
Matrix: Water
Analysis Batch: 315342

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 314926

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Phenol-d5	*67*		*10 - 120*
Terphenyl-d14	*66*		*53 - 125*
2,4,6-Tribromophenol	*72*		*15 - 135*

Lab Sample ID: LCS 400-314926/4-A
Matrix: Water
Analysis Batch: 315342

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 314926

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzenethiol			100	74.9		ug/L		75	20 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*68*		*34 - 120*
2-Fluorophenol	*75*		*10 - 120*
Nitrobenzene-d5	*74*		*27 - 120*
Phenol-d5	*79*		*10 - 120*
Terphenyl-d14	*75*		*53 - 125*
2,4,6-Tribromophenol	*51*		*15 - 135*

Lab Sample ID: LCSD 400-314926/3-A
Matrix: Water
Analysis Batch: 315342

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 314926

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aniline			30.0	8.22	J	ug/L		27	10 - 145	2	30
Benzoic acid			121	20.3	J *	ug/L		17	10 - 120	40	30
Benzyl alcohol			30.0	27.5		ug/L		92	51 - 121	8	30
Bis(2-chloroethoxy)methane			30.0	22.7		ug/L		76	54 - 123	16	30
Bis(2-chloroethyl)ether			30.0	22.3		ug/L		74	47 - 120	12	30
bis (2-chloroisopropyl) ether			30.0	24.6		ug/L		82	20 - 142	13	30
Bis(2-ethylhexyl) phthalate			30.0	24.9		ug/L		83	62 - 140	3	30
4-Bromophenyl phenyl ether			30.0	23.0		ug/L		77	62 - 132	5	30
Butyl benzyl phthalate			30.0	24.8		ug/L		83	51 - 150	4	30
4-Chloroaniline			30.0	19.9		ug/L		66	32 - 128	14	30
4-Chloro-3-methylphenol			30.0	25.5		ug/L		85	47 - 135	11	30
2-Chloronaphthalene			30.0	21.3		ug/L		71	24 - 150	8	30
2-Chlorophenol			30.0	21.9		ug/L		73	45 - 120	15	30
4-Chlorophenyl phenyl ether			30.0	21.6		ug/L		72	61 - 133	6	30
Dibenz[a,h]acridine			30.0	25.1		ug/L		84	60 - 131	5	30
Dibenzofuran			30.0	21.3		ug/L		71	62 - 124	7	30
3,3'-Dichlorobenzidine			40.0	27.2		ug/L		68	16 - 167	6	30
2,4-Dichlorophenol			30.0	23.6		ug/L		79	52 - 125	15	30
Diethyl phthalate			30.0	23.7		ug/L		79	55 - 140	5	30
2,4-Dimethylphenol			30.0	22.9		ug/L		76	52 - 121	14	30
Dimethyl phthalate			30.0	22.5		ug/L		75	50 - 133	6	30
Di-n-butyl phthalate			30.0	24.9		ug/L		83	59 - 144	5	30
4,6-Dinitro-ortho-cresol			60.0	38.0		ug/L		63	46 - 136	4	30
2,4-Dinitrophenol			101	63.4		ug/L		63	22 - 146	2	30

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

Lab Sample ID: LCSD 400-314926/3-A
Matrix: Water
Analysis Batch: 315342

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 314926

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-Dinitrotoluene	30.0	23.9		ug/L		80	54 - 141	5	30
2,6-Dinitrotoluene	30.0	22.5		ug/L		75	61 - 130	5	30
Di-n-octyl phthalate	30.0	24.9		ug/L		83	55 - 140	2	30
1,4-Dioxane	30.0	14.8		ug/L		49	10 - 130	15	30
1,2-Diphenylhydrazine (as Azobenzene)	30.0	24.8		ug/L		83	55 - 139	7	30
Hexachlorobenzene	30.0	24.4		ug/L		81	60 - 138	5	30
Hexachlorocyclopentadiene	30.0	19.1	J	ug/L		64	1 - 139	13	30
Hexachloroethane	30.0	20.1		ug/L		67	46 - 121	12	30
Indene	30.0	21.0		ug/L		70	17 - 141	14	30
Isophorone	30.0	23.5		ug/L		78	57 - 122	14	30
2-Methylphenol	30.0	26.2		ug/L		87	38 - 121	16	30
3 & 4 Methylphenol	30.0	22.1		ug/L		74	43 - 126	11	30
2-Nitroaniline	30.0	27.2		ug/L		91	52 - 135	4	30
3-Nitroaniline	30.0	25.3		ug/L		84	51 - 128	7	30
4-Nitroaniline	30.0	25.8		ug/L		86	38 - 141	6	30
Nitrobenzene	30.0	22.7		ug/L		76	52 - 128	19	30
2-Nitrophenol	30.0	21.4		ug/L		71	47 - 129	17	30
4-Nitrophenol	60.0	53.7		ug/L		89	34 - 137	6	30
N-Nitrosodimethylamine	30.0	21.7		ug/L		72	21 - 134	10	30
N-Nitrosodi-n-propylamine	30.0	24.7		ug/L		82	41 - 143	11	30
N-Nitrosodiphenylamine	30.0	22.0		ug/L		73	10 - 185	6	30
Pentachlorophenol	60.0	43.6		ug/L		73	38 - 138	6	30
Phenol	30.0	26.7		ug/L		89	37 - 120	16	30
Pyridine	30.0	ND	*	ug/L		2	10 - 127	8	30
Quinoline	30.0	21.3		ug/L		71	10 - 164	8	30
2,4,5-Trichlorophenol	30.0	24.9		ug/L		83	53 - 130	5	30
2,4,6-Trichlorophenol	30.0	24.1		ug/L		80	52 - 131	5	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*66*		*34 - 120*
2-Fluorophenol	*70*		*10 - 120*
Nitrobenzene-d5	*71*		*27 - 120*
Phenol-d5	*78*		*10 - 120*
Terphenyl-d14	*70*		*53 - 125*
2,4,6-Tribromophenol	*77*		*15 - 135*

Lab Sample ID: LCSD 400-314926/5-A
Matrix: Water
Analysis Batch: 315342

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 314926

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzenethiol	100	63.4		ug/L		63	20 - 150	17	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*62*		*34 - 120*
2-Fluorophenol	*68*		*10 - 120*
Nitrobenzene-d5	*67*		*27 - 120*

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

Lab Sample ID: LCSD 400-314926/5-A
Matrix: Water
Analysis Batch: 315342

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 314926

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Phenol-d5	73		10 - 120
Terphenyl-d14	68		53 - 125
2,4,6-Tribromophenol	50		15 - 135

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

Lab Sample ID: MB 400-314926/1-A
Matrix: Water
Analysis Batch: 315121

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 314926

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.020	ug/L		07/19/16 17:02	07/21/16 08:35	1
Acenaphthylene	ND		0.20	0.020	ug/L		07/19/16 17:02	07/21/16 08:35	1
Anthracene	ND		0.20	0.020	ug/L		07/19/16 17:02	07/21/16 08:35	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/19/16 17:02	07/21/16 08:35	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		07/19/16 17:02	07/21/16 08:35	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		07/19/16 17:02	07/21/16 08:35	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		07/19/16 17:02	07/21/16 08:35	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/19/16 17:02	07/21/16 08:35	1
Chrysene	ND		0.20	0.040	ug/L		07/19/16 17:02	07/21/16 08:35	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		07/19/16 17:02	07/21/16 08:35	1
Fluoranthene	ND		0.20	0.020	ug/L		07/19/16 17:02	07/21/16 08:35	1
Fluorene	ND		0.20	0.021	ug/L		07/19/16 17:02	07/21/16 08:35	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		07/19/16 17:02	07/21/16 08:35	1
Phenanthrene	ND		0.20	0.020	ug/L		07/19/16 17:02	07/21/16 08:35	1
Pyrene	ND		0.20	0.020	ug/L		07/19/16 17:02	07/21/16 08:35	1
1-Methylnaphthalene	ND		0.20	0.020	ug/L		07/19/16 17:02	07/21/16 08:35	1
2-Methylnaphthalene	ND		0.20	0.020	ug/L		07/19/16 17:02	07/21/16 08:35	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	54		33 - 138	07/19/16 17:02	07/21/16 08:35	1
2-Fluorobiphenyl	41		15 - 122	07/19/16 17:02	07/21/16 08:35	1
Nitrobenzene-d5	43		19 - 130	07/19/16 17:02	07/21/16 08:35	1

Lab Sample ID: LCS 400-314926/2-A
Matrix: Water
Analysis Batch: 315121

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 314926

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	30.0	23.9		ug/L		80	41 - 120
Acenaphthylene	30.0	24.3		ug/L		81	44 - 120
Anthracene	30.0	22.4		ug/L		75	49 - 120
Benzo[a]anthracene	30.0	23.2		ug/L		77	61 - 135
Benzo[a]pyrene	30.0	21.5		ug/L		72	52 - 120
Benzo[b]fluoranthene	30.0	22.1		ug/L		74	53 - 134
Benzo[g,h,i]perylene	30.0	23.6		ug/L		79	47 - 133
Benzo[k]fluoranthene	30.0	24.0		ug/L		80	57 - 134

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

Lab Sample ID: LCS 400-314926/2-A
Matrix: Water
Analysis Batch: 315121

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 314926

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chrysene	30.0	22.4		ug/L		75	55 - 122
Dibenz(a,h)anthracene	30.0	24.2		ug/L		81	48 - 146
Fluoranthene	30.0	24.0		ug/L		80	54 - 128
Fluorene	30.0	24.6		ug/L		82	45 - 125
Indeno[1,2,3-cd]pyrene	30.0	23.1		ug/L		77	43 - 142
Phenanthrene	30.0	24.1		ug/L		80	48 - 120
Pyrene	30.0	22.5		ug/L		75	48 - 132
1-Methylnaphthalene	30.0	21.3		ug/L		71	41 - 120
2-Methylnaphthalene	30.0	21.6		ug/L		72	32 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Terphenyl-d14	*73*		*33 - 138*
2-Fluorobiphenyl	*71*		*15 - 122*
Nitrobenzene-d5	*90*		*19 - 130*

Lab Sample ID: LCSD 400-314926/3-A
Matrix: Water
Analysis Batch: 315121

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 314926

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	30.0	27.3		ug/L		91	41 - 120	13	56
Acenaphthylene	30.0	27.4		ug/L		91	44 - 120	12	56
Anthracene	30.0	24.8		ug/L		83	49 - 120	10	51
Benzo[a]anthracene	30.0	25.5		ug/L		85	61 - 135	10	49
Benzo[a]pyrene	30.0	24.1		ug/L		80	52 - 120	11	50
Benzo[b]fluoranthene	30.0	25.3		ug/L		84	53 - 134	13	54
Benzo[g,h,i]perylene	30.0	26.2		ug/L		87	47 - 133	11	50
Benzo[k]fluoranthene	30.0	26.2		ug/L		87	57 - 134	9	52
Chrysene	30.0	24.8		ug/L		83	55 - 122	10	50
Dibenz(a,h)anthracene	30.0	27.6		ug/L		92	48 - 146	13	50
Fluoranthene	30.0	26.6		ug/L		89	54 - 128	10	52
Fluorene	30.0	27.8		ug/L		93	45 - 125	12	56
Indeno[1,2,3-cd]pyrene	30.0	25.8		ug/L		86	43 - 142	11	51
Phenanthrene	30.0	26.6		ug/L		89	48 - 120	10	56
Pyrene	30.0	24.9		ug/L		83	48 - 132	10	52
1-Methylnaphthalene	30.0	23.1		ug/L		77	41 - 120	8	55
2-Methylnaphthalene	30.0	24.4		ug/L		81	32 - 124	12	57

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Terphenyl-d14	*78*		*33 - 138*
2-Fluorobiphenyl	*78*		*15 - 122*
Nitrobenzene-d5	*103*		*19 - 130*

Method: 8011 - EDB and DBCP in Water by Microextraction

Lab Sample ID: MB 400-315512/1-A
Matrix: Water
Analysis Batch: 315812

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 315512

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		07/24/16 10:51	07/25/16 09:35	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		07/24/16 10:51	07/25/16 09:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*51 - 149*	*07/24/16 10:51*	*07/25/16 09:35*	*1*

Lab Sample ID: LCS 400-315512/2-A
Matrix: Water
Analysis Batch: 315812

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 315512

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	0.100	0.0973		ug/L		97	60 - 140
1,2-Dibromoethane	0.100	0.101		ug/L		101	60 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*51 - 149*

Lab Sample ID: LCSD 400-315512/3-A
Matrix: Water
Analysis Batch: 315812

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 315512

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane	0.100	0.104		ug/L		104	60 - 140	7	30
1,2-Dibromoethane	0.100	0.0841		ug/L		84	60 - 140	18	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*96*		*51 - 149*

124549

LAB (LOCATION)

Shell Oil Products US Chain Of Custody Record

AECOM

☐ ACCUTEST (_____)
☐ CALSCIENCE (_____)
☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr Pensacola, FL 32514 (850-474-1001))
☐ Other (Lab Vendor # 1364588 (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 - 1.03.003 / 1.03.0033
PlaNet Site or Project ID: 25278
GSAP Project ID: USPC/00114/R/02
☐ CHECK IF NO INCIDENT # APPLIES
DATE: 13 July 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 - 1.03.003 / 1.03.0033
ADDRESS: 1001 HIGHLANDS PLAZA DRIVE WEST - SUITE 300; ST. LOUIS, MO 63110
EDF DELIVERABLE TO (Name, Company, Office Location):
PHONE NO.:
E-MAIL:
AECOM Other ID
PROJECT CONTACT (Hardcopy or PDF Report to): Elizabeth Kunkel, Bob Billman, Lindsay Rathnow
SAMPLER NAME(S) (Print): I. Partin / R. Williams
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 DAY ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND
☐ LA - RWQCB REPORT FORMAT
DELIVERABLES: ☑ 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

☑ 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 - 1.03.0033: VOC 8011	PAH 8270LL	NON-UNIT COST 60477387 - 1.03.003: VOC 8260	SVOC 8270
	TB-ROX-071316W-8011	7/13/16	0000	WATER	2					2	X			
	TB-ROX-071316W-8260	"	0000	"	2					2			X	
	P59-ROX-071316	"	0955	"	4			2		6	2	1	2	1
	P57-ROX-071316	"	1110	"	4			2		6	2	1	2	1
	P93A-ROX-071316	"	1420	"	4			2		6	2	1	2	1
	P93A-ROX-071316-DUP	"	1420	"	4			2		6	2	1	2	1

FIELD NOTES:
TEMPERATURE ON RECEIPT C°
Container PID Readings or Laboratory Notes
7/15/16. CMK
1.5, 2.0, 1.4 IRS

400-124549 COC

13 July 2016

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
	FEDEX	13 July 2016	
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
	7/15/16		836
Relinquished by: (Signature)	Received by: (Signature)		

custody seals: Test America
743275 | 743277 | 743279
743276 | 743278 | 743280

Ref: S400-55340 Date: 03May16 SHIPPING: 0.00
Dep: Wgt: 10.00 LBS SPECIAL: 0.00
HANDLING: 0.00
DV: 0.00 TOTAL: 0.00
Svcs: PRIORITY OVERNIGHT
TRCK: 6546 8385 1594

Login Sample Receipt Checklist

Client: AECOM Technical Services Inc.

Job Number: 400-124549-1
SDG Number: 60477387 - 1.03.003/1.03.0033

Login Number: 124549
List Number: 1
Creator: Kovitch, Christina 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	1.5°,2.0°1.4°-IR5
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 (excluding tests with immediate HTs)	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.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

Certification Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 3Q16

TestAmerica Job ID: 400-124549-1
SDG: 60477387 - 1.03.003/1.03.0033

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	06-30-17
Arizona	State Program	9	AZ0710	01-11-17
Arkansas DEQ	State Program	6	88-0689	09-01-16
California	ELAP	9	2510	03-31-18
Florida	NELAP	4	E81010	06-30-17
Georgia	State Program	4	N/A	06-30-17
Illinois	NELAP	5	200041	10-09-16
Iowa	State Program	7	367	07-31-16 *
Kansas	NELAP	7	E-10253	10-31-16
Kentucky (UST)	State Program	4	53	06-30-17
Kentucky (WW)	State Program	4	98030	12-31-16
Louisiana	NELAP	6	30976	06-30-17
Maryland	State Program	3	233	09-30-17
Massachusetts	State Program	1	M-FL094	06-30-16 *
Michigan	State Program	5	9912	05-06-17
New Jersey	NELAP	2	FL006	06-30-17
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	06-30-17
Texas	NELAP	6	T104704286-15-9	09-30-16
USDA	Federal		P330-16-00172	05-24-19
Virginia	NELAP	3	460166	06-14-17
Washington	State Program	10	C915	05-15-17
West Virginia DEP	State Program	3	136	08-31-16

* Certification renewal pending - certification considered valid.

Roxana Groundwater Quarterly – 3rd Quarter 2016 Data Review

Laboratory SDG: 400-124552-1

Data Reviewer: Melissa Mansker

Peer Reviewer: Elizabeth Kunkel

Date Reviewed: 8/11/2016

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

Sample Identification	Sample Identification
TB-ROX-071316R-8011	TB-ROX-071316R-8260
MW11-ROX-071316	MW27-ROX-071316
MW10-ROX-071316	MW9-ROX-071316

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 di-n-octyl phthalate was detected in the method blank. Several VOC and SVOC LCS/LCSD recoveries and SVOC LCS/LCSD RPDs were outside evaluation criteria. These issues are addressed further in the appropriate sections below.

Additionally, the continuing calibration verification for 2-chloroethyl vinyl ether, benzyl alcohol, and n-nitrosodimethylamine exceeded evaluation criteria. 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 two of three coolers were received by the laboratory at temperatures of 1.4°C and 1.5°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 400-314926/1-A	SVOCs	Di-n-octyl phthalate	0.577 µg/L

Qualifications due to blank contamination are included in the table below. Analytical

data that were reported non-detect or at concentrations greater than five times (5X) the associated blank concentration did not require qualification.

Sample ID	Parameter	Analyte	New Reporting Limit (RL)	Qualification
MW11-ROX-071316	SVOCs	Di-n-octyl phthalate	-	**U**
MW27-ROX-071316	SVOCs	Di-n-octyl phthalate	-	**U**
MW10-ROX-071316	SVOCs	Di-n-octyl phthalate	-	**U**
MW9-ROX-071316	SVOCs	Di-n-octyl phthalate	-	**U**

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 400-315486/1002	VOCs	2-Chloroethyl vinyl ether	**289**	NA	10-160
LCS 400-315518/1002	VOCs	2-Chloroethyl vinyl ether	**315**	NA	10-160
LCS/LCSD 400-314926/2-A/3-A	SVOCs	Benzoic acid	11/17	**40**	10-120/30
LCS/LCSD 400-314926/2-A/3-A	SVOCs	Pyridine	**2/2**	8	10-127/30

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
MW11-ROX-071316	SVOCs	Pyridine	**UJ**
MW27-ROX-071316	SVOCs	Pyridine	**UJ**
MW10-ROX-071316	SVOCs	Pyridine	**UJ**
MW9-ROX-071316	SVOCs	Pyridine	**UJ**

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?

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

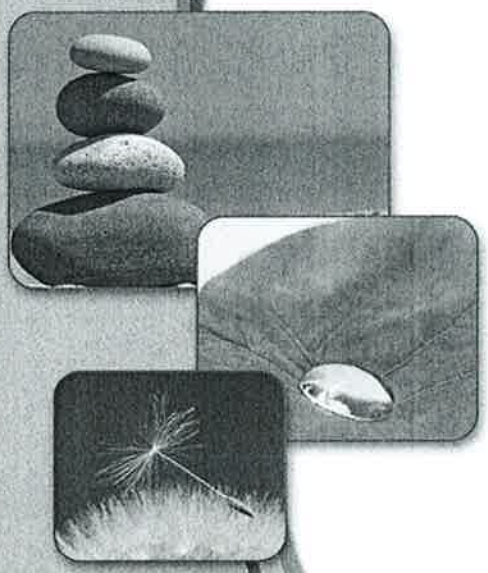
For samples that were diluted and nondetect, were undiluted results also reported?

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: 400-124552-1
TestAmerica SDG: 60477387 - 1.03.003/1.03.0033
Client Project/Site: ROXANA QUARTERLY GW - 3Q16

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:
7/31/2016 12:45:27 PM

Carolyn Hooper, Project Manager I
(850)471-6226
carolyn.hooper@testamericainc.com

LINKS

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Reviewed 8/11/2016

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: 400-124552-1

Laboratory: TestAmerica Pensacola

Narrative

Job Narrative
400-124552-1

Receipt
The samples were received on 7/15/2016 8:36 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 3 coolers at receipt time were 1.4°C, 1.5°C and 2.0°C.

GC/MS VOA
Method 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-315486 were outside control limits for 2-Chloroethyl vinyl ether due to the acidic nature of the parent sample.

The continuing calibration verification (CCV) associated with batch 400-315486 recovered above the upper control limit for 2-chloroethyl vinyl ether. The samples associated with this CCV were non-detects for the affected analyte therefore, the data have been reported.

The laboratory control sample (LCS) for analytical batch 400-315486 recovered outside control limits for one analyte. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

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: MW9-ROX-071316 (400-124552-6). The requested target analyte list includes 2-chloroethyl vinyl ether, Acrolein and Acrylonitrile, which are acid-labile compounds that degrade in an acidic medium.

The continuing calibration verification (CCV) associated with batch 400-315518 recovered above the upper control limit for 2-Chloroethyl vinyl ether. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The laboratory control sample (LCS) for analytical batch 400-315518 recovered outside control limits for one analyte. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-315518 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 315518 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 samples were received preserved with hydrochloric acid: TB-ROX-071316R-8260 (400-124552-2), MW11-ROX-071316 (400-124552-3) and MW-27-ROX-071316 (400-124552-4). The requested target analyte list include 2-chloroethyl vinyl ether, Acrolein and Acrylonitrile, which an acid-labile compounds that degrade in an acidic medium.

The RPD for the matrix spike / matrix spike duplicate (MS/MSD) for 2-Chloroethyl vinyl ether was not calculable for analytical batch 400-315486 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 400-315342 recovered above the upper control limit for Benzyl alcohol and N-Nitrosodimethylamine. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: MW11-ROX-071316 (400-124552-3), MW-27-ROX-071316 (400-124552-4), MW10-ROX-071316 (400-124552-5) and MW9-ROX-071316 (400-124552-6).

The following analytes recovered outside control limits for the LCS/LCSD associated with preparation batch 400-314926 and analytical batch 400-315342: Pyridine. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.

The method blank for preparation batch 400-314926 and analytical batch 400-315342 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.

Job ID: 400-124552-1 (Continued)

Laboratory: TestAmerica Pensacola (Continued)

The %RPD of the laboratory control sample (LCS) and laboratory control standard duplicate (LCSD) for preparation batch 400-314926 recovered outside control limits for the following analytes: Benzoic acid.

The continuing calibration verification (CCV) associated with batch 400-315342 recovered above the upper control limit for Benzyl alcohol and N-Nitrosodimethylamine. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following sample is impacted: (MB 400-314926/1-A).

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

Sample Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 3Q16

TestAmerica Job ID: 400-124552-1
SDG: 60477387 - 1.03.003/1.03.0033

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-124552-1	TB-ROX-071316R-8011	Water	07/13/16 00:00	07/15/16 08:36
400-124552-2	TB-ROX-071316R-8260	Water	07/13/16 00:00	07/15/16 08:36
400-124552-3	MW11-ROX-071316	Water	07/13/16 09:05	07/15/16 08:36
400-124552-4	MW-27-ROX-071316	Water	07/13/16 10:30	07/15/16 08:36
400-124552-5	MW10-ROX-071316	Water	07/13/16 11:40	07/15/16 08:36
400-124552-6	MW9-ROX-071316	Water	07/13/16 14:00	07/15/16 08:36

Detection Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 3Q16

TestAmerica Job ID: 400-124552-1
SDG: 60477387 - 1.03.003/1.03.0033

Client Sample ID: TB-ROX-071316R-8011 — Lab Sample ID: 400-124552-1

No Detections.

Client Sample ID: TB-ROX-071316R-8260 — Lab Sample ID: 400-124552-2

No Detections.

Client Sample ID: MW11-ROX-071316 — Lab Sample ID: 400-124552-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzyl alcohol	11		10	2.0	ug/L	1		8270D	Total/NA
Di-n-octyl phthalate	~~0.65~~	J B U	10	0.44	ug/L	1		8270D	Total/NA

Client Sample ID: MW-27-ROX-071316 — Lab Sample ID: 400-124552-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1-Methylnaphthalene	0.020	J	0.20	0.020	ug/L	1		8270D LL	Total/NA
2-Methylnaphthalene	0.028	J	0.20	0.020	ug/L	1		8270D LL	Total/NA
Di-n-octyl phthalate	~~0.54~~	J B U	10	0.44	ug/L	1		8270D	Total/NA

Client Sample ID: MW10-ROX-071316 — Lab Sample ID: 400-124552-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.60	J	1.0	0.38	ug/L	1		8260B	Total/NA
1-Methylnaphthalene	0.030	J	0.20	0.020	ug/L	1		8270D LL	Total/NA
2-Methylnaphthalene	0.033	J	0.20	0.020	ug/L	1		8270D LL	Total/NA
Di-n-octyl phthalate	~~0.56~~	J B U	10	0.44	ug/L	1		8270D	Total/NA

Client Sample ID: MW9-ROX-071316 — Lab Sample ID: 400-124552-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1-Methylnaphthalene	0.027	J	0.20	0.020	ug/L	1		8270D LL	Total/NA
2-Methylnaphthalene	0.027	J	0.20	0.020	ug/L	1		8270D LL	Total/NA
Di-n-octyl phthalate	~~0.66~~	J B U	10	0.44	ug/L	1		8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: TB-ROX-071316R-8011
Date Collected: 07/13/16 00:00
Date Received: 07/15/16 08:36

Lab Sample ID: 400-124552-1
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	0.0057	ug/L		07/24/16 10:44	07/26/16 00:32	1
1,2-Dibromoethane	ND		0.021	0.0052	ug/L		07/24/16 10:44	07/26/16 00:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*89*		*51 - 149*	*07/24/16 10:44*	*07/26/16 00:32*	*1*

Client Sample ID: TB-ROX-071316R-8260
Date Collected: 07/13/16 00:00
Date Received: 07/15/16 08:36

Lab Sample ID: 400-124552-2
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			07/24/16 17:02	1
Acrolein	ND		20	10	ug/L			07/24/16 17:02	1
Acrylonitrile	ND		10	2.8	ug/L			07/24/16 17:02	1
Benzene	ND		1.0	0.38	ug/L			07/24/16 17:02	1
Bromobenzene	ND		1.0	0.54	ug/L			07/24/16 17:02	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/24/16 17:02	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/24/16 17:02	1
Bromoform	ND		5.0	0.71	ug/L			07/24/16 17:02	1
Bromomethane	ND		1.0	0.98	ug/L			07/24/16 17:02	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/24/16 17:02	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/24/16 17:02	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			07/24/16 17:02	1
Chlorobenzene	ND		1.0	0.50	ug/L			07/24/16 17:02	1
Dibromochloromethane	ND		1.0	0.50	ug/L			07/24/16 17:02	1
Chloroethane	ND		1.0	0.76	ug/L			07/24/16 17:02	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/24/16 17:02	1
Chloroform	ND		1.0	0.60	ug/L			07/24/16 17:02	1
1-Chlorohexane	ND		1.0	0.70	ug/L			07/24/16 17:02	1
Chloromethane	ND		1.0	0.83	ug/L			07/24/16 17:02	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/24/16 17:02	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/24/16 17:02	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/24/16 17:02	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/24/16 17:02	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/24/16 17:02	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/24/16 17:02	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/24/16 17:02	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			07/24/16 17:02	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/24/16 17:02	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/24/16 17:02	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/24/16 17:02	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/24/16 17:02	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			07/24/16 17:02	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/24/16 17:02	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/24/16 17:02	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/24/16 17:02	1
2-Hexanone	ND		25	3.1	ug/L			07/24/16 17:02	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/24/16 17:02	1
Methylene bromide	ND		5.0	0.59	ug/L			07/24/16 17:02	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/24/16 17:02	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/24/16 17:02	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			07/24/16 17:02	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			07/24/16 17:02	1
Naphthalene	ND		1.0	1.0	ug/L			07/24/16 17:02	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/24/16 17:02	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/24/16 17:02	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/24/16 17:02	1
o-Xylene	ND		5.0	0.60	ug/L			07/24/16 17:02	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/24/16 17:02	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/24/16 17:02	1

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 3Q16

TestAmerica Job ID: 400-124552-1
SDG: 60477387 - 1.03.003/1.03.0033

Client Sample ID: TB-ROX-071316R-8260
Date Collected: 07/13/16 00:00
Date Received: 07/15/16 08:36

Lab Sample ID: 400-124552-2
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			07/24/16 17:02	1
Styrene	ND		1.0	1.0	ug/L			07/24/16 17:02	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/24/16 17:02	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			07/24/16 17:02	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/24/16 17:02	1
Tetrachloroethene	ND		1.0	0.58	ug/L			07/24/16 17:02	1
Toluene	ND		1.0	0.70	ug/L			07/24/16 17:02	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/24/16 17:02	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/24/16 17:02	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			07/24/16 17:02	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/24/16 17:02	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			07/24/16 17:02	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			07/24/16 17:02	1
Trichloroethene	ND		1.0	0.50	ug/L			07/24/16 17:02	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			07/24/16 17:02	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/24/16 17:02	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/24/16 17:02	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/24/16 17:02	1
Vinyl acetate	ND		25	2.0	ug/L			07/24/16 17:02	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/24/16 17:02	1
Xylenes, Total	ND		10	1.6	ug/L			07/24/16 17:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*78 - 118*		*07/24/16 17:02*	*1*
Dibromofluoromethane	*104*		*81 - 121*		*07/24/16 17:02*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*07/24/16 17:02*	*1*

Client Sample ID: MW11-ROX-071316
Date Collected: 07/13/16 09:05
Date Received: 07/15/16 08:36

Lab Sample ID: 400-124552-3
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			07/24/16 17:28	1
Acrolein	ND		20	10	ug/L			07/24/16 17:28	1
Acrylonitrile	ND		10	2.8	ug/L			07/24/16 17:28	1
Benzene	ND		1.0	0.38	ug/L			07/24/16 17:28	1
Bromobenzene	ND		1.0	0.54	ug/L			07/24/16 17:28	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/24/16 17:28	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/24/16 17:28	1
Bromoform	ND		5.0	0.71	ug/L			07/24/16 17:28	1
Bromomethane	ND		1.0	0.98	ug/L			07/24/16 17:28	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/24/16 17:28	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/24/16 17:28	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			07/24/16 17:28	1
Chlorobenzene	ND		1.0	0.50	ug/L			07/24/16 17:28	1
Dibromochloromethane	ND		1.0	0.50	ug/L			07/24/16 17:28	1
Chloroethane	ND		1.0	0.76	ug/L			07/24/16 17:28	1
2-Chloroethyl vinyl ether	ND	*	5.0	2.0	ug/L			07/24/16 17:28	1
Chloroform	ND		1.0	0.60	ug/L			07/24/16 17:28	1
1-Chlorohexane	ND		1.0	0.70	ug/L			07/24/16 17:28	1
Chloromethane	ND		1.0	0.83	ug/L			07/24/16 17:28	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/24/16 17:28	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/24/16 17:28	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/24/16 17:28	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/24/16 17:28	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/24/16 17:28	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/24/16 17:28	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/24/16 17:28	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			07/24/16 17:28	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/24/16 17:28	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/24/16 17:28	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/24/16 17:28	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/24/16 17:28	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			07/24/16 17:28	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/24/16 17:28	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/24/16 17:28	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/24/16 17:28	1
2-Hexanone	ND		25	3.1	ug/L			07/24/16 17:28	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/24/16 17:28	1
Methylene bromide	ND		5.0	0.59	ug/L			07/24/16 17:28	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/24/16 17:28	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/24/16 17:28	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			07/24/16 17:28	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			07/24/16 17:28	1
Naphthalene	ND		1.0	1.0	ug/L			07/24/16 17:28	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/24/16 17:28	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/24/16 17:28	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/24/16 17:28	1
o-Xylene	ND		5.0	0.60	ug/L			07/24/16 17:28	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/24/16 17:28	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/24/16 17:28	1

Client Sample ID: MW11-ROX-071316
Date Collected: 07/13/16 09:05
Date Received: 07/15/16 08:36

Lab Sample ID: 400-124552-3
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			07/24/16 17:28	1
Styrene	ND		1.0	1.0	ug/L			07/24/16 17:28	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/24/16 17:28	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			07/24/16 17:28	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/24/16 17:28	1
Tetrachloroethene	ND		1.0	0.58	ug/L			07/24/16 17:28	1
Toluene	ND		1.0	0.70	ug/L			07/24/16 17:28	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/24/16 17:28	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/24/16 17:28	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			07/24/16 17:28	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/24/16 17:28	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			07/24/16 17:28	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			07/24/16 17:28	1
Trichloroethene	ND		1.0	0.50	ug/L			07/24/16 17:28	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			07/24/16 17:28	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/24/16 17:28	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/24/16 17:28	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/24/16 17:28	1
Vinyl acetate	ND		25	2.0	ug/L			07/24/16 17:28	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/24/16 17:28	1
Xylenes, Total	ND		10	1.6	ug/L			07/24/16 17:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*78 - 118*		*07/24/16 17:28*	*1*
Dibromofluoromethane	*105*		*81 - 121*		*07/24/16 17:28*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*07/24/16 17:28*	*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		07/19/16 17:02	07/21/16 11:16	1
Acenaphthylene	ND		0.20	0.020	ug/L		07/19/16 17:02	07/21/16 11:16	1
Anthracene	ND		0.20	0.020	ug/L		07/19/16 17:02	07/21/16 11:16	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/19/16 17:02	07/21/16 11:16	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		07/19/16 17:02	07/21/16 11:16	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		07/19/16 17:02	07/21/16 11:16	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		07/19/16 17:02	07/21/16 11:16	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/19/16 17:02	07/21/16 11:16	1
Chrysene	ND		0.20	0.040	ug/L		07/19/16 17:02	07/21/16 11:16	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		07/19/16 17:02	07/21/16 11:16	1
Fluoranthene	ND		0.20	0.020	ug/L		07/19/16 17:02	07/21/16 11:16	1
Fluorene	ND		0.20	0.021	ug/L		07/19/16 17:02	07/21/16 11:16	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		07/19/16 17:02	07/21/16 11:16	1
Phenanthrene	ND		0.20	0.020	ug/L		07/19/16 17:02	07/21/16 11:16	1
Pyrene	ND		0.20	0.020	ug/L		07/19/16 17:02	07/21/16 11:16	1
1-Methylnaphthalene	ND		0.20	0.020	ug/L		07/19/16 17:02	07/21/16 11:16	1
2-Methylnaphthalene	ND		0.20	0.020	ug/L		07/19/16 17:02	07/21/16 11:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*57*		*33 - 138*	*07/19/16 17:02*	*07/21/16 11:16*	*1*
2-Fluorobiphenyl	*60*		*15 - 122*	*07/19/16 17:02*	*07/21/16 11:16*	*1*

Client Sample ID: MW11-ROX-071316
Date Collected: 07/13/16 09:05
Date Received: 07/15/16 08:36

Lab Sample ID: 400-124552-3
Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*56*		*19 - 130*	*07/19/16 17:02*	*07/21/16 11:16*	*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		07/19/16 17:02	07/22/16 19:01	1
Benzenethiol	ND		10	1.7	ug/L		07/19/16 17:02	07/22/16 19:01	1
Benzoic acid	ND	*	30	7.3	ug/L		07/19/16 17:02	07/22/16 19:01	1
Benzyl alcohol	**11**		10	2.0	ug/L		07/19/16 17:02	07/26/16 16:27	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		07/19/16 17:02	07/22/16 19:01	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		07/19/16 17:02	07/22/16 19:01	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		07/19/16 17:02	07/22/16 19:01	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		07/19/16 17:02	07/22/16 19:01	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		07/19/16 17:02	07/22/16 19:01	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		07/19/16 17:02	07/22/16 19:01	1
4-Chloroaniline	ND		10	3.4	ug/L		07/19/16 17:02	07/22/16 19:01	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		07/19/16 17:02	07/22/16 19:01	1
2-Chloronaphthalene	ND		10	0.52	ug/L		07/19/16 17:02	07/22/16 19:01	1
2-Chlorophenol	ND		10	2.2	ug/L		07/19/16 17:02	07/22/16 19:01	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		07/19/16 17:02	07/22/16 19:01	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		07/19/16 17:02	07/22/16 19:01	1
Dibenzofuran	ND		10	0.52	ug/L		07/19/16 17:02	07/22/16 19:01	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		07/19/16 17:02	07/22/16 19:01	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		07/19/16 17:02	07/22/16 19:01	1
Diethyl phthalate	ND		10	0.70	ug/L		07/19/16 17:02	07/22/16 19:01	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		07/19/16 17:02	07/22/16 19:01	1
Dimethyl phthalate	ND		10	0.60	ug/L		07/19/16 17:02	07/22/16 19:01	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		07/19/16 17:02	07/22/16 19:01	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/19/16 17:02	07/22/16 19:01	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		07/19/16 17:02	07/22/16 19:01	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		07/19/16 17:02	07/22/16 19:01	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		07/19/16 17:02	07/22/16 19:01	1
Di-n-octyl phthalate	~~0.65~~	J B	10	0.44	ug/L		07/19/16 17:02	07/22/16 19:01	1
1,4-Dioxane	ND		10	1.0	ug/L		07/19/16 17:02	07/22/16 19:01	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		07/19/16 17:02	07/22/16 19:01	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/19/16 17:02	07/22/16 19:01	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		07/19/16 17:02	07/22/16 19:01	1
Hexachloroethane	ND		10	4.2	ug/L		07/19/16 17:02	07/22/16 19:01	1
Indene	ND		10	1.0	ug/L		07/19/16 17:02	07/22/16 19:01	1
Isophorone	ND		10	0.57	ug/L		07/19/16 17:02	07/22/16 19:01	1
2-Methylphenol	ND		10	1.8	ug/L		07/19/16 17:02	07/22/16 19:01	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		07/19/16 17:02	07/22/16 19:01	1
2-Nitroaniline	ND		10	2.2	ug/L		07/19/16 17:02	07/22/16 19:01	1
3-Nitroaniline	ND		10	1.8	ug/L		07/19/16 17:02	07/22/16 19:01	1
4-Nitroaniline	ND		10	2.5	ug/L		07/19/16 17:02	07/22/16 19:01	1
Nitrobenzene	ND		10	0.55	ug/L		07/19/16 17:02	07/22/16 19:01	1
2-Nitrophenol	ND		10	0.65	ug/L		07/19/16 17:02	07/22/16 19:01	1
4-Nitrophenol	ND		10	2.1	ug/L		07/19/16 17:02	07/22/16 19:01	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		07/19/16 17:02	07/22/16 19:01	1

Client Sample ID: MW11-ROX-071316
Date Collected: 07/13/16 09:05
Date Received: 07/15/16 08:36

Lab Sample ID: 400-124552-3
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		07/19/16 17:02	07/22/16 19:01	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		07/19/16 17:02	07/22/16 19:01	1
Pentachlorophenol	ND		20	1.8	ug/L		07/19/16 17:02	07/22/16 19:01	1
Phenol	ND		10	2.6	ug/L		07/19/16 17:02	07/22/16 19:01	1
Pyridine	ND	* UJ	10	3.2	ug/L		07/19/16 17:02	07/22/16 19:01	1
Quinoline	ND		10	6.0	ug/L		07/19/16 17:02	07/22/16 19:01	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		07/19/16 17:02	07/22/16 19:01	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		07/19/16 17:02	07/22/16 19:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*64*		*34 - 120*	*07/19/16 17:02*	*07/22/16 19:01*	*1*
2-Fluorophenol	*17*		*10 - 120*	*07/19/16 17:02*	*07/22/16 19:01*	*1*
Nitrobenzene-d5	*67*		*27 - 120*	*07/19/16 17:02*	*07/22/16 19:01*	*1*
Phenol-d5	*38*		*10 - 120*	*07/19/16 17:02*	*07/22/16 19:01*	*1*
Terphenyl-d14	*56*		*53 - 125*	*07/19/16 17:02*	*07/22/16 19:01*	*1*
2,4,6-Tribromophenol	*36*		*15 - 135*	*07/19/16 17:02*	*07/22/16 19:01*	*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	0.0053	ug/L		07/24/16 10:44	07/26/16 01:02	1
1,2-Dibromoethane	ND		0.019	0.0049	ug/L		07/24/16 10:44	07/26/16 01:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*51 - 149*	*07/24/16 10:44*	*07/26/16 01:02*	*1*

Client Sample ID: MW-27-ROX-071316
Date Collected: 07/13/16 10:30
Date Received: 07/15/16 08:36

Lab Sample ID: 400-124552-4
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			07/24/16 17:54	1
Acrolein	ND		20	10	ug/L			07/24/16 17:54	1
Acrylonitrile	ND		10	2.8	ug/L			07/24/16 17:54	1
Benzene	ND		1.0	0.38	ug/L			07/24/16 17:54	1
Bromobenzene	ND		1.0	0.54	ug/L			07/24/16 17:54	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/24/16 17:54	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/24/16 17:54	1
Bromoform	ND		5.0	0.71	ug/L			07/24/16 17:54	1
Bromomethane	ND		1.0	0.98	ug/L			07/24/16 17:54	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/24/16 17:54	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/24/16 17:54	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			07/24/16 17:54	1
Chlorobenzene	ND		1.0	0.50	ug/L			07/24/16 17:54	1
Dibromochloromethane	ND		1.0	0.50	ug/L			07/24/16 17:54	1
Chloroethane	ND		1.0	0.76	ug/L			07/24/16 17:54	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/24/16 17:54	1
Chloroform	ND		1.0	0.60	ug/L			07/24/16 17:54	1
1-Chlorohexane	ND		1.0	0.70	ug/L			07/24/16 17:54	1
Chloromethane	ND		1.0	0.83	ug/L			07/24/16 17:54	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/24/16 17:54	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/24/16 17:54	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/24/16 17:54	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/24/16 17:54	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/24/16 17:54	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/24/16 17:54	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/24/16 17:54	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			07/24/16 17:54	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/24/16 17:54	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/24/16 17:54	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/24/16 17:54	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/24/16 17:54	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			07/24/16 17:54	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/24/16 17:54	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/24/16 17:54	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/24/16 17:54	1
2-Hexanone	ND		25	3.1	ug/L			07/24/16 17:54	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/24/16 17:54	1
Methylene bromide	ND		5.0	0.59	ug/L			07/24/16 17:54	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/24/16 17:54	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/24/16 17:54	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			07/24/16 17:54	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			07/24/16 17:54	1
Naphthalene	ND		1.0	1.0	ug/L			07/24/16 17:54	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/24/16 17:54	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/24/16 17:54	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/24/16 17:54	1
o-Xylene	ND		5.0	0.60	ug/L			07/24/16 17:54	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/24/16 17:54	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/24/16 17:54	1

Client Sample ID: MW-27-ROX-071316
Date Collected: 07/13/16 10:30
Date Received: 07/15/16 08:36

Lab Sample ID: 400-124552-4
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			07/24/16 17:54	1
Styrene	ND		1.0	1.0	ug/L			07/24/16 17:54	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/24/16 17:54	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			07/24/16 17:54	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/24/16 17:54	1
Tetrachloroethene	ND		1.0	0.58	ug/L			07/24/16 17:54	1
Toluene	ND		1.0	0.70	ug/L			07/24/16 17:54	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/24/16 17:54	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/24/16 17:54	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			07/24/16 17:54	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/24/16 17:54	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			07/24/16 17:54	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			07/24/16 17:54	1
Trichloroethene	ND		1.0	0.50	ug/L			07/24/16 17:54	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			07/24/16 17:54	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/24/16 17:54	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/24/16 17:54	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/24/16 17:54	1
Vinyl acetate	ND		25	2.0	ug/L			07/24/16 17:54	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/24/16 17:54	1
Xylenes, Total	ND		10	1.6	ug/L			07/24/16 17:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*78 - 118*		*07/24/16 17:54*	*1*
Dibromofluoromethane	*104*		*81 - 121*		*07/24/16 17:54*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*07/24/16 17:54*	*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		07/19/16 17:02	07/21/16 11:39	1
Acenaphthylene	ND		0.20	0.020	ug/L		07/19/16 17:02	07/21/16 11:39	1
Anthracene	ND		0.20	0.020	ug/L		07/19/16 17:02	07/21/16 11:39	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/19/16 17:02	07/21/16 11:39	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		07/19/16 17:02	07/21/16 11:39	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		07/19/16 17:02	07/21/16 11:39	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		07/19/16 17:02	07/21/16 11:39	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/19/16 17:02	07/21/16 11:39	1
Chrysene	ND		0.20	0.040	ug/L		07/19/16 17:02	07/21/16 11:39	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		07/19/16 17:02	07/21/16 11:39	1
Fluoranthene	ND		0.20	0.020	ug/L		07/19/16 17:02	07/21/16 11:39	1
Fluorene	ND		0.20	0.021	ug/L		07/19/16 17:02	07/21/16 11:39	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		07/19/16 17:02	07/21/16 11:39	1
Phenanthrene	ND		0.20	0.020	ug/L		07/19/16 17:02	07/21/16 11:39	1
Pyrene	ND		0.20	0.020	ug/L		07/19/16 17:02	07/21/16 11:39	1
1-Methylnaphthalene	**0.020**	J	0.20	0.020	ug/L		07/19/16 17:02	07/21/16 11:39	1
2-Methylnaphthalene	**0.028**	J	0.20	0.020	ug/L		07/19/16 17:02	07/21/16 11:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*95*		*33 - 138*	*07/19/16 17:02*	*07/21/16 11:39*	*1*
2-Fluorobiphenyl	*72*		*15 - 122*	*07/19/16 17:02*	*07/21/16 11:39*	*1*

Client Sample ID: MW-27-ROX-071316
Date Collected: 07/13/16 10:30
Date Received: 07/15/16 08:36

Lab Sample ID: 400-124552-4
Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	71		19 - 130	07/19/16 17:02	07/21/16 11:39	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		07/19/16 17:02	07/22/16 19:31	1
Benzenethiol	ND		10	1.7	ug/L		07/19/16 17:02	07/22/16 19:31	1
Benzoic acid	ND	*	30	7.3	ug/L		07/19/16 17:02	07/22/16 19:31	1
Benzyl alcohol	ND		10	2.0	ug/L		07/19/16 17:02	07/22/16 19:31	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		07/19/16 17:02	07/22/16 19:31	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		07/19/16 17:02	07/22/16 19:31	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		07/19/16 17:02	07/22/16 19:31	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		07/19/16 17:02	07/22/16 19:31	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		07/19/16 17:02	07/22/16 19:31	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		07/19/16 17:02	07/22/16 19:31	1
4-Chloroaniline	ND		10	3.4	ug/L		07/19/16 17:02	07/22/16 19:31	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		07/19/16 17:02	07/22/16 19:31	1
2-Chloronaphthalene	ND		10	0.52	ug/L		07/19/16 17:02	07/22/16 19:31	1
2-Chlorophenol	ND		10	2.2	ug/L		07/19/16 17:02	07/22/16 19:31	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		07/19/16 17:02	07/22/16 19:31	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		07/19/16 17:02	07/22/16 19:31	1
Dibenzofuran	ND		10	0.52	ug/L		07/19/16 17:02	07/22/16 19:31	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		07/19/16 17:02	07/22/16 19:31	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		07/19/16 17:02	07/22/16 19:31	1
Diethyl phthalate	ND		10	0.70	ug/L		07/19/16 17:02	07/22/16 19:31	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		07/19/16 17:02	07/22/16 19:31	1
Dimethyl phthalate	ND		10	0.60	ug/L		07/19/16 17:02	07/22/16 19:31	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		07/19/16 17:02	07/22/16 19:31	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/19/16 17:02	07/22/16 19:31	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		07/19/16 17:02	07/22/16 19:31	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		07/19/16 17:02	07/22/16 19:31	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		07/19/16 17:02	07/22/16 19:31	1
Di-n-octyl phthalate	~~0.54~~	J B	10	0.44	ug/L		07/19/16 17:02	07/22/16 19:31	1
1,4-Dioxane	ND		10	1.0	ug/L		07/19/16 17:02	07/22/16 19:31	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		07/19/16 17:02	07/22/16 19:31	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/19/16 17:02	07/22/16 19:31	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		07/19/16 17:02	07/22/16 19:31	1
Hexachloroethane	ND		10	4.2	ug/L		07/19/16 17:02	07/22/16 19:31	1
Indene	ND		10	1.0	ug/L		07/19/16 17:02	07/22/16 19:31	1
Isophorone	ND		10	0.57	ug/L		07/19/16 17:02	07/22/16 19:31	1
2-Methylphenol	ND		10	1.8	ug/L		07/19/16 17:02	07/22/16 19:31	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		07/19/16 17:02	07/22/16 19:31	1
2-Nitroaniline	ND		10	2.2	ug/L		07/19/16 17:02	07/22/16 19:31	1
3-Nitroaniline	ND		10	1.8	ug/L		07/19/16 17:02	07/22/16 19:31	1
4-Nitroaniline	ND		10	2.5	ug/L		07/19/16 17:02	07/22/16 19:31	1
Nitrobenzene	ND		10	0.55	ug/L		07/19/16 17:02	07/22/16 19:31	1
2-Nitrophenol	ND		10	0.65	ug/L		07/19/16 17:02	07/22/16 19:31	1
4-Nitrophenol	ND		10	2.1	ug/L		07/19/16 17:02	07/22/16 19:31	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		07/19/16 17:02	07/22/16 19:31	1

Client Sample ID: MW-27-ROX-071316
Date Collected: 07/13/16 10:30
Date Received: 07/15/16 08:36

Lab Sample ID: 400-124552-4
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		07/19/16 17:02	07/22/16 19:31	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		07/19/16 17:02	07/22/16 19:31	1
Pentachlorophenol	ND		20	1.8	ug/L		07/19/16 17:02	07/22/16 19:31	1
Phenol	ND		10	2.6	ug/L		07/19/16 17:02	07/22/16 19:31	1
Pyridine	ND	* UJ	10	3.2	ug/L		07/19/16 17:02	07/22/16 19:31	1
Quinoline	ND		10	6.0	ug/L		07/19/16 17:02	07/22/16 19:31	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		07/19/16 17:02	07/22/16 19:31	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		07/19/16 17:02	07/22/16 19:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*69*		*34 - 120*	*07/19/16 17:02*	*07/22/16 19:31*	*1*
2-Fluorophenol	*59*		*10 - 120*	*07/19/16 17:02*	*07/22/16 19:31*	*1*
Nitrobenzene-d5	*78*		*27 - 120*	*07/19/16 17:02*	*07/22/16 19:31*	*1*
Phenol-d5	*72*		*10 - 120*	*07/19/16 17:02*	*07/22/16 19:31*	*1*
Terphenyl-d14	*73*		*53 - 125*	*07/19/16 17:02*	*07/22/16 19:31*	*1*
2,4,6-Tribromophenol	*70*		*15 - 135*	*07/19/16 17:02*	*07/22/16 19:31*	*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		07/24/16 10:44	07/26/16 01:32	1
1,2-Dibromoethane	ND		0.019	0.0048	ug/L		07/24/16 10:44	07/26/16 01:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*51 - 149*	*07/24/16 10:44*	*07/26/16 01:32*	*1*

Client Sample ID: MW10-ROX-071316
Date Collected: 07/13/16 11:40
Date Received: 07/15/16 08:36

Lab Sample ID: 400-124552-5
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			07/23/16 22:17	1
Acrolein	ND		20	10	ug/L			07/23/16 22:17	1
Acrylonitrile	ND		10	2.8	ug/L			07/23/16 22:17	1
Benzene	**0.60**	J	1.0	0.38	ug/L			07/23/16 22:17	1
Bromobenzene	ND		1.0	0.54	ug/L			07/23/16 22:17	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/23/16 22:17	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/23/16 22:17	1
Bromoform	ND		5.0	0.71	ug/L			07/23/16 22:17	1
Bromomethane	ND		1.0	0.98	ug/L			07/23/16 22:17	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/23/16 22:17	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/23/16 22:17	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			07/23/16 22:17	1
Chlorobenzene	ND		1.0	0.50	ug/L			07/23/16 22:17	1
Dibromochloromethane	ND		1.0	0.50	ug/L			07/23/16 22:17	1
Chloroethane	ND		1.0	0.76	ug/L			07/23/16 22:17	1
2-Chloroethyl vinyl ether	ND	*	5.0	2.0	ug/L			07/23/16 22:17	1
Chloroform	ND		1.0	0.60	ug/L			07/23/16 22:17	1
1-Chlorohexane	ND		1.0	0.70	ug/L			07/23/16 22:17	1
Chloromethane	ND		1.0	0.83	ug/L			07/23/16 22:17	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/23/16 22:17	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/23/16 22:17	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/23/16 22:17	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/23/16 22:17	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/23/16 22:17	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/23/16 22:17	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/23/16 22:17	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			07/23/16 22:17	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/23/16 22:17	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/23/16 22:17	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/23/16 22:17	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/23/16 22:17	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			07/23/16 22:17	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/23/16 22:17	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/23/16 22:17	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/23/16 22:17	1
2-Hexanone	ND		25	3.1	ug/L			07/23/16 22:17	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/23/16 22:17	1
Methylene bromide	ND		5.0	0.59	ug/L			07/23/16 22:17	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/23/16 22:17	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/23/16 22:17	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			07/23/16 22:17	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			07/23/16 22:17	1
Naphthalene	ND		1.0	1.0	ug/L			07/23/16 22:17	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/23/16 22:17	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/23/16 22:17	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/23/16 22:17	1
o-Xylene	ND		5.0	0.60	ug/L			07/23/16 22:17	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/23/16 22:17	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/23/16 22:17	1

Client Sample ID: MW10-ROX-071316
Date Collected: 07/13/16 11:40
Date Received: 07/15/16 08:36

Lab Sample ID: 400-124552-5
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			07/23/16 22:17	1
Styrene	ND		1.0	1.0	ug/L			07/23/16 22:17	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/23/16 22:17	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			07/23/16 22:17	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/23/16 22:17	1
Tetrachloroethene	ND		1.0	0.58	ug/L			07/23/16 22:17	1
Toluene	ND		1.0	0.70	ug/L			07/23/16 22:17	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/23/16 22:17	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/23/16 22:17	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			07/23/16 22:17	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/23/16 22:17	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			07/23/16 22:17	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			07/23/16 22:17	1
Trichloroethene	ND		1.0	0.50	ug/L			07/23/16 22:17	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			07/23/16 22:17	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/23/16 22:17	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/23/16 22:17	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/23/16 22:17	1
Vinyl acetate	ND		25	2.0	ug/L			07/23/16 22:17	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/23/16 22:17	1
Xylenes, Total	ND		10	1.6	ug/L			07/23/16 22:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*78 - 118*		*07/23/16 22:17*	*1*
Dibromofluoromethane	*105*		*81 - 121*		*07/23/16 22:17*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*07/23/16 22:17*	*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		07/19/16 17:02	07/21/16 12:02	1
Acenaphthylene	ND		0.20	0.020	ug/L		07/19/16 17:02	07/21/16 12:02	1
Anthracene	ND		0.20	0.020	ug/L		07/19/16 17:02	07/21/16 12:02	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/19/16 17:02	07/21/16 12:02	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		07/19/16 17:02	07/21/16 12:02	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		07/19/16 17:02	07/21/16 12:02	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		07/19/16 17:02	07/21/16 12:02	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/19/16 17:02	07/21/16 12:02	1
Chrysene	ND		0.20	0.040	ug/L		07/19/16 17:02	07/21/16 12:02	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		07/19/16 17:02	07/21/16 12:02	1
Fluoranthene	ND		0.20	0.020	ug/L		07/19/16 17:02	07/21/16 12:02	1
Fluorene	ND		0.20	0.021	ug/L		07/19/16 17:02	07/21/16 12:02	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		07/19/16 17:02	07/21/16 12:02	1
Phenanthrene	ND		0.20	0.020	ug/L		07/19/16 17:02	07/21/16 12:02	1
Pyrene	ND		0.20	0.020	ug/L		07/19/16 17:02	07/21/16 12:02	1
1-Methylnaphthalene	**0.030**	**J**	0.20	0.020	ug/L		07/19/16 17:02	07/21/16 12:02	1
2-Methylnaphthalene	**0.033**	**J**	0.20	0.020	ug/L		07/19/16 17:02	07/21/16 12:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*84*		*33 - 138*	*07/19/16 17:02*	*07/21/16 12:02*	*1*
2-Fluorobiphenyl	*63*		*15 - 122*	*07/19/16 17:02*	*07/21/16 12:02*	*1*

Client Sample ID: MW10-ROX-071316
Date Collected: 07/13/16 11:40
Date Received: 07/15/16 08:36

Lab Sample ID: 400-124552-5
Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	62		19 - 130	07/19/16 17:02	07/21/16 12:02	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		07/19/16 17:02	07/22/16 20:02	1
Benzenethiol	ND		10	1.7	ug/L		07/19/16 17:02	07/22/16 20:02	1
Benzoic acid	ND	*	30	7.3	ug/L		07/19/16 17:02	07/22/16 20:02	1
Benzyl alcohol	ND		10	2.0	ug/L		07/19/16 17:02	07/22/16 20:02	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		07/19/16 17:02	07/22/16 20:02	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		07/19/16 17:02	07/22/16 20:02	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		07/19/16 17:02	07/22/16 20:02	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		07/19/16 17:02	07/22/16 20:02	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		07/19/16 17:02	07/22/16 20:02	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		07/19/16 17:02	07/22/16 20:02	1
4-Chloroaniline	ND		10	3.4	ug/L		07/19/16 17:02	07/22/16 20:02	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		07/19/16 17:02	07/22/16 20:02	1
2-Chloronaphthalene	ND		10	0.52	ug/L		07/19/16 17:02	07/22/16 20:02	1
2-Chlorophenol	ND		10	2.2	ug/L		07/19/16 17:02	07/22/16 20:02	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		07/19/16 17:02	07/22/16 20:02	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		07/19/16 17:02	07/22/16 20:02	1
Dibenzofuran	ND		10	0.52	ug/L		07/19/16 17:02	07/22/16 20:02	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		07/19/16 17:02	07/22/16 20:02	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		07/19/16 17:02	07/22/16 20:02	1
Diethyl phthalate	ND		10	0.70	ug/L		07/19/16 17:02	07/22/16 20:02	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		07/19/16 17:02	07/22/16 20:02	1
Dimethyl phthalate	ND		10	0.60	ug/L		07/19/16 17:02	07/22/16 20:02	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		07/19/16 17:02	07/22/16 20:02	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/19/16 17:02	07/22/16 20:02	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		07/19/16 17:02	07/22/16 20:02	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		07/19/16 17:02	07/22/16 20:02	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		07/19/16 17:02	07/22/16 20:02	1
Di-n-octyl phthalate	~~0.56~~	JB	10	0.44	ug/L		07/19/16 17:02	07/22/16 20:02	1
1,4-Dioxane	ND		10	1.0	ug/L		07/19/16 17:02	07/22/16 20:02	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		07/19/16 17:02	07/22/16 20:02	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/19/16 17:02	07/22/16 20:02	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		07/19/16 17:02	07/22/16 20:02	1
Hexachloroethane	ND		10	4.2	ug/L		07/19/16 17:02	07/22/16 20:02	1
Indene	ND		10	1.0	ug/L		07/19/16 17:02	07/22/16 20:02	1
Isophorone	ND		10	0.57	ug/L		07/19/16 17:02	07/22/16 20:02	1
2-Methylphenol	ND		10	1.8	ug/L		07/19/16 17:02	07/22/16 20:02	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		07/19/16 17:02	07/22/16 20:02	1
2-Nitroaniline	ND		10	2.2	ug/L		07/19/16 17:02	07/22/16 20:02	1
3-Nitroaniline	ND		10	1.8	ug/L		07/19/16 17:02	07/22/16 20:02	1
4-Nitroaniline	ND		10	2.5	ug/L		07/19/16 17:02	07/22/16 20:02	1
Nitrobenzene	ND		10	0.55	ug/L		07/19/16 17:02	07/22/16 20:02	1
2-Nitrophenol	ND		10	0.65	ug/L		07/19/16 17:02	07/22/16 20:02	1
4-Nitrophenol	ND		10	2.1	ug/L		07/19/16 17:02	07/22/16 20:02	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		07/19/16 17:02	07/22/16 20:02	1

Client Sample ID: MW10-ROX-071316
Date Collected: 07/13/16 11:40
Date Received: 07/15/16 08:36

Lab Sample ID: 400-124552-5
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		07/19/16 17:02	07/22/16 20:02	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		07/19/16 17:02	07/22/16 20:02	1
Pentachlorophenol	ND		20	1.8	ug/L		07/19/16 17:02	07/22/16 20:02	1
Phenol	ND		10	2.6	ug/L		07/19/16 17:02	07/22/16 20:02	1
Pyridine	ND	* UJ	10	3.2	ug/L		07/19/16 17:02	07/22/16 20:02	1
Quinoline	ND		10	6.0	ug/L		07/19/16 17:02	07/22/16 20:02	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		07/19/16 17:02	07/22/16 20:02	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		07/19/16 17:02	07/22/16 20:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*67*		*34 - 120*	*07/19/16 17:02*	*07/22/16 20:02*	*1*
2-Fluorophenol	*66*		*10 - 120*	*07/19/16 17:02*	*07/22/16 20:02*	*1*
Nitrobenzene-d5	*76*		*27 - 120*	*07/19/16 17:02*	*07/22/16 20:02*	*1*
Phenol-d5	*75*		*10 - 120*	*07/19/16 17:02*	*07/22/16 20:02*	*1*
Terphenyl-d14	*73*		*53 - 125*	*07/19/16 17:02*	*07/22/16 20:02*	*1*
2,4,6-Tribromophenol	*72*		*15 - 135*	*07/19/16 17:02*	*07/22/16 20:02*	*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		07/24/16 10:44	07/26/16 02:01	1
1,2-Dibromoethane	ND		0.020	0.0049	ug/L		07/24/16 10:44	07/26/16 02:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*84*		*51 - 149*	*07/24/16 10:44*	*07/26/16 02:01*	*1*

Client Sample ID: MW9-ROX-071316
Date Collected: 07/13/16 14:00
Date Received: 07/15/16 08:36

Lab Sample ID: 400-124552-6
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			07/23/16 22:43	1
Acrolein	ND		20	10	ug/L			07/23/16 22:43	1
Acrylonitrile	ND		10	2.8	ug/L			07/23/16 22:43	1
Benzene	ND		1.0	0.38	ug/L			07/23/16 22:43	1
Bromobenzene	ND		1.0	0.54	ug/L			07/23/16 22:43	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/23/16 22:43	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/23/16 22:43	1
Bromoform	ND		5.0	0.71	ug/L			07/23/16 22:43	1
Bromomethane	ND		1.0	0.98	ug/L			07/23/16 22:43	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/23/16 22:43	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/23/16 22:43	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			07/23/16 22:43	1
Chlorobenzene	ND		1.0	0.50	ug/L			07/23/16 22:43	1
Dibromochloromethane	ND		1.0	0.50	ug/L			07/23/16 22:43	1
Chloroethane	ND		1.0	0.76	ug/L			07/23/16 22:43	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/23/16 22:43	1
Chloroform	ND		1.0	0.60	ug/L			07/23/16 22:43	1
1-Chlorohexane	ND		1.0	0.70	ug/L			07/23/16 22:43	1
Chloromethane	ND		1.0	0.83	ug/L			07/23/16 22:43	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/23/16 22:43	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/23/16 22:43	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/23/16 22:43	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/23/16 22:43	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/23/16 22:43	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/23/16 22:43	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/23/16 22:43	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			07/23/16 22:43	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/23/16 22:43	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/23/16 22:43	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/23/16 22:43	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/23/16 22:43	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			07/23/16 22:43	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/23/16 22:43	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/23/16 22:43	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/23/16 22:43	1
2-Hexanone	ND		25	3.1	ug/L			07/23/16 22:43	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/23/16 22:43	1
Methylene bromide	ND		5.0	0.59	ug/L			07/23/16 22:43	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/23/16 22:43	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/23/16 22:43	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			07/23/16 22:43	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			07/23/16 22:43	1
Naphthalene	ND		1.0	1.0	ug/L			07/23/16 22:43	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/23/16 22:43	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/23/16 22:43	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/23/16 22:43	1
o-Xylene	ND		5.0	0.60	ug/L			07/23/16 22:43	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/23/16 22:43	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/23/16 22:43	1

Client Sample ID: MW9-ROX-071316
Date Collected: 07/13/16 14:00
Date Received: 07/15/16 08:36

Lab Sample ID: 400-124552-6
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			07/23/16 22:43	1
Styrene	ND		1.0	1.0	ug/L			07/23/16 22:43	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/23/16 22:43	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			07/23/16 22:43	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/23/16 22:43	1
Tetrachloroethene	ND		1.0	0.58	ug/L			07/23/16 22:43	1
Toluene	ND		1.0	0.70	ug/L			07/23/16 22:43	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/23/16 22:43	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/23/16 22:43	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			07/23/16 22:43	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/23/16 22:43	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			07/23/16 22:43	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			07/23/16 22:43	1
Trichloroethene	ND		1.0	0.50	ug/L			07/23/16 22:43	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			07/23/16 22:43	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/23/16 22:43	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/23/16 22:43	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/23/16 22:43	1
Vinyl acetate	ND		25	2.0	ug/L			07/23/16 22:43	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/23/16 22:43	1
Xylenes, Total	ND		10	1.6	ug/L			07/23/16 22:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*78 - 118*		*07/23/16 22:43*	*1*
Dibromofluoromethane	*102*		*81 - 121*		*07/23/16 22:43*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*07/23/16 22:43*	*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		07/19/16 17:02	07/21/16 12:25	1
Acenaphthylene	ND		0.20	0.020	ug/L		07/19/16 17:02	07/21/16 12:25	1
Anthracene	ND		0.20	0.020	ug/L		07/19/16 17:02	07/21/16 12:25	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/19/16 17:02	07/21/16 12:25	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		07/19/16 17:02	07/21/16 12:25	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		07/19/16 17:02	07/21/16 12:25	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		07/19/16 17:02	07/21/16 12:25	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/19/16 17:02	07/21/16 12:25	1
Chrysene	ND		0.20	0.040	ug/L		07/19/16 17:02	07/21/16 12:25	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		07/19/16 17:02	07/21/16 12:25	1
Fluoranthene	ND		0.20	0.020	ug/L		07/19/16 17:02	07/21/16 12:25	1
Fluorene	ND		0.20	0.021	ug/L		07/19/16 17:02	07/21/16 12:25	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		07/19/16 17:02	07/21/16 12:25	1
Phenanthrene	ND		0.20	0.020	ug/L		07/19/16 17:02	07/21/16 12:25	1
Pyrene	ND		0.20	0.020	ug/L		07/19/16 17:02	07/21/16 12:25	1
1-Methylnaphthalene	**0.027**	**J**	0.20	0.020	ug/L		07/19/16 17:02	07/21/16 12:25	1
2-Methylnaphthalene	**0.027**	**J**	0.20	0.020	ug/L		07/19/16 17:02	07/21/16 12:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*71*		*33 - 138*	*07/19/16 17:02*	*07/21/16 12:25*	*1*
2-Fluorobiphenyl	*71*		*15 - 122*	*07/19/16 17:02*	*07/21/16 12:25*	*1*

Client Sample ID: MW9-ROX-071316
Date Collected: 07/13/16 14:00
Date Received: 07/15/16 08:36

Lab Sample ID: 400-124552-6
Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	71		19 - 130	07/19/16 17:02	07/21/16 12:25	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		07/19/16 17:02	07/22/16 21:04	1
Benzenethiol	ND		10	1.7	ug/L		07/19/16 17:02	07/22/16 21:04	1
Benzoic acid	ND		30	7.3	ug/L		07/19/16 17:02	07/22/16 21:04	1
Benzyl alcohol	ND		10	2.0	ug/L		07/19/16 17:02	07/22/16 21:04	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		07/19/16 17:02	07/22/16 21:04	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		07/19/16 17:02	07/22/16 21:04	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		07/19/16 17:02	07/22/16 21:04	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		07/19/16 17:02	07/22/16 21:04	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		07/19/16 17:02	07/22/16 21:04	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		07/19/16 17:02	07/22/16 21:04	1
4-Chloroaniline	ND		10	3.4	ug/L		07/19/16 17:02	07/22/16 21:04	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		07/19/16 17:02	07/22/16 21:04	1
2-Chloronaphthalene	ND		10	0.52	ug/L		07/19/16 17:02	07/22/16 21:04	1
2-Chlorophenol	ND		10	2.2	ug/L		07/19/16 17:02	07/22/16 21:04	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		07/19/16 17:02	07/22/16 21:04	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		07/19/16 17:02	07/22/16 21:04	1
Dibenzofuran	ND		10	0.52	ug/L		07/19/16 17:02	07/22/16 21:04	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		07/19/16 17:02	07/22/16 21:04	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		07/19/16 17:02	07/22/16 21:04	1
Diethyl phthalate	ND		10	0.70	ug/L		07/19/16 17:02	07/22/16 21:04	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		07/19/16 17:02	07/22/16 21:04	1
Dimethyl phthalate	ND		10	0.60	ug/L		07/19/16 17:02	07/22/16 21:04	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		07/19/16 17:02	07/22/16 21:04	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/19/16 17:02	07/22/16 21:04	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		07/19/16 17:02	07/22/16 21:04	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		07/19/16 17:02	07/22/16 21:04	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		07/19/16 17:02	07/22/16 21:04	1
Di-n-octyl phthalate	~~0.66~~ J B U		10	0.44	ug/L		07/19/16 17:02	07/22/16 21:04	1
1,4-Dioxane	ND		10	1.0	ug/L		07/19/16 17:02	07/22/16 21:04	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		07/19/16 17:02	07/22/16 21:04	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/19/16 17:02	07/22/16 21:04	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		07/19/16 17:02	07/22/16 21:04	1
Hexachloroethane	ND		10	4.2	ug/L		07/19/16 17:02	07/22/16 21:04	1
Indene	ND		10	1.0	ug/L		07/19/16 17:02	07/22/16 21:04	1
Isophorone	ND		10	0.57	ug/L		07/19/16 17:02	07/22/16 21:04	1
2-Methylphenol	ND		10	1.8	ug/L		07/19/16 17:02	07/22/16 21:04	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		07/19/16 17:02	07/22/16 21:04	1
2-Nitroaniline	ND		10	2.2	ug/L		07/19/16 17:02	07/22/16 21:04	1
3-Nitroaniline	ND		10	1.8	ug/L		07/19/16 17:02	07/22/16 21:04	1
4-Nitroaniline	ND		10	2.5	ug/L		07/19/16 17:02	07/22/16 21:04	1
Nitrobenzene	ND		10	0.55	ug/L		07/19/16 17:02	07/22/16 21:04	1
2-Nitrophenol	ND		10	0.65	ug/L		07/19/16 17:02	07/22/16 21:04	1
4-Nitrophenol	ND		10	2.1	ug/L		07/19/16 17:02	07/22/16 21:04	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		07/19/16 17:02	07/22/16 21:04	1

Client Sample ID: MW9-ROX-071316
Date Collected: 07/13/16 14:00
Date Received: 07/15/16 08:36

Lab Sample ID: 400-124552-6
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		07/19/16 17:02	07/22/16 21:04	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		07/19/16 17:02	07/22/16 21:04	1
Pentachlorophenol	ND		20	1.8	ug/L		07/19/16 17:02	07/22/16 21:04	1
Phenol	ND		10	2.6	ug/L		07/19/16 17:02	07/22/16 21:04	1
Pyridine	ND	UJ	10	3.2	ug/L		07/19/16 17:02	07/22/16 21:04	1
Quinoline	ND		10	6.0	ug/L		07/19/16 17:02	07/22/16 21:04	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		07/19/16 17:02	07/22/16 21:04	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		07/19/16 17:02	07/22/16 21:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*72*		*34 - 120*	*07/19/16 17:02*	*07/22/16 21:04*	*1*
2-Fluorophenol	*60*		*10 - 120*	*07/19/16 17:02*	*07/22/16 21:04*	*1*
Nitrobenzene-d5	*79*		*27 - 120*	*07/19/16 17:02*	*07/22/16 21:04*	*1*
Phenol-d5	*72*		*10 - 120*	*07/19/16 17:02*	*07/22/16 21:04*	*1*
Terphenyl-d14	*62*		*53 - 125*	*07/19/16 17:02*	*07/22/16 21:04*	*1*
2,4,6-Tribromophenol	*60*		*15 - 135*	*07/19/16 17:02*	*07/22/16 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		0.029	0.0053	ug/L		07/24/16 10:44	07/26/16 03:01	1
1,2-Dibromoethane	ND		0.019	0.0048	ug/L		07/24/16 10:44	07/26/16 03:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*51 - 149*	*07/24/16 10:44*	*07/26/16 03:01*	*1*

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

Qualifier	Qualifier Description
*	RPD of the LCS and LCSD exceeds the control limits
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
*	LCS or LCSD is outside acceptance limits.

Glossary

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

Surrogate Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 3Q16

TestAmerica Job ID: 400-124552-1
SDG: 60477387 - 1.03.003/1.03.0033

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)
400-124552-2	TB-ROX-071316R-8260	94	104	95
400-124552-3	MW11-ROX-071316	95	105	93
400-124552-4	MW-27-ROX-071316	94	104	93
400-124552-5	MW10-ROX-071316	92	105	91
400-124552-6	MW9-ROX-071316	94	102	92
400-124556-E-3 MS	Matrix Spike	100	101	99
400-124556-E-3 MSD	Matrix Spike Duplicate	101	102	99
400-124559-E-3 MS	Matrix Spike	100	99	101
400-124559-E-3 MSD	Matrix Spike Duplicate	100	101	99
LCS 400-315486/1002	Lab Control Sample	103	100	99
LCS 400-315518/1002	Lab Control Sample	101	96	98
MB 400-315486/4	Method Blank	93	103	93
MB 400-315518/4	Method Blank	94	105	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)
400-124552-3	MW11-ROX-071316	64	17	67	38	56	36
400-124552-4	MW-27-ROX-071316	69	59	78	72	73	70
400-124552-5	MW10-ROX-071316	67	66	76	75	73	72
400-124552-6	MW9-ROX-071316	72	60	79	72	62	60
LCS 400-314926/2-A	Lab Control Sample	60	59	57	67	66	72
LCS 400-314926/4-A	Lab Control Sample	68	75	74	79	75	51
LCSD 400-314926/3-A	Lab Control Sample Dup	66	70	71	78	70	77
LCSD 400-314926/5-A	Lab Control Sample Dup	62	68	67	73	68	50
MB 400-314926/1-A	Method Blank	62	66	66	74	68	51

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)
400-124552-3	MW11-ROX-071316	57	60	56

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

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

		Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	TPH (33-138)	FBP (15-122)	NBZ (19-130)
400-124552-4	MW-27-ROX-071316	95	72	71
400-124552-5	MW10-ROX-071316	84	63	62
400-124552-6	MW9-ROX-071316	71	71	71
LCS 400-314926/2-A	Lab Control Sample	73	71	90
LCSD 400-314926/3-A	Lab Control Sample Dup	78	78	103
MB 400-314926/1-A	Method Blank	54	41	43

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)
400-124552-1	TB-ROX-071316R-8011	89
400-124552-3	MW11-ROX-071316	99
400-124552-4	MW-27-ROX-071316	93
400-124552-5	MW10-ROX-071316	84
400-124552-6	MW9-ROX-071316	93
LCS 400-315511/2-A	Lab Control Sample	88
LCSD 400-315511/3-A	Lab Control Sample Dup	101
MB 400-315511/1-A	Method Blank	88

Surrogate Legend

BFB = 4-Bromofluorobenzene

Method Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 3Q16

TestAmerica Job ID: 400-124552-1
SDG: 60477387 - 1.03.003/1.03.0033

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 - 3Q16

TestAmerica Job ID: 400-124552-1
SDG: 60477387 - 1.03.003/1.03.0033

Client Sample ID: TB-ROX-071316R-8011

Lab Sample ID: 400-124552-1
Matrix: Water

Date Collected: 07/13/16 00:00
Date Received: 07/15/16 08:36

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			33.5 mL	35 mL	315511	07/24/16 10:44	AM	TAL PEN
Total/NA	Analysis	8011		1			315814	07/26/16 00:32	AM	TAL PEN

Client Sample ID: TB-ROX-071316R-8260

Lab Sample ID: 400-124552-2
Matrix: Water

Date Collected: 07/13/16 00:00
Date Received: 07/15/16 08:36

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	315518	07/24/16 17:02	S1S	TAL PEN

Client Sample ID: MW11-ROX-071316

Lab Sample ID: 400-124552-3
Matrix: Water

Date Collected: 07/13/16 09:05
Date Received: 07/15/16 08:36

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	315518	07/24/16 17:28	S1S	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314926	07/19/16 17:02	RMC	TAL PEN
Total/NA	Analysis	8270D		1			315794	07/26/16 16:27	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314926	07/19/16 17:02	RMC	TAL PEN
Total/NA	Analysis	8270D		1			315342	07/22/16 19:01	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314926	07/19/16 17:02	RMC	TAL PEN
Total/NA	Analysis	8270D LL		1			315121	07/21/16 11:16	VC1	TAL PEN
Total/NA	Prep	8011			36 mL	35 mL	315511	07/24/16 10:44	AM	TAL PEN
Total/NA	Analysis	8011		1			315814	07/26/16 01:02	AM	TAL PEN

Client Sample ID: MW-27-ROX-071316

Lab Sample ID: 400-124552-4
Matrix: Water

Date Collected: 07/13/16 10:30
Date Received: 07/15/16 08:36

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	315518	07/24/16 17:54	S1S	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314926	07/19/16 17:02	RMC	TAL PEN
Total/NA	Analysis	8270D		1			315342	07/22/16 19:31	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314926	07/19/16 17:02	RMC	TAL PEN
Total/NA	Analysis	8270D LL		1			315121	07/21/16 11:39	VC1	TAL PEN
Total/NA	Prep	8011			36.4 mL	35 mL	315511	07/24/16 10:44	AM	TAL PEN
Total/NA	Analysis	8011		1			315814	07/26/16 01:32	AM	TAL PEN

Lab Chronicle

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 3Q16

TestAmerica Job ID: 400-124552-1
SDG: 60477387 - 1.03.003/1.03.0033

Client Sample ID: MW10-ROX-071316

Lab Sample ID: 400-124552-5

Date Collected: 07/13/16 11:40
Date Received: 07/15/16 08:36

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	315486	07/23/16 22:17	HLW	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314926	07/19/16 17:02	RMC	TAL PEN
Total/NA	Analysis	8270D		1			315342	07/22/16 20:02	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314926	07/19/16 17:02	RMC	TAL PEN
Total/NA	Analysis	8270D LL		1			315121	07/21/16 12:02	VC1	TAL PEN
Total/NA	Prep	8011			35.7 mL	35 mL	315511	07/24/16 10:44	AM	TAL PEN
Total/NA	Analysis	8011		1			315814	07/26/16 02:01	AM	TAL PEN

Client Sample ID: MW9-ROX-071316

Lab Sample ID: 400-124552-6

Date Collected: 07/13/16 14:00
Date Received: 07/15/16 08:36

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	315486	07/23/16 22:43	HLW	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314926	07/19/16 17:02	RMC	TAL PEN
Total/NA	Analysis	8270D		1			315342	07/22/16 21:04	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314926	07/19/16 17:02	RMC	TAL PEN
Total/NA	Analysis	8270D LL		1			315121	07/21/16 12:25	VC1	TAL PEN
Total/NA	Prep	8011			36.6 mL	35 mL	315511	07/24/16 10:44	AM	TAL PEN
Total/NA	Analysis	8011		1			315814	07/26/16 03:01	AM	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-314926/1-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	314926	07/19/16 17:02	RMC	TAL PEN
Total/NA	Analysis	8270D		1			315342	07/22/16 14:23	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314926	07/19/16 17:02	RMC	TAL PEN
Total/NA	Analysis	8270D LL		1			315121	07/21/16 08:35	VC1	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-315486/4

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	315486	07/23/16 16:39	HLW	TAL PEN

Lab Chronicle

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 3Q16

TestAmerica Job ID: 400-124552-1
SDG: 60477387 - 1.03.003/1.03.0033

Client Sample ID: Method Blank

Lab Sample ID: MB 400-315511/1-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	315511	07/24/16 10:44	AM	TAL PEN
Total/NA	Analysis	8011		1			315814	07/25/16 21:33	AM	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-315518/4

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	315518	07/24/16 16:36	S1S	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-314926/2-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	314926	07/19/16 17:02	RMC	TAL PEN
Total/NA	Analysis	8270D		1			315342	07/22/16 14:54	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314926	07/19/16 17:02	RMC	TAL PEN
Total/NA	Analysis	8270D LL		5			315121	07/21/16 08:58	VC1	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-314926/4-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	314926	07/19/16 17:02	RMC	TAL PEN
Total/NA	Analysis	8270D		1			315342	07/22/16 15:55	MAM	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-315486/1002

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	315486	07/23/16 15:31	HLW	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-315511/2-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	8011			35 mL	35 mL	315511	07/24/16 10:44	AM	TAL PEN
Total/NA	Analysis	8011		1			315814	07/25/16 22:03	AM	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-315518/1002

Date Collected: N/A
Matrix: Water
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	315518	07/24/16 15:34	S1S	TAL PEN

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-314926/3-A

Date Collected: N/A
Matrix: Water
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	314926	07/19/16 17:02	RMC	TAL PEN
Total/NA	Analysis	8270D		1			315342	07/22/16 15:25	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	314926	07/19/16 17:02	RMC	TAL PEN
Total/NA	Analysis	8270D LL		5			315121	07/21/16 09:21	VC1	TAL PEN

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-314926/5-A

Date Collected: N/A
Matrix: Water
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	314926	07/19/16 17:02	RMC	TAL PEN
Total/NA	Analysis	8270D		1			315342	07/22/16 16:26	MAM	TAL PEN

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-315511/3-A

Date Collected: N/A
Matrix: Water
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	315511	07/24/16 10:44	AM	TAL PEN
Total/NA	Analysis	8011		1			315814	07/25/16 22:33	AM	TAL PEN

Client Sample ID: Matrix Spike

Lab Sample ID: 400-124556-E-3 MS

Date Collected: 07/14/16 10:25
Matrix: Water
Date Received: 07/15/16 08:36

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	315518	07/24/16 20:56	S1S	TAL PEN

Client Sample ID: Matrix Spike Duplicate

Lab Sample ID: 400-124556-E-3 MSD

Date Collected: 07/14/16 10:25
Matrix: Water
Date Received: 07/15/16 08:36

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	315518	07/24/16 21:22	S1S	TAL PEN

Client Sample ID: Matrix Spike

Lab Sample ID: 400-124559-E-3 MS

Date Collected: 07/14/16 09:35
Matrix: Water
Date Received: 07/15/16 15:08

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	315486	07/23/16 18:49	HLW	TAL PEN

Client Sample ID: Matrix Spike Duplicate

Lab Sample ID: 400-124559-E-3 MSD

Date Collected: 07/14/16 09:35
Matrix: Water
Date Received: 07/15/16 15:08

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	315486	07/23/16 19:15	HLW	TAL PEN

Laboratory References:

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

GC/MS VOA

Analysis Batch: 315486

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124552-5	MW10-ROX-071316	Total/NA	Water	8260B	
400-124552-6	MW9-ROX-071316	Total/NA	Water	8260B	
MB 400-315486/4	Method Blank	Total/NA	Water	8260B	
LCS 400-315486/1002	Lab Control Sample	Total/NA	Water	8260B	
400-124559-E-3 MS	Matrix Spike	Total/NA	Water	8260B	
400-124559-E-3 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	

Analysis Batch: 315518

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124552-2	TB-ROX-071316R-8260	Total/NA	Water	8260B	
400-124552-3	MW11-ROX-071316	Total/NA	Water	8260B	
400-124552-4	MW-27-ROX-071316	Total/NA	Water	8260B	
MB 400-315518/4	Method Blank	Total/NA	Water	8260B	
LCS 400-315518/1002	Lab Control Sample	Total/NA	Water	8260B	
400-124556-E-3 MS	Matrix Spike	Total/NA	Water	8260B	
400-124556-E-3 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 314926

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124552-3	MW11-ROX-071316	Total/NA	Water	3520C	
400-124552-4	MW-27-ROX-071316	Total/NA	Water	3520C	
400-124552-5	MW10-ROX-071316	Total/NA	Water	3520C	
400-124552-6	MW9-ROX-071316	Total/NA	Water	3520C	
MB 400-314926/1-A	Method Blank	Total/NA	Water	3520C	
LCS 400-314926/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCS 400-314926/4-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 400-314926/3-A	Lab Control Sample Dup	Total/NA	Water	3520C	
LCSD 400-314926/5-A	Lab Control Sample Dup	Total/NA	Water	3520C	

Analysis Batch: 315121

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124552-3	MW11-ROX-071316	Total/NA	Water	8270D LL	314926
400-124552-4	MW-27-ROX-071316	Total/NA	Water	8270D LL	314926
400-124552-5	MW10-ROX-071316	Total/NA	Water	8270D LL	314926
400-124552-6	MW9-ROX-071316	Total/NA	Water	8270D LL	314926
MB 400-314926/1-A	Method Blank	Total/NA	Water	8270D LL	314926
LCS 400-314926/2-A	Lab Control Sample	Total/NA	Water	8270D LL	314926
LCSD 400-314926/3-A	Lab Control Sample Dup	Total/NA	Water	8270D LL	314926

Analysis Batch: 315342

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124552-3	MW11-ROX-071316	Total/NA	Water	8270D	314926
400-124552-4	MW-27-ROX-071316	Total/NA	Water	8270D	314926
400-124552-5	MW10-ROX-071316	Total/NA	Water	8270D	314926
400-124552-6	MW9-ROX-071316	Total/NA	Water	8270D	314926
MB 400-314926/1-A	Method Blank	Total/NA	Water	8270D	314926
LCS 400-314926/2-A	Lab Control Sample	Total/NA	Water	8270D	314926
LCS 400-314926/4-A	Lab Control Sample	Total/NA	Water	8270D	314926

GC/MS Semi VOA (Continued)

Analysis Batch: 315342 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 400-314926/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	314926
LCSD 400-314926/5-A	Lab Control Sample Dup	Total/NA	Water	8270D	314926

Analysis Batch: 315794

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124552-3	MW11-ROX-071316	Total/NA	Water	8270D	314926

GC Semi VOA

Prep Batch: 315511

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124552-1	TB-ROX-071316R-8011	Total/NA	Water	8011	
400-124552-3	MW11-ROX-071316	Total/NA	Water	8011	
400-124552-4	MW-27-ROX-071316	Total/NA	Water	8011	
400-124552-5	MW10-ROX-071316	Total/NA	Water	8011	
400-124552-6	MW9-ROX-071316	Total/NA	Water	8011	
MB 400-315511/1-A	Method Blank	Total/NA	Water	8011	
LCS 400-315511/2-A	Lab Control Sample	Total/NA	Water	8011	
LCSD 400-315511/3-A	Lab Control Sample Dup	Total/NA	Water	8011	

Analysis Batch: 315814

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124552-1	TB-ROX-071316R-8011	Total/NA	Water	8011	315511
400-124552-3	MW11-ROX-071316	Total/NA	Water	8011	315511
400-124552-4	MW-27-ROX-071316	Total/NA	Water	8011	315511
400-124552-5	MW10-ROX-071316	Total/NA	Water	8011	315511
400-124552-6	MW9-ROX-071316	Total/NA	Water	8011	315511
MB 400-315511/1-A	Method Blank	Total/NA	Water	8011	315511
LCS 400-315511/2-A	Lab Control Sample	Total/NA	Water	8011	315511
LCSD 400-315511/3-A	Lab Control Sample Dup	Total/NA	Water	8011	315511

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

Lab Sample ID: MB 400-315486/4
Matrix: Water
Analysis Batch: 315486

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			07/23/16 16:39	1
Acrolein	ND		20	10	ug/L			07/23/16 16:39	1
Acrylonitrile	ND		10	2.8	ug/L			07/23/16 16:39	1
Benzene	ND		1.0	0.38	ug/L			07/23/16 16:39	1
Bromobenzene	ND		1.0	0.54	ug/L			07/23/16 16:39	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/23/16 16:39	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/23/16 16:39	1
Bromoform	ND		5.0	0.71	ug/L			07/23/16 16:39	1
Bromomethane	ND		1.0	0.98	ug/L			07/23/16 16:39	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/23/16 16:39	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/23/16 16:39	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			07/23/16 16:39	1
Chlorobenzene	ND		1.0	0.50	ug/L			07/23/16 16:39	1
Dibromochloromethane	ND		1.0	0.50	ug/L			07/23/16 16:39	1
Chloroethane	ND		1.0	0.76	ug/L			07/23/16 16:39	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/23/16 16:39	1
Chloroform	ND		1.0	0.60	ug/L			07/23/16 16:39	1
1-Chlorohexane	ND		1.0	0.70	ug/L			07/23/16 16:39	1
Chloromethane	ND		1.0	0.83	ug/L			07/23/16 16:39	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/23/16 16:39	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/23/16 16:39	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/23/16 16:39	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/23/16 16:39	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/23/16 16:39	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/23/16 16:39	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/23/16 16:39	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			07/23/16 16:39	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/23/16 16:39	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/23/16 16:39	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/23/16 16:39	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/23/16 16:39	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			07/23/16 16:39	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/23/16 16:39	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/23/16 16:39	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/23/16 16:39	1
2-Hexanone	ND		25	3.1	ug/L			07/23/16 16:39	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/23/16 16:39	1
Methylene bromide	ND		5.0	0.59	ug/L			07/23/16 16:39	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/23/16 16:39	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/23/16 16:39	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			07/23/16 16:39	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			07/23/16 16:39	1
Naphthalene	ND		1.0	1.0	ug/L			07/23/16 16:39	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/23/16 16:39	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/23/16 16:39	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/23/16 16:39	1
o-Xylene	ND		5.0	0.60	ug/L			07/23/16 16:39	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/23/16 16:39	1

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

Lab Sample ID: MB 400-315486/4
Matrix: Water
Analysis Batch: 315486

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			07/23/16 16:39	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/23/16 16:39	1
Styrene	ND		1.0	1.0	ug/L			07/23/16 16:39	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/23/16 16:39	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			07/23/16 16:39	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/23/16 16:39	1
Tetrachloroethene	ND		1.0	0.58	ug/L			07/23/16 16:39	1
Toluene	ND		1.0	0.70	ug/L			07/23/16 16:39	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/23/16 16:39	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/23/16 16:39	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			07/23/16 16:39	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/23/16 16:39	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			07/23/16 16:39	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			07/23/16 16:39	1
Trichloroethene	ND		1.0	0.50	ug/L			07/23/16 16:39	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			07/23/16 16:39	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/23/16 16:39	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/23/16 16:39	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/23/16 16:39	1
Vinyl acetate	ND		25	2.0	ug/L			07/23/16 16:39	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/23/16 16:39	1
Xylenes, Total	ND		10	1.6	ug/L			07/23/16 16:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*78 - 118*		*07/23/16 16:39*	*1*
Dibromofluoromethane	*103*		*81 - 121*		*07/23/16 16:39*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*07/23/16 16:39*	*1*

Lab Sample ID: LCS 400-315486/1002
Matrix: Water
Analysis Batch: 315486

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	200	199		ug/L		100	43 - 160
Acrolein	400	420		ug/L		105	38 - 160
Acrylonitrile	500	522		ug/L		104	64 - 142
Benzene	50.0	49.0		ug/L		98	70 - 130
Bromobenzene	50.0	52.1		ug/L		104	70 - 132
Bromochloromethane	50.0	47.0		ug/L		94	70 - 130
Bromodichloromethane	50.0	49.7		ug/L		99	67 - 133
Bromoform	50.0	51.4		ug/L		103	57 - 140
Bromomethane	40.0	29.6		ug/L		74	10 - 160
2-Butanone (MEK)	200	205		ug/L		102	61 - 145
Carbon disulfide	50.0	48.1		ug/L		96	61 - 137
Carbon tetrachloride	50.0	46.8		ug/L		94	61 - 137
Chlorobenzene	50.0	52.1		ug/L		104	70 - 130
Dibromochloromethane	50.0	50.8		ug/L		102	67 - 135
Chloroethane	40.0	38.7		ug/L		97	55 - 141

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

Lab Sample ID: LCS 400-315486/1002
Matrix: Water
Analysis Batch: 315486

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	116	*	ug/L		289	10 - 160
Chloroform	50.0	47.0		ug/L		94	69 - 130
1-Chlorohexane	50.0	51.2		ug/L		102	69 - 130
Chloromethane	40.0	40.2		ug/L		100	58 - 137
cis-1,2-Dichloroethene	50.0	47.9		ug/L		96	68 - 130
cis-1,3-Dichloropropene	50.0	49.9		ug/L		100	69 - 132
1,2-Dichlorobenzene	50.0	51.8		ug/L		104	67 - 130
1,3-Dichlorobenzene	50.0	52.2		ug/L		104	70 - 130
1,4-Dichlorobenzene	50.0	54.0		ug/L		108	70 - 130
Dichlorodifluoromethane	40.0	36.0		ug/L		90	41 - 146
1,1-Dichloroethane	50.0	49.2		ug/L		98	70 - 130
1,2-Dichloroethane	50.0	47.8		ug/L		96	69 - 130
1,1-Dichloroethene	50.0	47.7		ug/L		95	63 - 134
1,2-Dichloropropane	50.0	47.4		ug/L		95	70 - 130
1,3-Dichloropropane	50.0	50.4		ug/L		101	70 - 130
2,2-Dichloropropane	50.0	46.6		ug/L		93	52 - 135
1,1-Dichloropropene	50.0	49.3		ug/L		99	70 - 130
Ethylbenzene	50.0	50.6		ug/L		101	70 - 130
Ethyl methacrylate	50.0	51.5		ug/L		103	68 - 130
Hexachlorobutadiene	50.0	54.4		ug/L		109	53 - 140
2-Hexanone	200	213		ug/L		106	65 - 137
Isopropylbenzene	50.0	51.8		ug/L		104	70 - 130
Methylene bromide	50.0	49.1		ug/L		98	70 - 130
Methylene Chloride	50.0	47.7		ug/L		95	66 - 135
4-Methyl-2-pentanone (MIBK)	200	214		ug/L		107	69 - 138
Methyl tert-butyl ether	50.0	48.2		ug/L		96	66 - 130
m-Xylene & p-Xylene	50.0	51.0		ug/L		102	70 - 130
Naphthalene	50.0	53.1		ug/L		106	47 - 149
n-Butylbenzene	50.0	51.7		ug/L		103	67 - 130
N-Propylbenzene	50.0	50.0		ug/L		100	70 - 130
o-Chlorotoluene	50.0	48.9		ug/L		98	70 - 130
o-Xylene	50.0	50.9		ug/L		102	70 - 130
p-Chlorotoluene	50.0	51.3		ug/L		103	70 - 130
p-Isopropyltoluene	50.0	51.3		ug/L		103	65 - 130
sec-Butylbenzene	50.0	50.1		ug/L		100	66 - 130
Styrene	50.0	50.6		ug/L		101	70 - 130
tert-Butylbenzene	50.0	52.3		ug/L		105	64 - 139
1,1,1,2-Tetrachloroethane	50.0	51.2		ug/L		102	67 - 131
1,1,2,2-Tetrachloroethane	50.0	55.2		ug/L		110	70 - 131
Tetrachloroethene	50.0	50.4		ug/L		101	65 - 130
Toluene	50.0	50.4		ug/L		101	70 - 130
trans-1,2-Dichloroethene	50.0	47.7		ug/L		95	70 - 130
trans-1,3-Dichloropropene	50.0	50.8		ug/L		102	63 - 130
1,2,3-Trichlorobenzene	50.0	54.7		ug/L		109	60 - 138
1,2,4-Trichlorobenzene	50.0	56.1		ug/L		112	60 - 140
1,1,1-Trichloroethane	50.0	48.5		ug/L		97	68 - 130
1,1,2-Trichloroethane	50.0	50.9		ug/L		102	70 - 130
Trichloroethene	50.0	50.7		ug/L		101	70 - 130

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

Lab Sample ID: LCS 400-315486/1002
Matrix: Water
Analysis Batch: 315486

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	38.8		ug/L		97	65 - 138
1,2,3-Trichloropropane	50.0	50.7		ug/L		101	70 - 130
1,2,4-Trimethylbenzene	50.0	48.5		ug/L		97	70 - 130
1,3,5-Trimethylbenzene	50.0	52.2		ug/L		104	69 - 130
Vinyl acetate	80.0	82.1		ug/L		103	26 - 160
Vinyl chloride	40.0	40.5		ug/L		101	59 - 136
Xylenes, Total	100	102		ug/L		102	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*103*		*78 - 118*
Dibromofluoromethane	*100*		*81 - 121*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: 400-124559-E-3 MS
Matrix: Water
Analysis Batch: 315486

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		200	183		ug/L		92	43 - 160
Acrolein	ND		400	476		ug/L		119	38 - 160
Acrylonitrile	ND		500	583		ug/L		117	62 - 149
Benzene	9.8		50.0	60.2		ug/L		101	56 - 142
Bromobenzene	ND		50.0	52.8		ug/L		106	59 - 136
Bromochloromethane	ND		50.0	50.9		ug/L		102	64 - 140
Bromodichloromethane	ND		50.0	51.8		ug/L		104	59 - 143
Bromoform	ND		50.0	53.4		ug/L		107	50 - 140
Bromomethane	ND		40.0	34.0		ug/L		85	10 - 160
2-Butanone (MEK)	ND		200	221		ug/L		110	55 - 150
Carbon disulfide	ND		50.0	51.0		ug/L		102	48 - 152
Carbon tetrachloride	ND		50.0	49.0		ug/L		98	55 - 145
Chlorobenzene	ND		50.0	55.6		ug/L		111	64 - 130
Dibromochloromethane	ND		50.0	52.9		ug/L		106	56 - 143
Chloroethane	ND		40.0	43.0		ug/L		108	50 - 151
2-Chloroethyl vinyl ether	ND	F1 *	40.0	ND	F1	ug/L		0	10 - 160
Chloroform	ND		50.0	51.0		ug/L		102	60 - 141
1-Chlorohexane	ND		50.0	53.6		ug/L		107	56 - 136
Chloromethane	ND		40.0	41.0		ug/L		103	49 - 148
cis-1,2-Dichloroethene	ND		50.0	51.4		ug/L		103	59 - 143
cis-1,3-Dichloropropene	ND		50.0	52.6		ug/L		105	57 - 140
1,2-Dichlorobenzene	ND		50.0	53.3		ug/L		107	52 - 137
1,3-Dichlorobenzene	ND		50.0	52.6		ug/L		105	54 - 135
1,4-Dichlorobenzene	ND		50.0	53.9		ug/L		108	53 - 135
Dichlorodifluoromethane	ND		40.0	35.0		ug/L		88	16 - 160
1,1-Dichloroethane	ND		50.0	52.3		ug/L		105	61 - 144
1,2-Dichloroethane	ND		50.0	52.0		ug/L		104	60 - 141
1,1-Dichloroethene	ND		50.0	50.7		ug/L		101	54 - 147
1,2-Dichloropropane	ND		50.0	50.2		ug/L		100	66 - 137
1,3-Dichloropropane	ND		50.0	54.6		ug/L		109	66 - 133

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

Lab Sample ID: 400-124559-E-3 MS
Matrix: Water
Analysis Batch: 315486

Client Sample ID: Matrix Spike
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	48.4		ug/L		97	42 - 144
1,1-Dichloropropene	ND		50.0	51.7		ug/L		103	65 - 136
Ethylbenzene	ND		50.0	53.7		ug/L		107	58 - 131
Ethyl methacrylate	ND		50.0	56.0		ug/L		112	64 - 130
Hexachlorobutadiene	ND		50.0	51.0		ug/L		102	31 - 149
2-Hexanone	ND		200	233		ug/L		117	65 - 140
Isopropylbenzene	ND		50.0	54.6		ug/L		109	56 - 133
Methylene bromide	ND		50.0	52.3		ug/L		105	63 - 138
Methylene Chloride	ND		50.0	51.2		ug/L		102	60 - 146
4-Methyl-2-pentanone (MIBK)	ND		200	236		ug/L		118	63 - 146
Methyl tert-butyl ether	1.1		50.0	52.8		ug/L		103	59 - 137
m-Xylene & p-Xylene	ND		50.0	54.7		ug/L		109	57 - 130
Naphthalene	ND		50.0	54.2		ug/L		108	25 - 160
n-Butylbenzene	ND		50.0	50.0		ug/L		100	41 - 142
N-Propylbenzene	ND		50.0	50.3		ug/L		101	51 - 138
o-Chlorotoluene	ND		50.0	48.2		ug/L		96	53 - 134
o-Xylene	ND		50.0	54.2		ug/L		108	61 - 130
p-Chlorotoluene	ND		50.0	50.9		ug/L		102	54 - 133
p-Isopropyltoluene	ND		50.0	50.4		ug/L		101	48 - 139
sec-Butylbenzene	ND		50.0	49.8		ug/L		100	50 - 138
Styrene	ND		50.0	53.3		ug/L		107	58 - 131
tert-Butylbenzene	ND		50.0	53.4		ug/L		107	54 - 146
1,1,1,2-Tetrachloroethane	ND		50.0	53.9		ug/L		108	59 - 137
1,1,2,2-Tetrachloroethane	ND		50.0	56.6		ug/L		113	66 - 135
Tetrachloroethene	ND		50.0	52.0		ug/L		104	52 - 133
Toluene	1.3		50.0	55.0		ug/L		107	65 - 130
trans-1,2-Dichloroethene	ND		50.0	50.1		ug/L		100	61 - 143
trans-1,3-Dichloropropene	ND		50.0	53.5		ug/L		107	53 - 133
1,2,3-Trichlorobenzene	ND		50.0	54.0		ug/L		108	43 - 145
1,2,4-Trichlorobenzene	ND		50.0	53.9		ug/L		108	39 - 148
1,1,1-Trichloroethane	ND		50.0	52.5		ug/L		105	57 - 142
1,1,2-Trichloroethane	ND		50.0	56.2		ug/L		112	66 - 131
Trichloroethene	ND		50.0	53.1		ug/L		106	64 - 136
Trichlorofluoromethane	ND		40.0	43.7		ug/L		109	54 - 156
1,2,3-Trichloropropane	ND		50.0	55.9		ug/L		112	65 - 133
1,2,4-Trimethylbenzene	ND		50.0	49.7		ug/L		99	50 - 139
1,3,5-Trimethylbenzene	ND		50.0	53.0		ug/L		106	52 - 135
Vinyl acetate	ND		80.0	88.3		ug/L		110	26 - 160
Vinyl chloride	ND		40.0	41.9		ug/L		105	46 - 152
Xylenes, Total	1.7	J	100	109		ug/L		107	59 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*78 - 118*
Dibromofluoromethane	*99*		*81 - 121*
Toluene-d8 (Surr)	*101*		*80 - 120*

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

Lab Sample ID: 400-124559-E-3 MSD
Matrix: Water
Analysis Batch: 315486

Client Sample ID: Matrix Spike Duplicate
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	168		ug/L		84	43 - 160	9	30
Acrolein	ND		400	433		ug/L		108	38 - 160	9	31
Acrylonitrile	ND		500	534		ug/L		107	62 - 149	9	30
Benzene	9.8		50.0	58.1		ug/L		96	56 - 142	4	30
Bromobenzene	ND		50.0	50.4		ug/L		101	59 - 136	5	30
Bromochloromethane	ND		50.0	48.0		ug/L		96	64 - 140	6	30
Bromodichloromethane	ND		50.0	49.9		ug/L		100	59 - 143	4	30
Bromoform	ND		50.0	49.8		ug/L		100	50 - 140	7	30
Bromomethane	ND		40.0	31.3		ug/L		78	10 - 160	8	50
2-Butanone (MEK)	ND		200	200		ug/L		100	55 - 150	10	30
Carbon disulfide	ND		50.0	48.5		ug/L		97	48 - 152	5	30
Carbon tetrachloride	ND		50.0	47.2		ug/L		94	55 - 145	4	30
Chlorobenzene	ND		50.0	52.1		ug/L		104	64 - 130	6	30
Dibromochloromethane	ND		50.0	49.5		ug/L		99	56 - 143	7	30
Chloroethane	ND		40.0	40.4		ug/L		101	50 - 151	6	30
2-Chloroethyl vinyl ether	ND	F1 *	40.0	ND	F1	ug/L		0	10 - 160	NC	50
Chloroform	ND		50.0	48.4		ug/L		97	60 - 141	5	30
1-Chlorohexane	ND		50.0	51.1		ug/L		102	56 - 136	5	30
Chloromethane	ND		40.0	38.5		ug/L		96	49 - 148	6	31
cis-1,2-Dichloroethene	ND		50.0	49.1		ug/L		98	59 - 143	5	30
cis-1,3-Dichloropropene	ND		50.0	49.4		ug/L		99	57 - 140	6	30
1,2-Dichlorobenzene	ND		50.0	51.3		ug/L		103	52 - 137	4	30
1,3-Dichlorobenzene	ND		50.0	50.5		ug/L		101	54 - 135	4	30
1,4-Dichlorobenzene	ND		50.0	52.6		ug/L		105	53 - 135	3	30
Dichlorodifluoromethane	ND		40.0	33.1		ug/L		83	16 - 160	6	31
1,1-Dichloroethane	ND		50.0	49.7		ug/L		99	61 - 144	5	30
1,2-Dichloroethane	ND		50.0	48.3		ug/L		97	60 - 141	7	30
1,1-Dichloroethene	ND		50.0	48.0		ug/L		96	54 - 147	5	30
1,2-Dichloropropane	ND		50.0	48.2		ug/L		96	66 - 137	4	30
1,3-Dichloropropane	ND		50.0	51.3		ug/L		103	66 - 133	6	30
2,2-Dichloropropane	ND		50.0	45.8		ug/L		92	42 - 144	6	31
1,1-Dichloropropene	ND		50.0	49.6		ug/L		99	65 - 136	4	30
Ethylbenzene	ND		50.0	51.2		ug/L		102	58 - 131	5	30
Ethyl methacrylate	ND		50.0	51.7		ug/L		103	64 - 130	8	30
Hexachlorobutadiene	ND		50.0	51.3		ug/L		103	31 - 149	1	36
2-Hexanone	ND		200	212		ug/L		106	65 - 140	10	30
Isopropylbenzene	ND		50.0	51.8		ug/L		104	56 - 133	5	30
Methylene bromide	ND		50.0	49.5		ug/L		99	63 - 138	6	30
Methylene Chloride	ND		50.0	48.2		ug/L		96	60 - 146	6	32
4-Methyl-2-pentanone (MIBK)	ND		200	217		ug/L		109	63 - 146	8	30
Methyl tert-butyl ether	1.1		50.0	49.5		ug/L		97	59 - 137	7	30
m-Xylene & p-Xylene	ND		50.0	51.8		ug/L		104	57 - 130	5	30
Naphthalene	ND		50.0	52.3		ug/L		105	25 - 160	4	30
n-Butylbenzene	ND		50.0	50.0		ug/L		100	41 - 142	0	31
N-Propylbenzene	ND		50.0	48.7		ug/L		97	51 - 138	3	30
o-Chlorotoluene	ND		50.0	46.2		ug/L		92	53 - 134	4	30
o-Xylene	ND		50.0	51.4		ug/L		103	61 - 130	5	30
p-Chlorotoluene	ND		50.0	49.4		ug/L		99	54 - 133	3	30

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

Lab Sample ID: 400-124559-E-3 MSD
Matrix: Water
Analysis Batch: 315486

Client Sample ID: Matrix Spike Duplicate
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	50.0		ug/L		100	48 - 139	1	30
sec-Butylbenzene	ND		50.0	48.4		ug/L		97	50 - 138	3	30
Styrene	ND		50.0	50.2		ug/L		100	58 - 131	6	30
tert-Butylbenzene	ND		50.0	51.8		ug/L		104	54 - 146	3	30
1,1,1,2-Tetrachloroethane	ND		50.0	50.3		ug/L		101	59 - 137	7	30
1,1,2,2-Tetrachloroethane	ND		50.0	52.9		ug/L		106	66 - 135	7	30
Tetrachloroethene	ND		50.0	49.5		ug/L		99	52 - 133	5	30
Toluene	1.3		50.0	51.9		ug/L		101	65 - 130	6	30
trans-1,2-Dichloroethene	ND		50.0	48.0		ug/L		96	61 - 143	4	30
trans-1,3-Dichloropropene	ND		50.0	50.1		ug/L		100	53 - 133	7	30
1,2,3-Trichlorobenzene	ND		50.0	53.8		ug/L		108	43 - 145	1	30
1,2,4-Trichlorobenzene	ND		50.0	53.2		ug/L		106	39 - 148	1	30
1,1,1-Trichloroethane	ND		50.0	49.5		ug/L		99	57 - 142	6	30
1,1,2-Trichloroethane	ND		50.0	51.6		ug/L		103	66 - 131	9	30
Trichloroethene	ND		50.0	50.6		ug/L		101	64 - 136	5	30
Trichlorofluoromethane	ND		40.0	40.1		ug/L		100	54 - 156	9	30
1,2,3-Trichloropropane	ND		50.0	51.8		ug/L		104	65 - 133	8	30
1,2,4-Trimethylbenzene	ND		50.0	48.0		ug/L		96	50 - 139	3	30
1,3,5-Trimethylbenzene	ND		50.0	51.3		ug/L		103	52 - 135	3	30
Vinyl acetate	ND		80.0	82.2		ug/L		103	26 - 160	7	33
Vinyl chloride	ND		40.0	39.7		ug/L		99	46 - 152	6	30
Xylenes, Total	1.7	J	100	103		ug/L		102	59 - 130	5	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*78 - 118*
Dibromofluoromethane	*101*		*81 - 121*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: MB 400-315518/4
Matrix: Water
Analysis Batch: 315518

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			07/24/16 16:36	1
Acrolein	ND		20	10	ug/L			07/24/16 16:36	1
Acrylonitrile	ND		10	2.8	ug/L			07/24/16 16:36	1
Benzene	ND		1.0	0.38	ug/L			07/24/16 16:36	1
Bromobenzene	ND		1.0	0.54	ug/L			07/24/16 16:36	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/24/16 16:36	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/24/16 16:36	1
Bromoform	ND		5.0	0.71	ug/L			07/24/16 16:36	1
Bromomethane	ND		1.0	0.98	ug/L			07/24/16 16:36	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/24/16 16:36	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/24/16 16:36	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			07/24/16 16:36	1
Chlorobenzene	ND		1.0	0.50	ug/L			07/24/16 16:36	1
Dibromochloromethane	ND		1.0	0.50	ug/L			07/24/16 16:36	1
Chloroethane	ND		1.0	0.76	ug/L			07/24/16 16:36	1

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

Lab Sample ID: MB 400-315518/4
Matrix: Water
Analysis Batch: 315518

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			07/24/16 16:36	1
Chloroform	ND		1.0	0.60	ug/L			07/24/16 16:36	1
1-Chlorohexane	ND		1.0	0.70	ug/L			07/24/16 16:36	1
Chloromethane	ND		1.0	0.83	ug/L			07/24/16 16:36	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/24/16 16:36	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/24/16 16:36	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/24/16 16:36	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/24/16 16:36	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/24/16 16:36	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/24/16 16:36	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/24/16 16:36	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			07/24/16 16:36	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/24/16 16:36	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/24/16 16:36	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/24/16 16:36	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/24/16 16:36	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			07/24/16 16:36	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/24/16 16:36	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/24/16 16:36	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/24/16 16:36	1
2-Hexanone	ND		25	3.1	ug/L			07/24/16 16:36	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/24/16 16:36	1
Methylene bromide	ND		5.0	0.59	ug/L			07/24/16 16:36	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/24/16 16:36	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/24/16 16:36	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			07/24/16 16:36	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			07/24/16 16:36	1
Naphthalene	ND		1.0	1.0	ug/L			07/24/16 16:36	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/24/16 16:36	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/24/16 16:36	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/24/16 16:36	1
o-Xylene	ND		5.0	0.60	ug/L			07/24/16 16:36	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/24/16 16:36	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/24/16 16:36	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/24/16 16:36	1
Styrene	ND		1.0	1.0	ug/L			07/24/16 16:36	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/24/16 16:36	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			07/24/16 16:36	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/24/16 16:36	1
Tetrachloroethene	ND		1.0	0.58	ug/L			07/24/16 16:36	1
Toluene	ND		1.0	0.70	ug/L			07/24/16 16:36	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/24/16 16:36	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/24/16 16:36	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			07/24/16 16:36	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/24/16 16:36	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			07/24/16 16:36	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			07/24/16 16:36	1
Trichloroethene	ND		1.0	0.50	ug/L			07/24/16 16:36	1

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

Lab Sample ID: MB 400-315518/4
Matrix: Water
Analysis Batch: 315518

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			07/24/16 16:36	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/24/16 16:36	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/24/16 16:36	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/24/16 16:36	1
Vinyl acetate	ND		25	2.0	ug/L			07/24/16 16:36	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/24/16 16:36	1
Xylenes, Total	ND		10	1.6	ug/L			07/24/16 16:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*78 - 118*		*07/24/16 16:36*	*1*
Dibromofluoromethane	*105*		*81 - 121*		*07/24/16 16:36*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*07/24/16 16:36*	*1*

Lab Sample ID: LCS 400-315518/1002
Matrix: Water
Analysis Batch: 315518

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	200	248		ug/L		124	43 - 160
Acrolein	400	505		ug/L		126	38 - 160
Acrylonitrile	500	628		ug/L		126	64 - 142
Benzene	50.0	45.1		ug/L		90	70 - 130
Bromobenzene	50.0	49.1		ug/L		98	70 - 132
Bromochloromethane	50.0	45.9		ug/L		92	70 - 130
Bromodichloromethane	50.0	46.2		ug/L		92	67 - 133
Bromoform	50.0	46.7		ug/L		93	57 - 140
Bromomethane	40.0	30.6		ug/L		76	10 - 160
2-Butanone (MEK)	200	243		ug/L		121	61 - 145
Carbon disulfide	50.0	42.4		ug/L		85	61 - 137
Carbon tetrachloride	50.0	39.4		ug/L		79	61 - 137
Chlorobenzene	50.0	47.4		ug/L		95	70 - 130
Dibromochloromethane	50.0	45.9		ug/L		92	67 - 135
Chloroethane	40.0	36.8		ug/L		92	55 - 141
2-Chloroethyl vinyl ether	40.0	126	*	ug/L		315	10 - 160
Chloroform	50.0	43.1		ug/L		86	69 - 130
1-Chlorohexane	50.0	44.1		ug/L		88	69 - 130
Chloromethane	40.0	37.2		ug/L		93	58 - 137
cis-1,2-Dichloroethene	50.0	46.7		ug/L		93	68 - 130
cis-1,3-Dichloropropene	50.0	47.4		ug/L		95	69 - 132
1,2-Dichlorobenzene	50.0	49.0		ug/L		98	67 - 130
1,3-Dichlorobenzene	50.0	47.8		ug/L		96	70 - 130
1,4-Dichlorobenzene	50.0	50.0		ug/L		100	70 - 130
Dichlorodifluoromethane	40.0	30.8		ug/L		77	41 - 146
1,1-Dichloroethane	50.0	44.5		ug/L		89	70 - 130
1,2-Dichloroethane	50.0	49.1		ug/L		98	69 - 130
1,1-Dichloroethene	50.0	44.7		ug/L		89	63 - 134
1,2-Dichloropropane	50.0	46.7		ug/L		93	70 - 130
1,3-Dichloropropane	50.0	50.8		ug/L		102	70 - 130

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

Lab Sample ID: LCS 400-315518/1002
Matrix: Water
Analysis Batch: 315518

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	41.0		ug/L		82	52 - 135
1,1-Dichloropropene	50.0	42.8		ug/L		86	70 - 130
Ethylbenzene	50.0	45.2		ug/L		90	70 - 130
Ethyl methacrylate	50.0	52.0		ug/L		104	68 - 130
Hexachlorobutadiene	50.0	46.8		ug/L		94	53 - 140
2-Hexanone	200	241		ug/L		121	65 - 137
Isopropylbenzene	50.0	45.6		ug/L		91	70 - 130
Methylene bromide	50.0	48.6		ug/L		97	70 - 130
Methylene Chloride	50.0	44.8		ug/L		90	66 - 135
4-Methyl-2-pentanone (MIBK)	200	253		ug/L		127	69 - 138
Methyl tert-butyl ether	50.0	51.0		ug/L		102	66 - 130
m-Xylene & p-Xylene	50.0	45.3		ug/L		91	70 - 130
Naphthalene	50.0	51.7		ug/L		103	47 - 149
n-Butylbenzene	50.0	44.8		ug/L		90	67 - 130
N-Propylbenzene	50.0	45.2		ug/L		90	70 - 130
o-Chlorotoluene	50.0	44.7		ug/L		89	70 - 130
o-Xylene	50.0	46.8		ug/L		94	70 - 130
p-Chlorotoluene	50.0	46.9		ug/L		94	70 - 130
p-Isopropyltoluene	50.0	45.4		ug/L		91	65 - 130
sec-Butylbenzene	50.0	43.9		ug/L		88	66 - 130
Styrene	50.0	46.0		ug/L		92	70 - 130
tert-Butylbenzene	50.0	46.9		ug/L		94	64 - 139
1,1,1,2-Tetrachloroethane	50.0	45.5		ug/L		91	67 - 131
1,1,2,2-Tetrachloroethane	50.0	59.3		ug/L		119	70 - 131
Tetrachloroethene	50.0	42.8		ug/L		86	65 - 130
Toluene	50.0	44.5		ug/L		89	70 - 130
trans-1,2-Dichloroethene	50.0	41.6		ug/L		83	70 - 130
trans-1,3-Dichloropropene	50.0	48.1		ug/L		96	63 - 130
1,2,3-Trichlorobenzene	50.0	50.8		ug/L		102	60 - 138
1,2,4-Trichlorobenzene	50.0	51.1		ug/L		102	60 - 140
1,1,1-Trichloroethane	50.0	41.8		ug/L		84	68 - 130
1,1,2-Trichloroethane	50.0	51.7		ug/L		103	70 - 130
Trichloroethene	50.0	44.0		ug/L		88	70 - 130
Trichlorofluoromethane	40.0	34.6		ug/L		87	65 - 138
1,2,3-Trichloropropane	50.0	57.5		ug/L		115	70 - 130
1,2,4-Trimethylbenzene	50.0	44.0		ug/L		88	70 - 130
1,3,5-Trimethylbenzene	50.0	47.7		ug/L		95	69 - 130
Vinyl acetate	80.0	90.2		ug/L		113	26 - 160
Vinyl chloride	40.0	35.5		ug/L		89	59 - 136
Xylenes, Total	100	92.1		ug/L		92	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*78 - 118*
Dibromofluoromethane	*96*		*81 - 121*
Toluene-d8 (Surr)	*98*		*80 - 120*

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

Lab Sample ID: 400-124556-E-3 MS
Matrix: Water
Analysis Batch: 315518

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		200	251		ug/L		86	43 - 160
Acrolein	ND		400	440		ug/L		110	38 - 160
Acrylonitrile	ND		500	565		ug/L		113	62 - 149
Benzene	0.80	J	50.0	52.8		ug/L		104	56 - 142
Bromobenzene	ND		50.0	51.5		ug/L		103	59 - 136
Bromochloromethane	ND		50.0	50.5		ug/L		101	64 - 140
Bromodichloromethane	ND		50.0	50.8		ug/L		102	59 - 143
Bromoform	ND		50.0	50.1		ug/L		100	50 - 140
Bromomethane	ND		40.0	27.7		ug/L		69	10 - 160
2-Butanone (MEK)	ND		200	211		ug/L		105	55 - 150
Carbon disulfide	ND		50.0	50.3		ug/L		101	48 - 152
Carbon tetrachloride	ND		50.0	47.5		ug/L		95	55 - 145
Chlorobenzene	ND		50.0	52.9		ug/L		106	64 - 130
Dibromochloromethane	ND		50.0	51.1		ug/L		102	56 - 143
Chloroethane	ND		40.0	42.2		ug/L		105	50 - 151
2-Chloroethyl vinyl ether	ND	F1 *	40.0	ND	F1	ug/L		0	10 - 160
Chloroform	ND		50.0	50.2		ug/L		100	60 - 141
1-Chlorohexane	ND		50.0	52.2		ug/L		104	56 - 136
Chloromethane	ND		40.0	38.5		ug/L		96	49 - 148
cis-1,2-Dichloroethene	ND		50.0	50.6		ug/L		101	59 - 143
cis-1,3-Dichloropropene	ND		50.0	51.3		ug/L		103	57 - 140
1,2-Dichlorobenzene	ND		50.0	52.2		ug/L		104	52 - 137
1,3-Dichlorobenzene	ND		50.0	51.3		ug/L		103	54 - 135
1,4-Dichlorobenzene	ND		50.0	52.7		ug/L		105	53 - 135
Dichlorodifluoromethane	ND		40.0	33.6		ug/L		84	16 - 160
1,1-Dichloroethane	ND		50.0	52.4		ug/L		105	61 - 144
1,2-Dichloroethane	ND		50.0	51.6		ug/L		103	60 - 141
1,1-Dichloroethene	ND		50.0	50.2		ug/L		100	54 - 147
1,2-Dichloropropane	ND		50.0	50.6		ug/L		101	66 - 137
1,3-Dichloropropane	ND		50.0	53.1		ug/L		106	66 - 133
2,2-Dichloropropane	ND		50.0	47.1		ug/L		94	42 - 144
1,1-Dichloropropene	ND		50.0	51.3		ug/L		103	65 - 136
Ethylbenzene	ND		50.0	51.7		ug/L		103	58 - 131
Ethyl methacrylate	ND		50.0	54.0		ug/L		108	64 - 130
Hexachlorobutadiene	ND		50.0	51.4		ug/L		103	31 - 149
2-Hexanone	ND		200	220		ug/L		110	65 - 140
Isopropylbenzene	0.53	J	50.0	52.9		ug/L		105	56 - 133
Methylene bromide	ND		50.0	52.3		ug/L		105	63 - 138
Methylene Chloride	ND		50.0	48.9		ug/L		98	60 - 146
4-Methyl-2-pentanone (MIBK)	ND		200	229		ug/L		115	63 - 146
Methyl tert-butyl ether	ND		50.0	56.6		ug/L		99	59 - 137
m-Xylene & p-Xylene	ND		50.0	52.1		ug/L		104	57 - 130
Naphthalene	ND		50.0	53.7		ug/L		107	25 - 160
n-Butylbenzene	ND		50.0	49.8		ug/L		100	41 - 142
N-Propylbenzene	ND		50.0	49.2		ug/L		98	51 - 138
o-Chlorotoluene	ND		50.0	46.1		ug/L		92	53 - 134
o-Xylene	ND		50.0	52.0		ug/L		104	61 - 130
p-Chlorotoluene	ND		50.0	50.5		ug/L		101	54 - 133

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

Lab Sample ID: 400-124556-E-3 MS
Matrix: Water
Analysis Batch: 315518

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
p-Isopropyltoluene	ND		50.0	49.4		ug/L		99	48 - 139
sec-Butylbenzene	ND		50.0	48.9		ug/L		98	50 - 138
Styrene	ND		50.0	50.8		ug/L		102	58 - 131
tert-Butylbenzene	ND		50.0	51.7		ug/L		103	54 - 146
1,1,1,2-Tetrachloroethane	ND		50.0	51.3		ug/L		103	59 - 137
1,1,2,2-Tetrachloroethane	ND		50.0	54.9		ug/L		110	66 - 135
Tetrachloroethene	ND		50.0	50.1		ug/L		100	52 - 133
Toluene	ND		50.0	52.3		ug/L		105	65 - 130
trans-1,2-Dichloroethene	ND		50.0	49.3		ug/L		99	61 - 143
trans-1,3-Dichloropropene	ND		50.0	50.8		ug/L		102	53 - 133
1,2,3-Trichlorobenzene	ND		50.0	54.5		ug/L		109	43 - 145
1,2,4-Trichlorobenzene	ND		50.0	53.9		ug/L		108	39 - 148
1,1,1-Trichloroethane	ND		50.0	51.3		ug/L		103	57 - 142
1,1,2-Trichloroethane	ND		50.0	53.2		ug/L		106	66 - 131
Trichloroethene	ND		50.0	52.2		ug/L		104	64 - 136
Trichlorofluoromethane	ND		40.0	40.0		ug/L		100	54 - 156
1,2,3-Trichloropropane	ND		50.0	54.2		ug/L		108	65 - 133
1,2,4-Trimethylbenzene	ND		50.0	48.4		ug/L		97	50 - 139
1,3,5-Trimethylbenzene	ND		50.0	51.8		ug/L		104	52 - 135
Vinyl acetate	ND		80.0	83.7		ug/L		105	26 - 160
Vinyl chloride	ND		40.0	39.6		ug/L		99	46 - 152
Xylenes, Total	1.6	J	100	104		ug/L		104	59 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*78 - 118*
Dibromofluoromethane	*101*		*81 - 121*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: 400-124556-E-3 MSD
Matrix: Water
Analysis Batch: 315518

Client Sample ID: Matrix Spike Duplicate
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	278		ug/L		99	43 - 160	10	30
Acrolein	ND		400	466		ug/L		116	38 - 160	6	31
Acrylonitrile	ND		500	604		ug/L		121	62 - 149	7	30
Benzene	0.80	J	50.0	54.9		ug/L		108	56 - 142	4	30
Bromobenzene	ND		50.0	50.1		ug/L		100	59 - 136	3	30
Bromochloromethane	ND		50.0	51.4		ug/L		103	64 - 140	2	30
Bromodichloromethane	ND		50.0	51.9		ug/L		104	59 - 143	2	30
Bromoform	ND		50.0	51.9		ug/L		104	50 - 140	4	30
Bromomethane	ND		40.0	28.4		ug/L		71	10 - 160	3	50
2-Butanone (MEK)	ND		200	226		ug/L		113	55 - 150	7	30
Carbon disulfide	ND		50.0	51.1		ug/L		102	48 - 152	2	30
Carbon tetrachloride	ND		50.0	48.6		ug/L		97	55 - 145	2	30
Chlorobenzene	ND		50.0	52.5		ug/L		105	64 - 130	1	30
Dibromochloromethane	ND		50.0	51.6		ug/L		103	56 - 143	1	30
Chloroethane	ND		40.0	41.6		ug/L		104	50 - 151	1	30

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

Lab Sample ID: 400-124556-E-3 MSD
Matrix: Water
Analysis Batch: 315518

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Chloroethyl vinyl ether	ND	F1 *	40.0	ND	F1	ug/L		0	10 - 160	NC	50
Chloroform	ND		50.0	51.7		ug/L		103	60 - 141	3	30
1-Chlorohexane	ND		50.0	50.3		ug/L		101	56 - 136	4	30
Chloromethane	ND		40.0	38.4		ug/L		96	49 - 148	0	31
cis-1,2-Dichloroethene	ND		50.0	52.0		ug/L		104	59 - 143	3	30
cis-1,3-Dichloropropene	ND		50.0	52.2		ug/L		104	57 - 140	2	30
1,2-Dichlorobenzene	ND		50.0	50.4		ug/L		101	52 - 137	3	30
1,3-Dichlorobenzene	ND		50.0	48.7		ug/L		97	54 - 135	5	30
1,4-Dichlorobenzene	ND		50.0	50.4		ug/L		101	53 - 135	4	30
Dichlorodifluoromethane	ND		40.0	33.8		ug/L		84	16 - 160	1	31
1,1-Dichloroethane	ND		50.0	53.6		ug/L		107	61 - 144	2	30
1,2-Dichloroethane	ND		50.0	52.9		ug/L		106	60 - 141	3	30
1,1-Dichloroethene	ND		50.0	52.4		ug/L		105	54 - 147	4	30
1,2-Dichloropropane	ND		50.0	51.3		ug/L		103	66 - 137	1	30
1,3-Dichloropropane	ND		50.0	54.1		ug/L		108	66 - 133	2	30
2,2-Dichloropropane	ND		50.0	47.3		ug/L		95	42 - 144	0	31
1,1-Dichloropropene	ND		50.0	51.7		ug/L		103	65 - 136	1	30
Ethylbenzene	ND		50.0	50.4		ug/L		101	58 - 131	2	30
Ethyl methacrylate	ND		50.0	56.2		ug/L		112	64 - 130	4	30
Hexachlorobutadiene	ND		50.0	46.9		ug/L		94	31 - 149	9	36
2-Hexanone	ND		200	235		ug/L		118	65 - 140	7	30
Isopropylbenzene	0.53	J	50.0	50.8		ug/L		101	56 - 133	4	30
Methylene bromide	ND		50.0	53.7		ug/L		107	63 - 138	3	30
Methylene Chloride	ND		50.0	49.9		ug/L		100	60 - 146	2	32
4-Methyl-2-pentanone (MIBK)	ND		200	245		ug/L		123	63 - 146	7	30
Methyl tert-butyl ether	ND		50.0	57.7		ug/L		101	59 - 137	2	30
m-Xylene & p-Xylene	ND		50.0	50.8		ug/L		102	57 - 130	3	30
Naphthalene	ND		50.0	55.8		ug/L		112	25 - 160	4	30
n-Butylbenzene	ND		50.0	45.9		ug/L		92	41 - 142	8	31
N-Propylbenzene	ND		50.0	46.5		ug/L		93	51 - 138	6	30
o-Chlorotoluene	ND		50.0	44.7		ug/L		89	53 - 134	3	30
o-Xylene	ND		50.0	50.9		ug/L		102	61 - 130	2	30
p-Chlorotoluene	ND		50.0	47.4		ug/L		95	54 - 133	6	30
p-Isopropyltoluene	ND		50.0	46.1		ug/L		92	48 - 139	7	30
sec-Butylbenzene	ND		50.0	45.8		ug/L		92	50 - 138	7	30
Styrene	ND		50.0	49.8		ug/L		100	58 - 131	2	30
tert-Butylbenzene	ND		50.0	49.8		ug/L		100	54 - 146	4	30
1,1,1,2-Tetrachloroethane	ND		50.0	52.1		ug/L		104	59 - 137	1	30
1,1,2,2-Tetrachloroethane	ND		50.0	57.3		ug/L		115	66 - 135	4	30
Tetrachloroethene	ND		50.0	49.0		ug/L		98	52 - 133	2	30
Toluene	ND		50.0	52.2		ug/L		104	65 - 130	0	30
trans-1,2-Dichloroethene	ND		50.0	49.8		ug/L		100	61 - 143	1	30
trans-1,3-Dichloropropene	ND		50.0	52.1		ug/L		104	53 - 133	3	30
1,2,3-Trichlorobenzene	ND		50.0	53.0		ug/L		106	43 - 145	3	30
1,2,4-Trichlorobenzene	ND		50.0	52.0		ug/L		104	39 - 148	4	30
1,1,1-Trichloroethane	ND		50.0	52.5		ug/L		105	57 - 142	2	30
1,1,2-Trichloroethane	ND		50.0	55.3		ug/L		111	66 - 131	4	30
Trichloroethene	ND		50.0	52.1		ug/L		104	64 - 136	0	30

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

Lab Sample ID: 400-124556-E-3 MSD
Matrix: Water
Analysis Batch: 315518

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Trichlorofluoromethane	ND		40.0	40.5		ug/L		101	54 - 156	1	30
1,2,3-Trichloropropane	ND		50.0	56.0		ug/L		112	65 - 133	3	30
1,2,4-Trimethylbenzene	ND		50.0	45.1		ug/L		90	50 - 139	7	30
1,3,5-Trimethylbenzene	ND		50.0	49.3		ug/L		99	52 - 135	5	30
Vinyl acetate	ND		80.0	88.3		ug/L		110	26 - 160	5	33
Vinyl chloride	ND		40.0	40.4		ug/L		101	46 - 152	2	30
Xylenes, Total	1.6	J	100	102		ug/L		102	59 - 130	2	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*78 - 118*
Dibromofluoromethane	*102*		*81 - 121*
Toluene-d8 (Surr)	*99*		*80 - 120*

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

Lab Sample ID: MB 400-314926/1-A
Matrix: Water
Analysis Batch: 315342

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 314926

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		07/19/16 17:02	07/22/16 14:23	1
Benzenethiol	ND		10	1.7	ug/L		07/19/16 17:02	07/22/16 14:23	1
Benzoic acid	ND		30	7.3	ug/L		07/19/16 17:02	07/22/16 14:23	1
Benzyl alcohol	ND		10	2.0	ug/L		07/19/16 17:02	07/22/16 14:23	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		07/19/16 17:02	07/22/16 14:23	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		07/19/16 17:02	07/22/16 14:23	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		07/19/16 17:02	07/22/16 14:23	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		07/19/16 17:02	07/22/16 14:23	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		07/19/16 17:02	07/22/16 14:23	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		07/19/16 17:02	07/22/16 14:23	1
4-Chloroaniline	ND		10	3.4	ug/L		07/19/16 17:02	07/22/16 14:23	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		07/19/16 17:02	07/22/16 14:23	1
2-Chloronaphthalene	ND		10	0.52	ug/L		07/19/16 17:02	07/22/16 14:23	1
2-Chlorophenol	ND		10	2.2	ug/L		07/19/16 17:02	07/22/16 14:23	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		07/19/16 17:02	07/22/16 14:23	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		07/19/16 17:02	07/22/16 14:23	1
Dibenzofuran	ND		10	0.52	ug/L		07/19/16 17:02	07/22/16 14:23	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		07/19/16 17:02	07/22/16 14:23	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		07/19/16 17:02	07/22/16 14:23	1
Diethyl phthalate	ND		10	0.70	ug/L		07/19/16 17:02	07/22/16 14:23	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		07/19/16 17:02	07/22/16 14:23	1
Dimethyl phthalate	ND		10	0.60	ug/L		07/19/16 17:02	07/22/16 14:23	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		07/19/16 17:02	07/22/16 14:23	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/19/16 17:02	07/22/16 14:23	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		07/19/16 17:02	07/22/16 14:23	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		07/19/16 17:02	07/22/16 14:23	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		07/19/16 17:02	07/22/16 14:23	1
Di-n-octyl phthalate	0.577	J	10	0.44	ug/L		07/19/16 17:02	07/22/16 14:23	1

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

Lab Sample ID: MB 400-314926/1-A
Matrix: Water
Analysis Batch: 315342

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 314926

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		10	1.0	ug/L		07/19/16 17:02	07/22/16 14:23	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		07/19/16 17:02	07/22/16 14:23	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/19/16 17:02	07/22/16 14:23	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		07/19/16 17:02	07/22/16 14:23	1
Hexachloroethane	ND		10	4.2	ug/L		07/19/16 17:02	07/22/16 14:23	1
Indene	ND		10	1.0	ug/L		07/19/16 17:02	07/22/16 14:23	1
Isophorone	ND		10	0.57	ug/L		07/19/16 17:02	07/22/16 14:23	1
2-Methylphenol	ND		10	1.8	ug/L		07/19/16 17:02	07/22/16 14:23	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		07/19/16 17:02	07/22/16 14:23	1
2-Nitroaniline	ND		10	2.2	ug/L		07/19/16 17:02	07/22/16 14:23	1
3-Nitroaniline	ND		10	1.8	ug/L		07/19/16 17:02	07/22/16 14:23	1
4-Nitroaniline	ND		10	2.5	ug/L		07/19/16 17:02	07/22/16 14:23	1
Nitrobenzene	ND		10	0.55	ug/L		07/19/16 17:02	07/22/16 14:23	1
2-Nitrophenol	ND		10	0.65	ug/L		07/19/16 17:02	07/22/16 14:23	1
4-Nitrophenol	ND		10	2.1	ug/L		07/19/16 17:02	07/22/16 14:23	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		07/19/16 17:02	07/22/16 14:23	1
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		07/19/16 17:02	07/22/16 14:23	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		07/19/16 17:02	07/22/16 14:23	1
Pentachlorophenol	ND		20	1.8	ug/L		07/19/16 17:02	07/22/16 14:23	1
Phenol	ND		10	2.6	ug/L		07/19/16 17:02	07/22/16 14:23	1
Pyridine	ND		10	3.2	ug/L		07/19/16 17:02	07/22/16 14:23	1
Quinoline	ND		10	6.0	ug/L		07/19/16 17:02	07/22/16 14:23	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		07/19/16 17:02	07/22/16 14:23	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		07/19/16 17:02	07/22/16 14:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*62*		*34 - 120*	*07/19/16 17:02*	*07/22/16 14:23*	*1*
2-Fluorophenol	*66*		*10 - 120*	*07/19/16 17:02*	*07/22/16 14:23*	*1*
Nitrobenzene-d5	*66*		*27 - 120*	*07/19/16 17:02*	*07/22/16 14:23*	*1*
Phenol-d5	*74*		*10 - 120*	*07/19/16 17:02*	*07/22/16 14:23*	*1*
Terphenyl-d14	*68*		*53 - 125*	*07/19/16 17:02*	*07/22/16 14:23*	*1*
2,4,6-Tribromophenol	*51*		*15 - 135*	*07/19/16 17:02*	*07/22/16 14:23*	*1*

Lab Sample ID: LCS 400-314926/2-A
Matrix: Water
Analysis Batch: 315342

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 314926

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aniline	30.0	8.06	J	ug/L		27	10 - 145
Benzoic acid	121	13.5	J	ug/L		11	10 - 120
Benzyl alcohol	30.0	25.4		ug/L		85	51 - 121
Bis(2-chloroethoxy)methane	30.0	19.3		ug/L		64	54 - 123
Bis(2-chloroethyl)ether	30.0	19.8		ug/L		66	47 - 120
bis (2-chloroisopropyl) ether	30.0	21.6		ug/L		72	20 - 142
Bis(2-ethylhexyl) phthalate	30.0	24.1		ug/L		80	62 - 140
4-Bromophenyl phenyl ether	30.0	21.9		ug/L		73	62 - 132
Butyl benzyl phthalate	30.0	23.8		ug/L		79	51 - 150

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

Lab Sample ID: LCS 400-314926/2-A
Matrix: Water
Analysis Batch: 315342

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 314926

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Chloroaniline	30.0	17.2		ug/L		57	32 - 128
4-Chloro-3-methylphenol	30.0	22.9		ug/L		76	47 - 135
2-Chloronaphthalene	30.0	19.7		ug/L		66	24 - 150
2-Chlorophenol	30.0	19.0		ug/L		63	45 - 120
4-Chlorophenyl phenyl ether	30.0	20.3		ug/L		68	61 - 133
Dibenz[a,h]acridine	30.0	23.9		ug/L		80	60 - 131
Dibenzofuran	30.0	20.0		ug/L		67	62 - 124
3,3'-Dichlorobenzidine	40.0	25.6		ug/L		64	16 - 167
2,4-Dichlorophenol	30.0	20.3		ug/L		68	52 - 125
Diethyl phthalate	30.0	22.5		ug/L		75	55 - 140
2,4-Dimethylphenol	30.0	19.8		ug/L		66	52 - 121
Dimethyl phthalate	30.0	21.3		ug/L		71	50 - 133
Di-n-butyl phthalate	30.0	23.8		ug/L		79	59 - 144
4,6-Dinitro-ortho-cresol	60.0	36.5		ug/L		61	46 - 136
2,4-Dinitrophenol	101	64.6		ug/L		64	22 - 146
2,4-Dinitrotoluene	30.0	22.7		ug/L		76	54 - 141
2,6-Dinitrotoluene	30.0	21.3		ug/L		71	61 - 130
Di-n-octyl phthalate	30.0	24.3		ug/L		81	55 - 140
1,4-Dioxane	30.0	12.7		ug/L		42	10 - 130
1,2-Diphenylhydrazine (as Azobenzene)	30.0	23.1		ug/L		77	55 - 139
Hexachlorobenzene	30.0	23.2		ug/L		77	60 - 138
Hexachlorocyclopentadiene	30.0	16.8	J	ug/L		56	1 - 139
Hexachloroethane	30.0	17.8		ug/L		59	46 - 121
Indene	30.0	18.2		ug/L		61	17 - 141
Isophorone	30.0	20.4		ug/L		68	57 - 122
2-Methylphenol	30.0	22.4		ug/L		75	38 - 121
3 & 4 Methylphenol	30.0	19.8	J	ug/L		66	43 - 126
2-Nitroaniline	30.0	26.0		ug/L		87	52 - 135
3-Nitroaniline	30.0	23.6		ug/L		79	51 - 128
4-Nitroaniline	30.0	24.2		ug/L		81	38 - 141
Nitrobenzene	30.0	18.7		ug/L		62	52 - 128
2-Nitrophenol	30.0	18.1		ug/L		60	47 - 129
4-Nitrophenol	60.0	50.5		ug/L		84	34 - 137
N-Nitrosodimethylamine	30.0	19.7		ug/L		66	21 - 134
N-Nitrosodi-n-propylamine	30.0	22.2		ug/L		74	41 - 143
N-Nitrosodiphenylamine	30.0	20.7		ug/L		69	10 - 185
Pentachlorophenol	60.0	41.2		ug/L		69	38 - 138
Phenol	30.0	22.8		ug/L		76	37 - 120
Pyridine	30.0	ND	*	ug/L		2	10 - 127
Quinoline	30.0	19.7		ug/L		66	10 - 164
2,4,5-Trichlorophenol	30.0	23.6		ug/L		79	53 - 130
2,4,6-Trichlorophenol	30.0	23.0		ug/L		77	52 - 131

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*60*		*34 - 120*
2-Fluorophenol	*59*		*10 - 120*
Nitrobenzene-d5	*57*		*27 - 120*

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

Lab Sample ID: LCS 400-314926/2-A
Matrix: Water
Analysis Batch: 315342

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 314926

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Phenol-d5	*67*		*10 - 120*
Terphenyl-d14	*66*		*53 - 125*
2,4,6-Tribromophenol	*72*		*15 - 135*

Lab Sample ID: LCS 400-314926/4-A
Matrix: Water
Analysis Batch: 315342

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 314926

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzenethiol	100	74.9		ug/L		75	20 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	*68*		*34 - 120*
2-Fluorophenol	*75*		*10 - 120*
Nitrobenzene-d5	*74*		*27 - 120*
Phenol-d5	*79*		*10 - 120*
Terphenyl-d14	*75*		*53 - 125*
2,4,6-Tribromophenol	*51*		*15 - 135*

Lab Sample ID: LCSD 400-314926/3-A
Matrix: Water
Analysis Batch: 315342

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 314926

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aniline	30.0	8.22	J	ug/L		27	10 - 145	2	30
Benzoic acid	121	20.3	J *	ug/L		17	10 - 120	40	30
Benzyl alcohol	30.0	27.5		ug/L		92	51 - 121	8	30
Bis(2-chloroethoxy)methane	30.0	22.7		ug/L		76	54 - 123	16	30
Bis(2-chloroethyl)ether	30.0	22.3		ug/L		74	47 - 120	12	30
bis (2-chloroisopropyl) ether	30.0	24.6		ug/L		82	20 - 142	13	30
Bis(2-ethylhexyl) phthalate	30.0	24.9		ug/L		83	62 - 140	3	30
4-Bromophenyl phenyl ether	30.0	23.0		ug/L		77	62 - 132	5	30
Butyl benzyl phthalate	30.0	24.8		ug/L		83	51 - 150	4	30
4-Chloroaniline	30.0	19.9		ug/L		66	32 - 128	14	30
4-Chloro-3-methylphenol	30.0	25.5		ug/L		85	47 - 135	11	30
2-Chloronaphthalene	30.0	21.3		ug/L		71	24 - 150	8	30
2-Chlorophenol	30.0	21.9		ug/L		73	45 - 120	15	30
4-Chlorophenyl phenyl ether	30.0	21.6		ug/L		72	61 - 133	6	30
Dibenz[a,h]acridine	30.0	25.1		ug/L		84	60 - 131	5	30
Dibenzofuran	30.0	21.3		ug/L		71	62 - 124	7	30
3,3'-Dichlorobenzidine	40.0	27.2		ug/L		68	16 - 167	6	30
2,4-Dichlorophenol	30.0	23.6		ug/L		79	52 - 125	15	30
Diethyl phthalate	30.0	23.7		ug/L		79	55 - 140	5	30
2,4-Dimethylphenol	30.0	22.9		ug/L		76	52 - 121	14	30
Dimethyl phthalate	30.0	22.5		ug/L		75	50 - 133	6	30
Di-n-butyl phthalate	30.0	24.9		ug/L		83	59 - 144	5	30
4,6-Dinitro-ortho-cresol	60.0	38.0		ug/L		63	46 - 136	4	30
2,4-Dinitrophenol	101	63.4		ug/L		63	22 - 146	2	30

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

Lab Sample ID: LCSD 400-314926/3-A
Matrix: Water
Analysis Batch: 315342

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 314926

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-Dinitrotoluene	30.0	23.9		ug/L		80	54 - 141	5	30
2,6-Dinitrotoluene	30.0	22.5		ug/L		75	61 - 130	5	30
Di-n-octyl phthalate	30.0	24.9		ug/L		83	55 - 140	2	30
1,4-Dioxane	30.0	14.8		ug/L		49	10 - 130	15	30
1,2-Diphenylhydrazine (as Azobenzene)	30.0	24.8		ug/L		83	55 - 139	7	30
Hexachlorobenzene	30.0	24.4		ug/L		81	60 - 138	5	30
Hexachlorocyclopentadiene	30.0	19.1	J	ug/L		64	1 - 139	13	30
Hexachloroethane	30.0	20.1		ug/L		67	46 - 121	12	30
Indene	30.0	21.0		ug/L		70	17 - 141	14	30
Isophorone	30.0	23.5		ug/L		78	57 - 122	14	30
2-Methylphenol	30.0	26.2		ug/L		87	38 - 121	16	30
3 & 4 Methylphenol	30.0	22.1		ug/L		74	43 - 126	11	30
2-Nitroaniline	30.0	27.2		ug/L		91	52 - 135	4	30
3-Nitroaniline	30.0	25.3		ug/L		84	51 - 128	7	30
4-Nitroaniline	30.0	25.8		ug/L		86	38 - 141	6	30
Nitrobenzene	30.0	22.7		ug/L		76	52 - 128	19	30
2-Nitrophenol	30.0	21.4		ug/L		71	47 - 129	17	30
4-Nitrophenol	60.0	53.7		ug/L		89	34 - 137	6	30
N-Nitrosodimethylamine	30.0	21.7		ug/L		72	21 - 134	10	30
N-Nitrosodi-n-propylamine	30.0	24.7		ug/L		82	41 - 143	11	30
N-Nitrosodiphenylamine	30.0	22.0		ug/L		73	10 - 185	6	30
Pentachlorophenol	60.0	43.6		ug/L		73	38 - 138	6	30
Phenol	30.0	26.7		ug/L		89	37 - 120	16	30
Pyridine	30.0	ND	*	ug/L		2	10 - 127	8	30
Quinoline	30.0	21.3		ug/L		71	10 - 164	8	30
2,4,5-Trichlorophenol	30.0	24.9		ug/L		83	53 - 130	5	30
2,4,6-Trichlorophenol	30.0	24.1		ug/L		80	52 - 131	5	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*66*		*34 - 120*
2-Fluorophenol	*70*		*10 - 120*
Nitrobenzene-d5	*71*		*27 - 120*
Phenol-d5	*78*		*10 - 120*
Terphenyl-d14	*70*		*53 - 125*
2,4,6-Tribromophenol	*77*		*15 - 135*

Lab Sample ID: LCSD 400-314926/5-A
Matrix: Water
Analysis Batch: 315342

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 314926

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzenethiol	100	63.4		ug/L		63	20 - 150	17	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*62*		*34 - 120*
2-Fluorophenol	*68*		*10 - 120*
Nitrobenzene-d5	*67*		*27 - 120*

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

Lab Sample ID: LCSD 400-314926/5-A
Matrix: Water
Analysis Batch: 315342

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 314926

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Phenol-d5	*73*		*10 - 120*
Terphenyl-d14	*68*		*53 - 125*
2,4,6-Tribromophenol	*50*		*15 - 135*

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

Lab Sample ID: MB 400-314926/1-A
Matrix: Water
Analysis Batch: 315121

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 314926

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.020	ug/L		07/19/16 17:02	07/21/16 08:35	1
Acenaphthylene	ND		0.20	0.020	ug/L		07/19/16 17:02	07/21/16 08:35	1
Anthracene	ND		0.20	0.020	ug/L		07/19/16 17:02	07/21/16 08:35	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/19/16 17:02	07/21/16 08:35	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		07/19/16 17:02	07/21/16 08:35	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		07/19/16 17:02	07/21/16 08:35	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		07/19/16 17:02	07/21/16 08:35	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/19/16 17:02	07/21/16 08:35	1
Chrysene	ND		0.20	0.040	ug/L		07/19/16 17:02	07/21/16 08:35	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		07/19/16 17:02	07/21/16 08:35	1
Fluoranthene	ND		0.20	0.020	ug/L		07/19/16 17:02	07/21/16 08:35	1
Fluorene	ND		0.20	0.021	ug/L		07/19/16 17:02	07/21/16 08:35	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		07/19/16 17:02	07/21/16 08:35	1
Phenanthrene	ND		0.20	0.020	ug/L		07/19/16 17:02	07/21/16 08:35	1
Pyrene	ND		0.20	0.020	ug/L		07/19/16 17:02	07/21/16 08:35	1
1-Methylnaphthalene	ND		0.20	0.020	ug/L		07/19/16 17:02	07/21/16 08:35	1
2-Methylnaphthalene	ND		0.20	0.020	ug/L		07/19/16 17:02	07/21/16 08:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*54*		*33 - 138*	*07/19/16 17:02*	*07/21/16 08:35*	*1*
2-Fluorobiphenyl	*41*		*15 - 122*	*07/19/16 17:02*	*07/21/16 08:35*	*1*
Nitrobenzene-d5	*43*		*19 - 130*	*07/19/16 17:02*	*07/21/16 08:35*	*1*

Lab Sample ID: LCS 400-314926/2-A
Matrix: Water
Analysis Batch: 315121

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 314926

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	30.0	23.9		ug/L		80	41 - 120
Acenaphthylene	30.0	24.3		ug/L		81	44 - 120
Anthracene	30.0	22.4		ug/L		75	49 - 120
Benzo[a]anthracene	30.0	23.2		ug/L		77	61 - 135
Benzo[a]pyrene	30.0	21.5		ug/L		72	52 - 120
Benzo[b]fluoranthene	30.0	22.1		ug/L		74	53 - 134
Benzo[g,h,i]perylene	30.0	23.6		ug/L		79	47 - 133
Benzo[k]fluoranthene	30.0	24.0		ug/L		80	57 - 134

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

Lab Sample ID: LCS 400-314926/2-A
Matrix: Water
Analysis Batch: 315121

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 314926

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chrysene	30.0	22.4		ug/L		75	55 - 122
Dibenz(a,h)anthracene	30.0	24.2		ug/L		81	48 - 146
Fluoranthene	30.0	24.0		ug/L		80	54 - 128
Fluorene	30.0	24.6		ug/L		82	45 - 125
Indeno[1,2,3-cd]pyrene	30.0	23.1		ug/L		77	43 - 142
Phenanthrene	30.0	24.1		ug/L		80	48 - 120
Pyrene	30.0	22.5		ug/L		75	48 - 132
1-Methylnaphthalene	30.0	21.3		ug/L		71	41 - 120
2-Methylnaphthalene	30.0	21.6		ug/L		72	32 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Terphenyl-d14	*73*		*33 - 138*
2-Fluorobiphenyl	*71*		*15 - 122*
Nitrobenzene-d5	*90*		*19 - 130*

Lab Sample ID: LCSD 400-314926/3-A
Matrix: Water
Analysis Batch: 315121

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 314926

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	30.0	27.3		ug/L		91	41 - 120	13	56
Acenaphthylene	30.0	27.4		ug/L		91	44 - 120	12	56
Anthracene	30.0	24.8		ug/L		83	49 - 120	10	51
Benzo[a]anthracene	30.0	25.5		ug/L		85	61 - 135	10	49
Benzo[a]pyrene	30.0	24.1		ug/L		80	52 - 120	11	50
Benzo[b]fluoranthene	30.0	25.3		ug/L		84	53 - 134	13	54
Benzo[g,h,i]perylene	30.0	26.2		ug/L		87	47 - 133	11	50
Benzo[k]fluoranthene	30.0	26.2		ug/L		87	57 - 134	9	52
Chrysene	30.0	24.8		ug/L		83	55 - 122	10	50
Dibenz(a,h)anthracene	30.0	27.6		ug/L		92	48 - 146	13	50
Fluoranthene	30.0	26.6		ug/L		89	54 - 128	10	52
Fluorene	30.0	27.8		ug/L		93	45 - 125	12	56
Indeno[1,2,3-cd]pyrene	30.0	25.8		ug/L		86	43 - 142	11	51
Phenanthrene	30.0	26.6		ug/L		89	48 - 120	10	56
Pyrene	30.0	24.9		ug/L		83	48 - 132	10	52
1-Methylnaphthalene	30.0	23.1		ug/L		77	41 - 120	8	55
2-Methylnaphthalene	30.0	24.4		ug/L		81	32 - 124	12	57

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Terphenyl-d14	*78*		*33 - 138*
2-Fluorobiphenyl	*78*		*15 - 122*
Nitrobenzene-d5	*103*		*19 - 130*

Method: 8011 - EDB and DBCP in Water by Microextraction

Lab Sample ID: MB 400-315511/1-A
Matrix: Water
Analysis Batch: 315814

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 315511

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		07/24/16 10:44	07/25/16 21:33	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		07/24/16 10:44	07/25/16 21:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*		*51 - 149*	*07/24/16 10:44*	*07/25/16 21:33*	*1*

Lab Sample ID: LCS 400-315511/2-A
Matrix: Water
Analysis Batch: 315814

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 315511

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,2-Dibromo-3-Chloropropane			0.100	0.0944		ug/L		94	60 - 140		
1,2-Dibromoethane			0.100	0.0984		ug/L		98	60 - 140		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*88*		*51 - 149*

Lab Sample ID: LCSD 400-315511/3-A
Matrix: Water
Analysis Batch: 315814

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 315511

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane			0.100	0.0942		ug/L		94	60 - 140	0	30
1,2-Dibromoethane			0.100	0.109		ug/L		109	60 - 140	10	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 # 1304599 (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
Bob Billman	25278
PO #	**GSAP Project ID**
60477387 - 1.03.003 / 1.03.0033	USPC/00114/R/02

☐ CHECK IF NO INCIDENT # APPLIES
DATE: 13 July 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 - 1.03.003 / 1.03.0033

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

EDF DELIVERABLE TO (Name, Company, Office Location):
PHONE NO.:
E-MAIL:
AECOM Other ID

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

SAMPLER NAME(S) (Print): S. Fisher / 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 DAY ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

REQUESTED ANALYSIS

UNIT COST 60477387 - 1.03.0033
NON-UNIT COST 60477387 - 1.03.003

☐ LLLA - PWOCB REPORT FORMAT

DELIVERABLES: ☑ LLEVEL 2 ☐ LEVE☑ LEVEL 4 ☑ OTHER (SPECIFY) EDD

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

FIELD NOTES:

TEMPERATURE ON RECEIPT C°: 1.5, 2.0, 1.4, IR5

SPECIAL INSTRUCTIONS OR NOTES :
* Please include "J" values on Reports
* Please provide sample receipt upon login

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

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
	TB-ROX-071316R-8011	7/13/16	0000	water	2					2	X				
	TB-ROX-071316R-8260	"	0000	"	2					2			X		
	MW11-ROX-071316	"	0905	"	4			2		6	2	1	2	1	
	MW27-ROX-071316	"	1030	"	4			2		6	2	1	2	1	
	MW10-ROX-071316	"	1140	"	4			2		6	2	1	2	1	
	MW9-ROX-071316	↓	1400	↓	4			2		6	2	1	2	1	

400-124552 COC

Relinquished by: (Signature) — Received by: (Signature) — Date: 13 July 2016 — Time:

Relinquished by: (Signature) — Received by: (Signature) — Date: 7/15/16 — Time: 0830

Relinquished by: (Signature)

Custody Seals: Test America

743275	743278
743276	743279
743277	743280

Ref: S400-55340
Dep:
Date: 03May16
Wgt: 10.00 LBS
DV:
Svcs: PRIORITY OVERNIGHT
TRCK: 6546 8385 1609

SHIPPING:	0.00
SPECIAL:	0.00
HANDLING:	0.00
TOTAL:	0.00

Ref: S400-55340
Date: 03May16
Wgt: 10.00 LBS
DV:
Svcs: PRIORITY OVERNIGHT
TRCK: 6546 8385 1583

SHIPPING:	0.00
SPECIAL:	0.00
HANDLING:	0.00
TOTAL:	0.00

Login Sample Receipt Checklist

Client: AECOM Technical Services Inc.

Job Number: 400-124552-1
SDG Number: 60477387 - 1.03.003/1.03.0033

Login Number: 124552
List Number: 1
Creator: Kovitch, Christina 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	1.5°,2.0°,1.4°-IR5
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 (excluding tests with immediate HTs)	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.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

Certification Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 3Q16

TestAmerica Job ID: 400-124552-1
SDG: 60477387 - 1.03.003/1.03.0033

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	06-30-17
Arizona	State Program	9	AZ0710	01-11-17
Arkansas DEQ	State Program	6	88-0689	09-01-16
California	ELAP	9	2510	03-31-18
Florida	NELAP	4	E81010	06-30-17
Georgia	State Program	4	N/A	06-30-17
Illinois	NELAP	5	200041	10-09-16
Iowa	State Program	7	367	07-31-16 *
Kansas	NELAP	7	E-10253	10-31-16
Kentucky (UST)	State Program	4	53	06-30-17
Kentucky (WW)	State Program	4	98030	12-31-16
Louisiana	NELAP	6	30976	06-30-17
Maryland	State Program	3	233	09-30-17
Massachusetts	State Program	1	M-FL094	06-30-16 *
Michigan	State Program	5	9912	05-06-17
New Jersey	NELAP	2	FL006	06-30-17
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	06-30-17
Texas	NELAP	6	T104704286-15-9	09-30-16
USDA	Federal		P330-16-00172	05-24-19
Virginia	NELAP	3	460166	06-14-17
Washington	State Program	10	C915	05-15-17
West Virginia DEP	State Program	3	136	08-31-16

* Certification renewal pending - certification considered valid.

Roxana Groundwater Quarterly – 3rd Quarter 2016 Data Review

Laboratory SDG: 400-124556-1

Data Reviewer: Melissa Mansker

Peer Reviewer: Elizabeth Kunkel

Date Reviewed: 8/16/2016

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

Sample Identification	Sample Identification
TB-ROX-071416W-8011	TB-ROX-071416W-8260
MW4-ROX-071416	MW8-ROX-071416
MW7-ROX-071416	MW7-ROX-071416-Dup

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 di-n-octyl phthalate was detected in the method blank. Several VOC and SVOC LCS/LCSD recoveries and SVOC LCS/LCSD RPDs were outside evaluation criteria. The SVOC surrogate recovery for terphenyl-d_{14} was outside criteria in several samples. The Method 8260 VOC MS/MSD recoveries for 2-chloroethyl vinyl ether were outside evaluation criteria in sample MW4-ROX-071416. Although not indicated in the laboratory case narrative, 1-methylnaphthalene and 2-methylnaphthalene results were qualified in field duplicate pair MW7-ROX-071416/MW7-ROX-071416-Dup due to field duplicate RPD above evaluation criteria; therefore results were qualified as estimated (**J/J**). VOCs and phenol in several samples were diluted due to high levels of target analytes. These issues are addressed further in the appropriate sections below.

Additionally, the continuing calibration verification for 2-chloroethyl vinyl ether, 1,4-dioxane, aniline, benzyl alcohol, 4-chloro-3-methylphenol, 4-bromophenyl phenyl ether, and hexachlorobenzene exceeded evaluation criteria. 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 three coolers was received by the laboratory at a temperature of 1.5°C, which is outside the 4ºC ± 2ºC criteria. Samples were received in good condition; therefore, no qualification of data was required. Additionally, sample MW7-ROX-071416-Dup was unintentionally omitted from the COC, however the laboratory correctly logged in and analyzed the sample according to sample container designations; 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 400-315114/1-A	SVOCs	Di-n-octyl phthalate	0.809 µg/L

Qualifications due to blank contamination are included in the table below. Analytical data that were reported non-detect or at concentrations greater than five times (5X) the associated blank concentration did not require qualification.

Sample ID	Parameter	Analyte	New Reporting Limit (RL)	Qualification
MW4-ROX-071416	SVOCs	Di-n-octyl phthalate	-	**U**
MW8-ROX-071416	SVOCs	Di-n-octyl phthalate	-	**U**
MW7-ROX-071416	SVOCs	Di-n-octyl phthalate	-	**U**

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 400-315518/1002	VOCs	2-Chloroethyl vinyl ether	**315**	NA	10-160
LCS 400-315584/1002	VOCs	2-Chloroethyl vinyl ether	**310**	NA	10-160
LCS/LCSD 400-315114/2-A/3-A	SVOCs	Benzyl alcohol	**47**/59	21	51-121/30
LCS/LCSD 400-315114/2-A/3-A	SVOCs	4,6-Dinitro-ortho-cresol	**13**/49	**114**	46-136/30

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.

Sample ID	Parameter	Analyte	Qualification
MW4-ROX-071416	SVOCs	Benzyl alcohol	**UJ**
MW4-ROX-071416	SVOCs	4,6-Dinitro-ortho-cresol	**UJ**
MW8-ROX-071416	SVOCs	Benzyl alcohol	**UJ**
MW8-ROX-071416	SVOCs	4,6-Dinitro-ortho-cresol	**UJ**
MW7-ROX-071416	SVOCs	Benzyl alcohol	**UJ**
MW7-ROX-071416	SVOCs	4,6-Dinitro-ortho-cresol	**UJ**
MW7-ROX-071416-Dup	SVOCs	Benzyl alcohol	**UJ**
MW7-ROX-071416-Dup	SVOCs	4,6-Dinitro-ortho-cresol	**UJ**

6.0 Surrogate Recoveries

Were surrogate recoveries within evaluation criteria?

No

Sample ID	Parameter	Surrogate	Recovery (%)	Criteria (%)
MW4-ROX-071416	SVOCs	Terphenyl-d_{14}	**52**	53-125
MW8-ROX-071416	SVOCs	Terphenyl-d_{14}	**29**	53-125
MW7-ROX-071416	SVOCs	Terphenyl-d_{14}	**39**	53-125

Qualifications due to surrogate recoveries were not required due to only one of three base fraction surrogate recoveries 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, although not requested, sample MW4-ROX-071416 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
MW4-ROX-071416	VOCs	2-Chloroethyl vinyl ether	**0/0**	**NC**	10-160/50

LCS/LCSD recoveries were within evaluation criteria, with the exception of those analytes listed in Section 5.0 of this review; 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?

Yes

Field ID	Field Duplicate ID
MW7-ROX-071416	MW7-ROX-071416-Dup

Were field duplicates within evaluation criteria?

No

Field ID	Field Duplicate ID	Parameter	Analyte	RPD	Qualification
MW7-ROX-071416	MW7-ROX-071416-Dup	VOCs	1-Methylnaphthalene	**35**	**J/J**
MW7-ROX-071416	MW7-ROX-071416-Dup	VOCs	2-Methylnaphthalene	**38**	**J/J**

11.0 Sample Dilutions

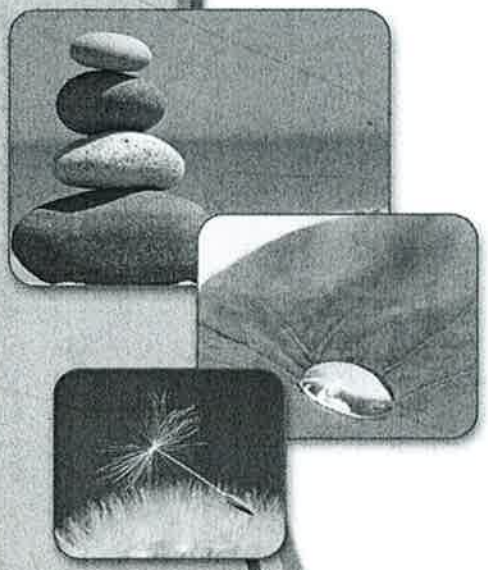
For samples that were diluted and nondetect, were undiluted results also reported?

Not applicable; analytes were detected in samples that were diluted.

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: 400-124556-1
TestAmerica SDG: 60477387 - 1.03.003/1.03.0033
Client Project/Site: ROXANA QUARTERLY GW - 3Q16

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:
7/31/2016 3:41:22 PM

Carolyn Hooper, Project Manager I
(850)471-6226
carolyn.hooper@testamericainc.com

..... LINKS .....

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

Reviewed 8/16/2016 MG

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: 400-124556-1

Laboratory: TestAmerica Pensacola

Narrative

Job Narrative
400-124556-1

Receipt
The samples were received on 7/15/2016 8:36 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 3 coolers at receipt time were 1.5°C, 2.4°C and 3.0°C.

Receipt Exceptions
Method 3520C,8270D/8270DLL: The following sample was submitted for analysis; however, it was not listed on the Chain-of-Custody (COC). The sample was logged in for analysis. MW7-ROX-071416-DUP (400-124556-6)

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-071416W-8260 (400-124556-2), MW4-ROX-071416 (400-124556-3), MW8-ROX-071416 (400-124556-4), MW7-ROX-071416 (400-124556-5) and MW7-ROX-071416-DUP (400-124556-6). The requested target analyte list include 2-chloroethyl vinyl ether, Acrolein and Acrylonitrile, which an acid-labile compounds that degrade in an acidic medium.

The continuing calibration verification (CCV) associated with batch 400-315518 recovered above the upper control limit for 2-Chloroethyl vinyl ether. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The laboratory control sample (LCS) for analytical batch 400-315518 recovered outside control limits for one analyte. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-315518 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 315518 because the recoveries were below the reporting limit due to the acidic nature of the parent sample.

The continuing calibration verification (CCV) associated with batch 400-315584 recovered above the upper control limit for 2-Chloroethyl vinyl ether. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The matrix spike / matrix spike duplicate (MS/MSD) recovered below the reporting limit (RL) for 2-chloroethyl vinyl ether for batch 315584 due to the acidic nature of the parent sample.

The RPD for the MS/MSD for 2-chloroethyl vinyl ether for batch 315584 was not calculable because the recoveries were below the reporting limit. This is due to the acidic nature of the parent sample.

The laboratory control sample (LCS) for batch 315584 recovered outside control limits for one analyte. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

GC/MS Semi VOA
Method 8270D: The continuing calibration verification (CCV) analyzed in batch 400-315708 was outside the method criteria for the following analyte(s): 1,4-Dioxane and Aniline. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analytes is considered estimated.

The continuing calibration verification (CCV) associated with batch 400-315708 recovered above the upper control limit for Benzyl alcohol. 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-071416 (400-124556-3), MW8-ROX-071416 (400-124556-4) and MW7-ROX-071416 (400-124556-5).

Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following samples contained an allowable number of surrogate

Job ID: 400-124556-1 (Continued)

Laboratory: TestAmerica Pensacola (Continued)

compounds outside limits: MW8-ROX-071416 (400-124556-4) and MW7-ROX-071416 (400-124556-5). These results have been reported and qualified.

The method blank for preparation batch 400-315114 and analytical batch 400-315708 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 analytes recovered outside control limits for the LCS/LCSD associated with preparation batch 400-315114 and analytical batch 400-315708: 4,6-Dinitro-ortho-cresol and Benzyl alcohol. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.

The following analyte recovered outside control limits for the LCSD associated with preparation batch 400-315114 and analytical batch 400-315708: 4,6-Dinitro-2-methylphenol. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.

The continuing calibration verification (CCV) associated with batch 400-315904 recovered above the upper control limit for 4-Chloro-3-methylphenol, 4-Bromophenyl phenyl ether and Hexachlorobenzene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following sample is impacted: MW7-ROX-071416-DUP (400-124556-6).

The following samples were diluted to bring the concentration of target analytes within the calibration range: MW8-ROX-071416 (400-124556-4), MW7-ROX-071416 (400-124556-5) and MW7-ROX-071416-DUP (400-124556-6). Elevated reporting limits (RLs) are provided.

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

Sample Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 3Q16

TestAmerica Job ID: 400-124556-1
SDG: 60477387 - 1.03.003/1.03.0033

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-124556-1	TB-ROX-071416W-8011	Water	07/14/16 00:00	07/15/16 08:36
400-124556-2	TB-ROX-071416W-8260	Water	07/14/16 00:00	07/15/16 08:36
400-124556-3	MW4-ROX-071416	Water	07/14/16 10:25	07/15/16 08:36
400-124556-4	MW8-ROX-071416	Water	07/14/16 13:30	07/15/16 08:36
400-124556-5	MW7-ROX-071416	Water	07/14/16 15:35	07/15/16 08:36
400-124556-6	MW7-ROX-071416-DUP	Water	07/14/16 15:35	07/15/16 08:36

Detection Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 3Q16

TestAmerica Job ID: 400-124556-1
SDG: 60477387 - 1.03.003/1.03.0033

Client Sample ID: TB-ROX-071416W-8011 — Lab Sample ID: 400-124556-1

No Detections.

Client Sample ID: TB-ROX-071416W-8260 — Lab Sample ID: 400-124556-2

No Detections.

Client Sample ID: MW4-ROX-071416 — Lab Sample ID: 400-124556-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.80	J	1.0	0.38	ug/L	1		8260B	Total/NA
Isopropylbenzene	0.53	J	1.0	0.53	ug/L	1		8260B	Total/NA
Xylenes, Total	1.6	J	10	1.6	ug/L	1		8260B	Total/NA
1-Methylnaphthalene	0.15	J	0.20	0.020	ug/L	1		8270D LL	Total/NA
2-Methylnaphthalene	0.069	J	0.20	0.020	ug/L	1		8270D LL	Total/NA
Di-n-octyl phthalate	~~0.72~~	J B U	10	0.44	ug/L	1		8270D	Total/NA

Client Sample ID: MW8-ROX-071416 — Lab Sample ID: 400-124556-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	310000		2000	760	ug/L	2000		8260B	Total/NA
Fluorene	0.24		0.20	0.021	ug/L	1		8270D LL	Total/NA
1-Methylnaphthalene	8.2		0.20	0.020	ug/L	1		8270D LL	Total/NA
2-Methylnaphthalene	3.8		0.20	0.020	ug/L	1		8270D LL	Total/NA
Di-n-octyl phthalate	~~0.71~~	J B U	10	0.44	ug/L	1		8270D	Total/NA
Indene	1.4	J	10	1.0	ug/L	1		8270D	Total/NA
Phenol	130		20	5.2	ug/L	2		8270D	Total/NA

Client Sample ID: MW7-ROX-071416 — Lab Sample ID: 400-124556-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	670000		5000	1900	ug/L	5000		8260B	Total/NA
Acenaphthene	0.31		0.20	0.020	ug/L	1		8270D LL	Total/NA
Acenaphthylene	0.058	J	0.20	0.020	ug/L	1		8270D LL	Total/NA
Fluorene	0.26		0.20	0.021	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	5.0		0.20	0.020	ug/L	1		8270D LL	Total/NA
Di-n-octyl phthalate	~~0.75~~	J B U	10	0.44	ug/L	1		8270D	Total/NA
Phenol	160		20	5.2	ug/L	2		8270D	Total/NA

Client Sample ID: MW7-ROX-071416-DUP — Lab Sample ID: 400-124556-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	680000		5000	1900	ug/L	5000		8260B	Total/NA
Acenaphthene	0.23		0.20	0.020	ug/L	1		8270D LL	Total/NA
Fluorene	0.18	J	0.20	0.021	ug/L	1		8270D LL	Total/NA
Phenanthrene	0.31		0.20	0.020	ug/L	1		8270D LL	Total/NA
1-Methylnaphthalene	2.8		0.20	0.020	ug/L	1		8270D LL	Total/NA
2-Methylnaphthalene	3.4		0.20	0.020	ug/L	1		8270D LL	Total/NA
Indene	1.4	J	10	1.0	ug/L	1		8270D	Total/NA
3 & 4 Methylphenol	2.6	J	20	1.0	ug/L	1		8270D	Total/NA
Phenol	190		20	5.2	ug/L	2		8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: TB-ROX-071416W-8011

Date Collected: 07/14/16 00:00
Date Received: 07/15/16 08:36

Lab Sample ID: 400-124556-1

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		07/24/16 10:44	07/26/16 03:31	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		07/24/16 10:44	07/26/16 03:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*83*		*51 - 149*	*07/24/16 10:44*	*07/26/16 03:31*	*1*

Client Sample ID: TB-ROX-071416W-8260
Date Collected: 07/14/16 00:00
Date Received: 07/15/16 08:36

Lab Sample ID: 400-124556-2
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			07/25/16 19:57	1
Acrolein	ND		20	10	ug/L			07/25/16 19:57	1
Acrylonitrile	ND		10	2.8	ug/L			07/25/16 19:57	1
Benzene	ND		1.0	0.38	ug/L			07/25/16 19:57	1
Bromobenzene	ND		1.0	0.54	ug/L			07/25/16 19:57	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/25/16 19:57	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/25/16 19:57	1
Bromoform	ND		5.0	0.71	ug/L			07/25/16 19:57	1
Bromomethane	ND		1.0	0.98	ug/L			07/25/16 19:57	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/25/16 19:57	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/25/16 19:57	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			07/25/16 19:57	1
Chlorobenzene	ND		1.0	0.50	ug/L			07/25/16 19:57	1
Dibromochloromethane	ND		1.0	0.50	ug/L			07/25/16 19:57	1
Chloroethane	ND		1.0	0.76	ug/L			07/25/16 19:57	1
2-Chloroethyl vinyl ether	ND	*	5.0	2.0	ug/L			07/25/16 19:57	1
Chloroform	ND		1.0	0.60	ug/L			07/25/16 19:57	1
1-Chlorohexane	ND		1.0	0.70	ug/L			07/25/16 19:57	1
Chloromethane	ND		1.0	0.83	ug/L			07/25/16 19:57	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/25/16 19:57	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/25/16 19:57	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/25/16 19:57	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/25/16 19:57	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/25/16 19:57	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/25/16 19:57	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/25/16 19:57	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			07/25/16 19:57	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/25/16 19:57	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/25/16 19:57	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/25/16 19:57	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/25/16 19:57	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			07/25/16 19:57	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/25/16 19:57	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/25/16 19:57	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/25/16 19:57	1
2-Hexanone	ND		25	3.1	ug/L			07/25/16 19:57	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/25/16 19:57	1
Methylene bromide	ND		5.0	0.59	ug/L			07/25/16 19:57	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/25/16 19:57	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/25/16 19:57	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			07/25/16 19:57	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			07/25/16 19:57	1
Naphthalene	ND		1.0	1.0	ug/L			07/25/16 19:57	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/25/16 19:57	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/25/16 19:57	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/25/16 19:57	1
o-Xylene	ND		5.0	0.60	ug/L			07/25/16 19:57	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/25/16 19:57	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/25/16 19:57	1

Client Sample ID: TB-ROX-071416W-8260
Date Collected: 07/14/16 00:00
Date Received: 07/15/16 08:36

Lab Sample ID: 400-124556-2
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			07/25/16 19:57	1
Styrene	ND		1.0	1.0	ug/L			07/25/16 19:57	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/25/16 19:57	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			07/25/16 19:57	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/25/16 19:57	1
Tetrachloroethene	ND		1.0	0.58	ug/L			07/25/16 19:57	1
Toluene	ND		1.0	0.70	ug/L			07/25/16 19:57	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/25/16 19:57	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/25/16 19:57	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			07/25/16 19:57	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/25/16 19:57	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			07/25/16 19:57	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			07/25/16 19:57	1
Trichloroethene	ND		1.0	0.50	ug/L			07/25/16 19:57	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			07/25/16 19:57	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/25/16 19:57	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/25/16 19:57	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/25/16 19:57	1
Vinyl acetate	ND		25	2.0	ug/L			07/25/16 19:57	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/25/16 19:57	1
Xylenes, Total	ND		10	1.6	ug/L			07/25/16 19:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*78 - 118*		*07/25/16 19:57*	*1*
Dibromofluoromethane	*102*		*81 - 121*		*07/25/16 19:57*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*07/25/16 19:57*	*1*

Client Sample ID: MW4-ROX-071416
Date Collected: 07/14/16 10:25
Date Received: 07/15/16 08:36

Lab Sample ID: 400-124556-3
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			07/24/16 19:12	1
Acrolein	ND		20	10	ug/L			07/24/16 19:12	1
Acrylonitrile	ND		10	2.8	ug/L			07/24/16 19:12	1
Benzene	**0.80**	**J**	1.0	0.38	ug/L			07/24/16 19:12	1
Bromobenzene	ND		1.0	0.54	ug/L			07/24/16 19:12	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/24/16 19:12	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/24/16 19:12	1
Bromoform	ND		5.0	0.71	ug/L			07/24/16 19:12	1
Bromomethane	ND		1.0	0.98	ug/L			07/24/16 19:12	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/24/16 19:12	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/24/16 19:12	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			07/24/16 19:12	1
Chlorobenzene	ND		1.0	0.50	ug/L			07/24/16 19:12	1
Dibromochloromethane	ND		1.0	0.50	ug/L			07/24/16 19:12	1
Chloroethane	ND		1.0	0.76	ug/L			07/24/16 19:12	1
2-Chloroethyl vinyl ether	ND	F1 *	5.0	2.0	ug/L			07/24/16 19:12	1
Chloroform	ND		1.0	0.60	ug/L			07/24/16 19:12	1
1-Chlorohexane	ND		1.0	0.70	ug/L			07/24/16 19:12	1
Chloromethane	ND		1.0	0.83	ug/L			07/24/16 19:12	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/24/16 19:12	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/24/16 19:12	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/24/16 19:12	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/24/16 19:12	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/24/16 19:12	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/24/16 19:12	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/24/16 19:12	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			07/24/16 19:12	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/24/16 19:12	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/24/16 19:12	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/24/16 19:12	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/24/16 19:12	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			07/24/16 19:12	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/24/16 19:12	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/24/16 19:12	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/24/16 19:12	1
2-Hexanone	ND		25	3.1	ug/L			07/24/16 19:12	1
Isopropylbenzene	**0.53**	**J**	1.0	0.53	ug/L			07/24/16 19:12	1
Methylene bromide	ND		5.0	0.59	ug/L			07/24/16 19:12	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/24/16 19:12	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/24/16 19:12	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			07/24/16 19:12	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			07/24/16 19:12	1
Naphthalene	ND		1.0	1.0	ug/L			07/24/16 19:12	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/24/16 19:12	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/24/16 19:12	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/24/16 19:12	1
o-Xylene	ND		5.0	0.60	ug/L			07/24/16 19:12	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/24/16 19:12	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/24/16 19:12	1

Client Sample ID: MW4-ROX-071416

Date Collected: 07/14/16 10:25
Date Received: 07/15/16 08:36

Lab Sample ID: 400-124556-3

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			07/24/16 19:12	1
Styrene	ND		1.0	1.0	ug/L			07/24/16 19:12	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/24/16 19:12	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			07/24/16 19:12	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/24/16 19:12	1
Tetrachloroethene	ND		1.0	0.58	ug/L			07/24/16 19:12	1
Toluene	ND		1.0	0.70	ug/L			07/24/16 19:12	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/24/16 19:12	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/24/16 19:12	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			07/24/16 19:12	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/24/16 19:12	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			07/24/16 19:12	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			07/24/16 19:12	1
Trichloroethene	ND		1.0	0.50	ug/L			07/24/16 19:12	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			07/24/16 19:12	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/24/16 19:12	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/24/16 19:12	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/24/16 19:12	1
Vinyl acetate	ND		25	2.0	ug/L			07/24/16 19:12	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/24/16 19:12	1
Xylenes, Total	**1.6**	**J**	10	1.6	ug/L			07/24/16 19:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*78 - 118*		*07/24/16 19:12*	*1*
Dibromofluoromethane	*105*		*81 - 121*		*07/24/16 19:12*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*07/24/16 19:12*	*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		07/20/16 16:29	07/23/16 04:02	1
Acenaphthylene	ND		0.20	0.020	ug/L		07/20/16 16:29	07/23/16 04:02	1
Anthracene	ND		0.20	0.020	ug/L		07/20/16 16:29	07/23/16 04:02	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/20/16 16:29	07/23/16 04:02	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		07/20/16 16:29	07/23/16 04:02	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		07/20/16 16:29	07/23/16 04:02	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		07/20/16 16:29	07/23/16 04:02	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/20/16 16:29	07/23/16 04:02	1
Chrysene	ND		0.20	0.040	ug/L		07/20/16 16:29	07/23/16 04:02	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		07/20/16 16:29	07/23/16 04:02	1
Fluoranthene	ND		0.20	0.020	ug/L		07/20/16 16:29	07/23/16 04:02	1
Fluorene	ND		0.20	0.021	ug/L		07/20/16 16:29	07/23/16 04:02	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		07/20/16 16:29	07/23/16 04:02	1
Phenanthrene	ND		0.20	0.020	ug/L		07/20/16 16:29	07/23/16 04:02	1
Pyrene	ND		0.20	0.020	ug/L		07/20/16 16:29	07/23/16 04:02	1
1-Methylnaphthalene	**0.15**	**J**	0.20	0.020	ug/L		07/20/16 16:29	07/23/16 04:02	1
2-Methylnaphthalene	**0.069**	**J**	0.20	0.020	ug/L		07/20/16 16:29	07/23/16 04:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*70*		*33 - 138*	*07/20/16 16:29*	*07/23/16 04:02*	*1*
2-Fluorobiphenyl	*73*		*15 - 122*	*07/20/16 16:29*	*07/23/16 04:02*	*1*

Client Sample ID: MW4-ROX-071416
Date Collected: 07/14/16 10:25
Date Received: 07/15/16 08:36

Lab Sample ID: 400-124556-3
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	07/20/16 16:29	07/23/16 04:02	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		07/20/16 16:29	07/26/16 20:03	1
Benzenethiol	ND		10	1.7	ug/L		07/20/16 16:29	07/26/16 20:03	1
Benzoic acid	ND		30	7.3	ug/L		07/20/16 16:29	07/26/16 20:03	1
Benzyl alcohol	ND	UJ	10	2.0	ug/L		07/20/16 16:29	07/26/16 20:03	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		07/20/16 16:29	07/26/16 20:03	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		07/20/16 16:29	07/26/16 20:03	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		07/20/16 16:29	07/26/16 20:03	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		07/20/16 16:29	07/26/16 20:03	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		07/20/16 16:29	07/26/16 20:03	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		07/20/16 16:29	07/26/16 20:03	1
4-Chloroaniline	ND		10	3.4	ug/L		07/20/16 16:29	07/26/16 20:03	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		07/20/16 16:29	07/26/16 20:03	1
2-Chloronaphthalene	ND		10	0.52	ug/L		07/20/16 16:29	07/26/16 20:03	1
2-Chlorophenol	ND		10	2.2	ug/L		07/20/16 16:29	07/26/16 20:03	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		07/20/16 16:29	07/26/16 20:03	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		07/20/16 16:29	07/26/16 20:03	1
Dibenzofuran	ND		10	0.52	ug/L		07/20/16 16:29	07/26/16 20:03	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		07/20/16 16:29	07/26/16 20:03	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		07/20/16 16:29	07/26/16 20:03	1
Diethyl phthalate	ND		10	0.70	ug/L		07/20/16 16:29	07/26/16 20:03	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		07/20/16 16:29	07/26/16 20:03	1
Dimethyl phthalate	ND		10	0.60	ug/L		07/20/16 16:29	07/26/16 20:03	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		07/20/16 16:29	07/26/16 20:03	1
4,6-Dinitro-ortho-cresol	ND	UJ	10	2.0	ug/L		07/20/16 16:29	07/26/16 20:03	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		07/20/16 16:29	07/26/16 20:03	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		07/20/16 16:29	07/26/16 20:03	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		07/20/16 16:29	07/26/16 20:03	1
Di-n-octyl phthalate	0.72	J B U	10	0.44	ug/L		07/20/16 16:29	07/26/16 20:03	1
1,4-Dioxane	ND		10	1.0	ug/L		07/20/16 16:29	07/26/16 20:03	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		07/20/16 16:29	07/26/16 20:03	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/20/16 16:29	07/26/16 20:03	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		07/20/16 16:29	07/26/16 20:03	1
Hexachloroethane	ND		10	4.2	ug/L		07/20/16 16:29	07/26/16 20:03	1
Indene	ND		10	1.0	ug/L		07/20/16 16:29	07/26/16 20:03	1
Isophorone	ND		10	0.57	ug/L		07/20/16 16:29	07/26/16 20:03	1
2-Methylphenol	ND		10	1.8	ug/L		07/20/16 16:29	07/26/16 20:03	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		07/20/16 16:29	07/26/16 20:03	1
2-Nitroaniline	ND		10	2.2	ug/L		07/20/16 16:29	07/26/16 20:03	1
3-Nitroaniline	ND		10	1.8	ug/L		07/20/16 16:29	07/26/16 20:03	1
4-Nitroaniline	ND		10	2.5	ug/L		07/20/16 16:29	07/26/16 20:03	1
Nitrobenzene	ND		10	0.55	ug/L		07/20/16 16:29	07/26/16 20:03	1
2-Nitrophenol	ND		10	0.65	ug/L		07/20/16 16:29	07/26/16 20:03	1
4-Nitrophenol	ND		10	2.1	ug/L		07/20/16 16:29	07/26/16 20:03	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		07/20/16 16:29	07/26/16 20:03	1

Client Sample ID: MW4-ROX-071416
Date Collected: 07/14/16 10:25
Date Received: 07/15/16 08:36

Lab Sample ID: 400-124556-3
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		07/20/16 16:29	07/26/16 20:03	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		07/20/16 16:29	07/26/16 20:03	1
Pentachlorophenol	ND		20	1.8	ug/L		07/20/16 16:29	07/26/16 20:03	1
Phenol	ND		10	2.6	ug/L		07/20/16 16:29	07/26/16 20:03	1
Pyridine	ND		10	3.2	ug/L		07/20/16 16:29	07/26/16 20:03	1
Quinoline	ND		10	6.0	ug/L		07/20/16 16:29	07/26/16 20:03	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		07/20/16 16:29	07/26/16 20:03	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		07/20/16 16:29	07/26/16 20:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*64*		*34 - 120*	*07/20/16 16:29*	*07/26/16 20:03*	*1*
2-Fluorophenol	*59*		*10 - 120*	*07/20/16 16:29*	*07/26/16 20:03*	*1*
Nitrobenzene-d5	*72*		*27 - 120*	*07/20/16 16:29*	*07/26/16 20:03*	*1*
Phenol-d5	*67*		*10 - 120*	*07/20/16 16:29*	*07/26/16 20:03*	*1*
Terphenyl-d14	*52*	*X*	*53 - 125*	*07/20/16 16:29*	*07/26/16 20:03*	*1*
2,4,6-Tribromophenol	*58*		*15 - 135*	*07/20/16 16:29*	*07/26/16 20:03*	*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		07/24/16 10:44	07/26/16 04:00	1
1,2-Dibromoethane	ND		0.020	0.0049	ug/L		07/24/16 10:44	07/26/16 04:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*89*		*51 - 149*	*07/24/16 10:44*	*07/26/16 04:00*	*1*

Client Sample ID: MW8-ROX-071416

Date Collected: 07/14/16 13:30
Date Received: 07/15/16 08:36

Lab Sample ID: 400-124556-4

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			07/24/16 19:38	2000
Acrolein	ND		40000	20000	ug/L			07/24/16 19:38	2000
Acrylonitrile	ND		20000	5600	ug/L			07/24/16 19:38	2000
Benzene	**310000**		2000	760	ug/L			07/24/16 19:38	2000
Bromobenzene	ND		2000	1100	ug/L			07/24/16 19:38	2000
Bromochloromethane	ND		2000	1000	ug/L			07/24/16 19:38	2000
Bromodichloromethane	ND		2000	1000	ug/L			07/24/16 19:38	2000
Bromoform	ND		10000	1400	ug/L			07/24/16 19:38	2000
Bromomethane	ND		2000	2000	ug/L			07/24/16 19:38	2000
2-Butanone (MEK)	ND		50000	5200	ug/L			07/24/16 19:38	2000
Carbon disulfide	ND		2000	1000	ug/L			07/24/16 19:38	2000
Carbon tetrachloride	ND		2000	1000	ug/L			07/24/16 19:38	2000
Chlorobenzene	ND		2000	1000	ug/L			07/24/16 19:38	2000
Dibromochloromethane	ND		2000	1000	ug/L			07/24/16 19:38	2000
Chloroethane	ND		2000	1500	ug/L			07/24/16 19:38	2000
2-Chloroethyl vinyl ether	ND	*	10000	4000	ug/L			07/24/16 19:38	2000
Chloroform	ND		2000	1200	ug/L			07/24/16 19:38	2000
1-Chlorohexane	ND		2000	1400	ug/L			07/24/16 19:38	2000
Chloromethane	ND		2000	1700	ug/L			07/24/16 19:38	2000
cis-1,2-Dichloroethene	ND		2000	1000	ug/L			07/24/16 19:38	2000
cis-1,3-Dichloropropene	ND		10000	1000	ug/L			07/24/16 19:38	2000
1,2-Dichlorobenzene	ND		2000	1000	ug/L			07/24/16 19:38	2000
1,3-Dichlorobenzene	ND		2000	1100	ug/L			07/24/16 19:38	2000
1,4-Dichlorobenzene	ND		2000	1300	ug/L			07/24/16 19:38	2000
Dichlorodifluoromethane	ND		2000	1700	ug/L			07/24/16 19:38	2000
1,1-Dichloroethane	ND		2000	1000	ug/L			07/24/16 19:38	2000
1,2-Dichloroethane	ND		2000	1000	ug/L			07/24/16 19:38	2000
1,1-Dichloroethene	ND		2000	1000	ug/L			07/24/16 19:38	2000
1,2-Dichloropropane	ND		2000	1000	ug/L			07/24/16 19:38	2000
1,3-Dichloropropane	ND		2000	1000	ug/L			07/24/16 19:38	2000
2,2-Dichloropropane	ND		2000	1000	ug/L			07/24/16 19:38	2000
1,1-Dichloropropene	ND		2000	1000	ug/L			07/24/16 19:38	2000
Ethylbenzene	ND		2000	1000	ug/L			07/24/16 19:38	2000
Ethyl methacrylate	ND		2000	1200	ug/L			07/24/16 19:38	2000
Hexachlorobutadiene	ND		10000	1800	ug/L			07/24/16 19:38	2000
2-Hexanone	ND		50000	6200	ug/L			07/24/16 19:38	2000
Isopropylbenzene	ND		2000	1100	ug/L			07/24/16 19:38	2000
Methylene bromide	ND		10000	1200	ug/L			07/24/16 19:38	2000
Methylene Chloride	ND		10000	6000	ug/L			07/24/16 19:38	2000
4-Methyl-2-pentanone (MIBK)	ND		50000	3600	ug/L			07/24/16 19:38	2000
Methyl tert-butyl ether	ND		2000	1500	ug/L			07/24/16 19:38	2000
m-Xylene & p-Xylene	ND		10000	3200	ug/L			07/24/16 19:38	2000
Naphthalene	ND		2000	2000	ug/L			07/24/16 19:38	2000
n-Butylbenzene	ND		2000	1500	ug/L			07/24/16 19:38	2000
N-Propylbenzene	ND		2000	1400	ug/L			07/24/16 19:38	2000
o-Chlorotoluene	ND		2000	1100	ug/L			07/24/16 19:38	2000
o-Xylene	ND		10000	1200	ug/L			07/24/16 19:38	2000
p-Chlorotoluene	ND		2000	1100	ug/L			07/24/16 19:38	2000
p-Isopropyltoluene	ND		2000	1400	ug/L			07/24/16 19:38	2000

Client Sample ID: MW8-ROX-071416
Date Collected: 07/14/16 13:30
Date Received: 07/15/16 08:36

Lab Sample ID: 400-124556-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		2000	1400	ug/L			07/24/16 19:38	2000
Styrene	ND		2000	2000	ug/L			07/24/16 19:38	2000
tert-Butylbenzene	ND		2000	1300	ug/L			07/24/16 19:38	2000
1,1,1,2-Tetrachloroethane	ND		2000	1000	ug/L			07/24/16 19:38	2000
1,1,2,2-Tetrachloroethane	ND		2000	1000	ug/L			07/24/16 19:38	2000
Tetrachloroethene	ND		2000	1200	ug/L			07/24/16 19:38	2000
Toluene	ND		2000	1400	ug/L			07/24/16 19:38	2000
trans-1,2-Dichloroethene	ND		2000	1000	ug/L			07/24/16 19:38	2000
trans-1,3-Dichloropropene	ND		10000	1000	ug/L			07/24/16 19:38	2000
1,2,3-Trichlorobenzene	ND		2000	1400	ug/L			07/24/16 19:38	2000
1,2,4-Trichlorobenzene	ND		2000	1600	ug/L			07/24/16 19:38	2000
1,1,1-Trichloroethane	ND		2000	1000	ug/L			07/24/16 19:38	2000
1,1,2-Trichloroethane	ND		10000	1000	ug/L			07/24/16 19:38	2000
Trichloroethene	ND		2000	1000	ug/L			07/24/16 19:38	2000
Trichlorofluoromethane	ND		2000	1000	ug/L			07/24/16 19:38	2000
1,2,3-Trichloropropane	ND		10000	1700	ug/L			07/24/16 19:38	2000
1,2,4-Trimethylbenzene	ND		2000	1600	ug/L			07/24/16 19:38	2000
1,3,5-Trimethylbenzene	ND		2000	1100	ug/L			07/24/16 19:38	2000
Vinyl acetate	ND		50000	4000	ug/L			07/24/16 19:38	2000
Vinyl chloride	ND		2000	1000	ug/L			07/24/16 19:38	2000
Xylenes, Total	ND		20000	3200	ug/L			07/24/16 19:38	2000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*78 - 118*		*07/24/16 19:38*	*2000*
Dibromofluoromethane	*109*		*81 - 121*		*07/24/16 19:38*	*2000*
Toluene-d8 (Surr)	*93*		*80 - 120*		*07/24/16 19:38*	*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		07/20/16 16:29	07/23/16 04:27	1
Acenaphthylene	ND		0.20	0.020	ug/L		07/20/16 16:29	07/23/16 04:27	1
Anthracene	ND		0.20	0.020	ug/L		07/20/16 16:29	07/23/16 04:27	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/20/16 16:29	07/23/16 04:27	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		07/20/16 16:29	07/23/16 04:27	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		07/20/16 16:29	07/23/16 04:27	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		07/20/16 16:29	07/23/16 04:27	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/20/16 16:29	07/23/16 04:27	1
Chrysene	ND		0.20	0.040	ug/L		07/20/16 16:29	07/23/16 04:27	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		07/20/16 16:29	07/23/16 04:27	1
Fluoranthene	ND		0.20	0.020	ug/L		07/20/16 16:29	07/23/16 04:27	1
Fluorene	**0.24**		0.20	0.021	ug/L		07/20/16 16:29	07/23/16 04:27	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		07/20/16 16:29	07/23/16 04:27	1
Phenanthrene	ND		0.20	0.020	ug/L		07/20/16 16:29	07/23/16 04:27	1
Pyrene	ND		0.20	0.020	ug/L		07/20/16 16:29	07/23/16 04:27	1
1-Methylnaphthalene	**8.2**		0.20	0.020	ug/L		07/20/16 16:29	07/23/16 04:27	1
2-Methylnaphthalene	**3.8**		0.20	0.020	ug/L		07/20/16 16:29	07/23/16 04:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*33*		*33 - 138*	*07/20/16 16:29*	*07/23/16 04:27*	*1*
2-Fluorobiphenyl	*55*		*15 - 122*	*07/20/16 16:29*	*07/23/16 04:27*	*1*

Client Sample ID: MW8-ROX-071416
Date Collected: 07/14/16 13:30
Date Received: 07/15/16 08:36

Lab Sample ID: 400-124556-4
Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	35		19 - 130	07/20/16 16:29	07/23/16 04:27	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		07/20/16 16:29	07/26/16 20:34	1
Benzenethiol	ND		10	1.7	ug/L		07/20/16 16:29	07/26/16 20:34	1
Benzoic acid	ND		30	7.3	ug/L		07/20/16 16:29	07/26/16 20:34	1
Benzyl alcohol	ND	UJ	10	2.0	ug/L		07/20/16 16:29	07/26/16 20:34	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		07/20/16 16:29	07/26/16 20:34	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		07/20/16 16:29	07/26/16 20:34	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		07/20/16 16:29	07/26/16 20:34	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		07/20/16 16:29	07/26/16 20:34	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		07/20/16 16:29	07/26/16 20:34	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		07/20/16 16:29	07/26/16 20:34	1
4-Chloroaniline	ND		10	3.4	ug/L		07/20/16 16:29	07/26/16 20:34	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		07/20/16 16:29	07/26/16 20:34	1
2-Chloronaphthalene	ND		10	0.52	ug/L		07/20/16 16:29	07/26/16 20:34	1
2-Chlorophenol	ND		10	2.2	ug/L		07/20/16 16:29	07/26/16 20:34	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		07/20/16 16:29	07/26/16 20:34	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		07/20/16 16:29	07/26/16 20:34	1
Dibenzofuran	ND		10	0.52	ug/L		07/20/16 16:29	07/26/16 20:34	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		07/20/16 16:29	07/26/16 20:34	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		07/20/16 16:29	07/26/16 20:34	1
Diethyl phthalate	ND		10	0.70	ug/L		07/20/16 16:29	07/26/16 20:34	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		07/20/16 16:29	07/26/16 20:34	1
Dimethyl phthalate	ND		10	0.60	ug/L		07/20/16 16:29	07/26/16 20:34	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		07/20/16 16:29	07/26/16 20:34	1
4,6-Dinitro-ortho-cresol	ND	UJ	10	2.0	ug/L		07/20/16 16:29	07/26/16 20:34	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		07/20/16 16:29	07/26/16 20:34	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		07/20/16 16:29	07/26/16 20:34	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		07/20/16 16:29	07/26/16 20:34	1
Di-n-octyl phthalate	0.71	J B	10	0.44	ug/L		07/20/16 16:29	07/26/16 20:34	1
1,4-Dioxane	ND		10	1.0	ug/L		07/20/16 16:29	07/26/16 20:34	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		07/20/16 16:29	07/26/16 20:34	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/20/16 16:29	07/26/16 20:34	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		07/20/16 16:29	07/26/16 20:34	1
Hexachloroethane	ND		10	4.2	ug/L		07/20/16 16:29	07/26/16 20:34	1
Indene	1.4	J	10	1.0	ug/L		07/20/16 16:29	07/26/16 20:34	1
Isophorone	ND		10	0.57	ug/L		07/20/16 16:29	07/26/16 20:34	1
2-Methylphenol	ND		10	1.8	ug/L		07/20/16 16:29	07/26/16 20:34	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		07/20/16 16:29	07/26/16 20:34	1
2-Nitroaniline	ND		10	2.2	ug/L		07/20/16 16:29	07/26/16 20:34	1
3-Nitroaniline	ND		10	1.8	ug/L		07/20/16 16:29	07/26/16 20:34	1
4-Nitroaniline	ND		10	2.5	ug/L		07/20/16 16:29	07/26/16 20:34	1
Nitrobenzene	ND		10	0.55	ug/L		07/20/16 16:29	07/26/16 20:34	1
2-Nitrophenol	ND		10	0.65	ug/L		07/20/16 16:29	07/26/16 20:34	1
4-Nitrophenol	ND		10	2.1	ug/L		07/20/16 16:29	07/26/16 20:34	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		07/20/16 16:29	07/26/16 20:34	1

Client Sample ID: MW8-ROX-071416
Date Collected: 07/14/16 13:30
Date Received: 07/15/16 08:36

Lab Sample ID: 400-124556-4
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		07/20/16 16:29	07/26/16 20:34	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		07/20/16 16:29	07/26/16 20:34	1
Pentachlorophenol	ND		20	1.8	ug/L		07/20/16 16:29	07/26/16 20:34	1
Phenol	**130**		20	5.2	ug/L		07/20/16 16:29	07/28/16 15:30	2
Pyridine	ND		10	3.2	ug/L		07/20/16 16:29	07/26/16 20:34	1
Quinoline	ND		10	6.0	ug/L		07/20/16 16:29	07/26/16 20:34	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		07/20/16 16:29	07/26/16 20:34	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		07/20/16 16:29	07/26/16 20:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*49*		*34 - 120*	*07/20/16 16:29*	*07/26/16 20:34*	*1*
2-Fluorophenol	*38*		*10 - 120*	*07/20/16 16:29*	*07/26/16 20:34*	*1*
Nitrobenzene-d5	*39*		*27 - 120*	*07/20/16 16:29*	*07/26/16 20:34*	*1*
Phenol-d5	*57*		*10 - 120*	*07/20/16 16:29*	*07/26/16 20:34*	*1*
Terphenyl-d14	*29*	*X*	*53 - 125*	*07/20/16 16:29*	*07/26/16 20:34*	*1*
2,4,6-Tribromophenol	*66*		*15 - 135*	*07/20/16 16:29*	*07/26/16 20:34*	*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		07/24/16 10:44	07/26/16 04:30	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		07/24/16 10:44	07/26/16 04:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*73*		*51 - 149*	*07/24/16 10:44*	*07/26/16 04:30*	*1*

Client Sample ID: MW7-ROX-071416

Date Collected: 07/14/16 15:35
Date Received: 07/15/16 08:36

Lab Sample ID: 400-124556-5

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			07/24/16 20:04	5000
Acrolein	ND		100000	50000	ug/L			07/24/16 20:04	5000
Acrylonitrile	ND		50000	14000	ug/L			07/24/16 20:04	5000
Benzene	**670000**		5000	1900	ug/L			07/24/16 20:04	5000
Bromobenzene	ND		5000	2700	ug/L			07/24/16 20:04	5000
Bromochloromethane	ND		5000	2600	ug/L			07/24/16 20:04	5000
Bromodichloromethane	ND		5000	2500	ug/L			07/24/16 20:04	5000
Bromoform	ND		25000	3600	ug/L			07/24/16 20:04	5000
Bromomethane	ND		5000	4900	ug/L			07/24/16 20:04	5000
2-Butanone (MEK)	ND		130000	13000	ug/L			07/24/16 20:04	5000
Carbon disulfide	ND		5000	2500	ug/L			07/24/16 20:04	5000
Carbon tetrachloride	ND		5000	2500	ug/L			07/24/16 20:04	5000
Chlorobenzene	ND		5000	2500	ug/L			07/24/16 20:04	5000
Dibromochloromethane	ND		5000	2500	ug/L			07/24/16 20:04	5000
Chloroethane	ND		5000	3800	ug/L			07/24/16 20:04	5000
2-Chloroethyl vinyl ether	ND	*	25000	10000	ug/L			07/24/16 20:04	5000
Chloroform	ND		5000	3000	ug/L			07/24/16 20:04	5000
1-Chlorohexane	ND		5000	3500	ug/L			07/24/16 20:04	5000
Chloromethane	ND		5000	4200	ug/L			07/24/16 20:04	5000
cis-1,2-Dichloroethene	ND		5000	2500	ug/L			07/24/16 20:04	5000
cis-1,3-Dichloropropene	ND		25000	2500	ug/L			07/24/16 20:04	5000
1,2-Dichlorobenzene	ND		5000	2500	ug/L			07/24/16 20:04	5000
1,3-Dichlorobenzene	ND		5000	2700	ug/L			07/24/16 20:04	5000
1,4-Dichlorobenzene	ND		5000	3200	ug/L			07/24/16 20:04	5000
Dichlorodifluoromethane	ND		5000	4300	ug/L			07/24/16 20:04	5000
1,1-Dichloroethane	ND		5000	2500	ug/L			07/24/16 20:04	5000
1,2-Dichloroethane	ND		5000	2500	ug/L			07/24/16 20:04	5000
1,1-Dichloroethene	ND		5000	2500	ug/L			07/24/16 20:04	5000
1,2-Dichloropropane	ND		5000	2500	ug/L			07/24/16 20:04	5000
1,3-Dichloropropane	ND		5000	2500	ug/L			07/24/16 20:04	5000
2,2-Dichloropropane	ND		5000	2500	ug/L			07/24/16 20:04	5000
1,1-Dichloropropene	ND		5000	2500	ug/L			07/24/16 20:04	5000
Ethylbenzene	ND		5000	2500	ug/L			07/24/16 20:04	5000
Ethyl methacrylate	ND		5000	3000	ug/L			07/24/16 20:04	5000
Hexachlorobutadiene	ND		25000	4500	ug/L			07/24/16 20:04	5000
2-Hexanone	ND		130000	16000	ug/L			07/24/16 20:04	5000
Isopropylbenzene	ND		5000	2700	ug/L			07/24/16 20:04	5000
Methylene bromide	ND		25000	3000	ug/L			07/24/16 20:04	5000
Methylene Chloride	ND		25000	15000	ug/L			07/24/16 20:04	5000
4-Methyl-2-pentanone (MIBK)	ND		130000	9000	ug/L			07/24/16 20:04	5000
Methyl tert-butyl ether	ND		5000	3700	ug/L			07/24/16 20:04	5000
m-Xylene & p-Xylene	ND		25000	8000	ug/L			07/24/16 20:04	5000
Naphthalene	ND		5000	5000	ug/L			07/24/16 20:04	5000
n-Butylbenzene	ND		5000	3800	ug/L			07/24/16 20:04	5000
N-Propylbenzene	ND		5000	3500	ug/L			07/24/16 20:04	5000
o-Chlorotoluene	ND		5000	2900	ug/L			07/24/16 20:04	5000
o-Xylene	ND		25000	3000	ug/L			07/24/16 20:04	5000
p-Chlorotoluene	ND		5000	2800	ug/L			07/24/16 20:04	5000
p-Isopropyltoluene	ND		5000	3600	ug/L			07/24/16 20:04	5000

Client Sample ID: MW7-ROX-071416

Date Collected: 07/14/16 15:35
Date Received: 07/15/16 08:36

Lab Sample ID: 400-124556-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		5000	3500	ug/L			07/24/16 20:04	5000
Styrene	ND		5000	5000	ug/L			07/24/16 20:04	5000
tert-Butylbenzene	ND		5000	3200	ug/L			07/24/16 20:04	5000
1,1,1,2-Tetrachloroethane	ND		5000	2600	ug/L			07/24/16 20:04	5000
1,1,2,2-Tetrachloroethane	ND		5000	2500	ug/L			07/24/16 20:04	5000
Tetrachloroethene	ND		5000	2900	ug/L			07/24/16 20:04	5000
Toluene	ND		5000	3500	ug/L			07/24/16 20:04	5000
trans-1,2-Dichloroethene	ND		5000	2500	ug/L			07/24/16 20:04	5000
trans-1,3-Dichloropropene	ND		25000	2500	ug/L			07/24/16 20:04	5000
1,2,3-Trichlorobenzene	ND		5000	3500	ug/L			07/24/16 20:04	5000
1,2,4-Trichlorobenzene	ND		5000	4100	ug/L			07/24/16 20:04	5000
1,1,1-Trichloroethane	ND		5000	2500	ug/L			07/24/16 20:04	5000
1,1,2-Trichloroethane	ND		25000	2500	ug/L			07/24/16 20:04	5000
Trichloroethene	ND		5000	2500	ug/L			07/24/16 20:04	5000
Trichlorofluoromethane	ND		5000	2600	ug/L			07/24/16 20:04	5000
1,2,3-Trichloropropane	ND		25000	4200	ug/L			07/24/16 20:04	5000
1,2,4-Trimethylbenzene	ND		5000	4100	ug/L			07/24/16 20:04	5000
1,3,5-Trimethylbenzene	ND		5000	2800	ug/L			07/24/16 20:04	5000
Vinyl acetate	ND		130000	10000	ug/L			07/24/16 20:04	5000
Vinyl chloride	ND		5000	2500	ug/L			07/24/16 20:04	5000
Xylenes, Total	ND		50000	8000	ug/L			07/24/16 20:04	5000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*78 - 118*		*07/24/16 20:04*	*5000*
Dibromofluoromethane	*107*		*81 - 121*		*07/24/16 20:04*	*5000*
Toluene-d8 (Surr)	*92*		*80 - 120*		*07/24/16 20:04*	*5000*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.31**		0.20	0.020	ug/L		07/20/16 16:29	07/23/16 04:53	1
Acenaphthylene	**0.058**	J	0.20	0.020	ug/L		07/20/16 16:29	07/23/16 04:53	1
Anthracene	ND		0.20	0.020	ug/L		07/20/16 16:29	07/23/16 04:53	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/20/16 16:29	07/23/16 04:53	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		07/20/16 16:29	07/23/16 04:53	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		07/20/16 16:29	07/23/16 04:53	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		07/20/16 16:29	07/23/16 04:53	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/20/16 16:29	07/23/16 04:53	1
Chrysene	ND		0.20	0.040	ug/L		07/20/16 16:29	07/23/16 04:53	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		07/20/16 16:29	07/23/16 04:53	1
Fluoranthene	ND		0.20	0.020	ug/L		07/20/16 16:29	07/23/16 04:53	1
Fluorene	**0.26**		0.20	0.021	ug/L		07/20/16 16:29	07/23/16 04:53	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		07/20/16 16:29	07/23/16 04:53	1
Phenanthrene	**0.41**		0.20	0.020	ug/L		07/20/16 16:29	07/23/16 04:53	1
Pyrene	ND		0.20	0.020	ug/L		07/20/16 16:29	07/23/16 04:53	1
1-Methylnaphthalene	**4.0**	J	0.20	0.020	ug/L		07/20/16 16:29	07/23/16 04:53	1
2-Methylnaphthalene	**5.0**		0.20	0.020	ug/L		07/20/16 16:29	07/23/16 04:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*44*		*33 - 138*	*07/20/16 16:29*	*07/23/16 04:53*	*1*
2-Fluorobiphenyl	*67*		*15 - 122*	*07/20/16 16:29*	*07/23/16 04:53*	*1*

Client Sample ID: MW7-ROX-071416
Date Collected: 07/14/16 15:35
Date Received: 07/15/16 08:36

Lab Sample ID: 400-124556-5
Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	53		19 - 130	07/20/16 16:29	07/23/16 04:53	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		07/20/16 16:29	07/26/16 21:04	1
Benzenethiol	ND		10	1.7	ug/L		07/20/16 16:29	07/26/16 21:04	1
Benzoic acid	ND		30	7.3	ug/L		07/20/16 16:29	07/26/16 21:04	1
Benzyl alcohol	ND	UJ	10	2.0	ug/L		07/20/16 16:29	07/26/16 21:04	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		07/20/16 16:29	07/26/16 21:04	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		07/20/16 16:29	07/26/16 21:04	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		07/20/16 16:29	07/26/16 21:04	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		07/20/16 16:29	07/26/16 21:04	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		07/20/16 16:29	07/26/16 21:04	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		07/20/16 16:29	07/26/16 21:04	1
4-Chloroaniline	ND		10	3.4	ug/L		07/20/16 16:29	07/26/16 21:04	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		07/20/16 16:29	07/26/16 21:04	1
2-Chloronaphthalene	ND		10	0.52	ug/L		07/20/16 16:29	07/26/16 21:04	1
2-Chlorophenol	ND		10	2.2	ug/L		07/20/16 16:29	07/26/16 21:04	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		07/20/16 16:29	07/26/16 21:04	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		07/20/16 16:29	07/26/16 21:04	1
Dibenzofuran	ND		10	0.52	ug/L		07/20/16 16:29	07/26/16 21:04	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		07/20/16 16:29	07/26/16 21:04	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		07/20/16 16:29	07/26/16 21:04	1
Diethyl phthalate	ND		10	0.70	ug/L		07/20/16 16:29	07/26/16 21:04	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		07/20/16 16:29	07/26/16 21:04	1
Dimethyl phthalate	ND		10	0.60	ug/L		07/20/16 16:29	07/26/16 21:04	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		07/20/16 16:29	07/26/16 21:04	1
4,6-Dinitro-ortho-cresol	ND	UJ	10	2.0	ug/L		07/20/16 16:29	07/26/16 21:04	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		07/20/16 16:29	07/26/16 21:04	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		07/20/16 16:29	07/26/16 21:04	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		07/20/16 16:29	07/26/16 21:04	1
Di-n-octyl phthalate	~~0.75~~	J B U	10	0.44	ug/L		07/20/16 16:29	07/26/16 21:04	1
1,4-Dioxane	ND		10	1.0	ug/L		07/20/16 16:29	07/26/16 21:04	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		07/20/16 16:29	07/26/16 21:04	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/20/16 16:29	07/26/16 21:04	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		07/20/16 16:29	07/26/16 21:04	1
Hexachloroethane	ND		10	4.2	ug/L		07/20/16 16:29	07/26/16 21:04	1
Indene	ND		10	1.0	ug/L		07/20/16 16:29	07/26/16 21:04	1
Isophorone	ND		10	0.57	ug/L		07/20/16 16:29	07/26/16 21:04	1
2-Methylphenol	ND		10	1.8	ug/L		07/20/16 16:29	07/26/16 21:04	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		07/20/16 16:29	07/26/16 21:04	1
2-Nitroaniline	ND		10	2.2	ug/L		07/20/16 16:29	07/26/16 21:04	1
3-Nitroaniline	ND		10	1.8	ug/L		07/20/16 16:29	07/26/16 21:04	1
4-Nitroaniline	ND		10	2.5	ug/L		07/20/16 16:29	07/26/16 21:04	1
Nitrobenzene	ND		10	0.55	ug/L		07/20/16 16:29	07/26/16 21:04	1
2-Nitrophenol	ND		10	0.65	ug/L		07/20/16 16:29	07/26/16 21:04	1
4-Nitrophenol	ND		10	2.1	ug/L		07/20/16 16:29	07/26/16 21:04	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		07/20/16 16:29	07/26/16 21:04	1

Client Sample ID: MW7-ROX-071416
Date Collected: 07/14/16 15:35
Date Received: 07/15/16 08:36

Lab Sample ID: 400-124556-5
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		07/20/16 16:29	07/26/16 21:04	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		07/20/16 16:29	07/26/16 21:04	1
Pentachlorophenol	ND		20	1.8	ug/L		07/20/16 16:29	07/26/16 21:04	1
Phenol	**160**		20	5.2	ug/L		07/20/16 16:29	07/28/16 16:00	2
Pyridine	ND		10	3.2	ug/L		07/20/16 16:29	07/26/16 21:04	1
Quinoline	ND		10	6.0	ug/L		07/20/16 16:29	07/26/16 21:04	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		07/20/16 16:29	07/26/16 21:04	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		07/20/16 16:29	07/26/16 21:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*61*		*34 - 120*	*07/20/16 16:29*	*07/26/16 21:04*	*1*
2-Fluorophenol	*46*		*10 - 120*	*07/20/16 16:29*	*07/26/16 21:04*	*1*
Nitrobenzene-d5	*54*		*27 - 120*	*07/20/16 16:29*	*07/26/16 21:04*	*1*
Phenol-d5	*71*		*10 - 120*	*07/20/16 16:29*	*07/26/16 21:04*	*1*
Terphenyl-d14	*39*	*X*	*53 - 125*	*07/20/16 16:29*	*07/26/16 21:04*	*1*
2,4,6-Tribromophenol	*77*		*15 - 135*	*07/20/16 16:29*	*07/26/16 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		0.029	0.0054	ug/L		07/24/16 10:44	07/26/16 05:00	1
1,2-Dibromoethane	ND		0.020	0.0049	ug/L		07/24/16 10:44	07/26/16 05:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*113*		*51 - 149*	*07/24/16 10:44*	*07/26/16 05:00*	*1*

Client Sample ID: MW7-ROX-071416-DUP

Date Collected: 07/14/16 15:35
Date Received: 07/15/16 08:36

Lab Sample ID: 400-124556-6

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			07/24/16 20:30	5000
Acrolein	ND		100000	50000	ug/L			07/24/16 20:30	5000
Acrylonitrile	ND		50000	14000	ug/L			07/24/16 20:30	5000
Benzene	**680000**		5000	1900	ug/L			07/24/16 20:30	5000
Bromobenzene	ND		5000	2700	ug/L			07/24/16 20:30	5000
Bromochloromethane	ND		5000	2600	ug/L			07/24/16 20:30	5000
Bromodichloromethane	ND		5000	2500	ug/L			07/24/16 20:30	5000
Bromoform	ND		25000	3600	ug/L			07/24/16 20:30	5000
Bromomethane	ND		5000	4900	ug/L			07/24/16 20:30	5000
2-Butanone (MEK)	ND		130000	13000	ug/L			07/24/16 20:30	5000
Carbon disulfide	ND		5000	2500	ug/L			07/24/16 20:30	5000
Carbon tetrachloride	ND		5000	2500	ug/L			07/24/16 20:30	5000
Chlorobenzene	ND		5000	2500	ug/L			07/24/16 20:30	5000
Dibromochloromethane	ND		5000	2500	ug/L			07/24/16 20:30	5000
Chloroethane	ND		5000	3800	ug/L			07/24/16 20:30	5000
2-Chloroethyl vinyl ether	ND	*	25000	10000	ug/L			07/24/16 20:30	5000
Chloroform	ND		5000	3000	ug/L			07/24/16 20:30	5000
1-Chlorohexane	ND		5000	3500	ug/L			07/24/16 20:30	5000
Chloromethane	ND		5000	4200	ug/L			07/24/16 20:30	5000
cis-1,2-Dichloroethene	ND		5000	2500	ug/L			07/24/16 20:30	5000
cis-1,3-Dichloropropene	ND		25000	2500	ug/L			07/24/16 20:30	5000
1,2-Dichlorobenzene	ND		5000	2500	ug/L			07/24/16 20:30	5000
1,3-Dichlorobenzene	ND		5000	2700	ug/L			07/24/16 20:30	5000
1,4-Dichlorobenzene	ND		5000	3200	ug/L			07/24/16 20:30	5000
Dichlorodifluoromethane	ND		5000	4300	ug/L			07/24/16 20:30	5000
1,1-Dichloroethane	ND		5000	2500	ug/L			07/24/16 20:30	5000
1,2-Dichloroethane	ND		5000	2500	ug/L			07/24/16 20:30	5000
1,1-Dichloroethene	ND		5000	2500	ug/L			07/24/16 20:30	5000
1,2-Dichloropropane	ND		5000	2500	ug/L			07/24/16 20:30	5000
1,3-Dichloropropane	ND		5000	2500	ug/L			07/24/16 20:30	5000
2,2-Dichloropropane	ND		5000	2500	ug/L			07/24/16 20:30	5000
1,1-Dichloropropene	ND		5000	2500	ug/L			07/24/16 20:30	5000
Ethylbenzene	ND		5000	2500	ug/L			07/24/16 20:30	5000
Ethyl methacrylate	ND		5000	3000	ug/L			07/24/16 20:30	5000
Hexachlorobutadiene	ND		25000	4500	ug/L			07/24/16 20:30	5000
2-Hexanone	ND		130000	16000	ug/L			07/24/16 20:30	5000
Isopropylbenzene	ND		5000	2700	ug/L			07/24/16 20:30	5000
Methylene bromide	ND		25000	3000	ug/L			07/24/16 20:30	5000
Methylene Chloride	ND		25000	15000	ug/L			07/24/16 20:30	5000
4-Methyl-2-pentanone (MIBK)	ND		130000	9000	ug/L			07/24/16 20:30	5000
Methyl tert-butyl ether	ND		5000	3700	ug/L			07/24/16 20:30	5000
m-Xylene & p-Xylene	ND		25000	8000	ug/L			07/24/16 20:30	5000
Naphthalene	ND		5000	5000	ug/L			07/24/16 20:30	5000
n-Butylbenzene	ND		5000	3800	ug/L			07/24/16 20:30	5000
N-Propylbenzene	ND		5000	3500	ug/L			07/24/16 20:30	5000
o-Chlorotoluene	ND		5000	2900	ug/L			07/24/16 20:30	5000
o-Xylene	ND		25000	3000	ug/L			07/24/16 20:30	5000
p-Chlorotoluene	ND		5000	2800	ug/L			07/24/16 20:30	5000
p-Isopropyltoluene	ND		5000	3600	ug/L			07/24/16 20:30	5000

Client Sample ID: MW7-ROX-071416-DUP

Date Collected: 07/14/16 15:35
Date Received: 07/15/16 08:36

Lab Sample ID: 400-124556-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		5000	3500	ug/L			07/24/16 20:30	5000
Styrene	ND		5000	5000	ug/L			07/24/16 20:30	5000
tert-Butylbenzene	ND		5000	3200	ug/L			07/24/16 20:30	5000
1,1,1,2-Tetrachloroethane	ND		5000	2600	ug/L			07/24/16 20:30	5000
1,1,2,2-Tetrachloroethane	ND		5000	2500	ug/L			07/24/16 20:30	5000
Tetrachloroethene	ND		5000	2900	ug/L			07/24/16 20:30	5000
Toluene	ND		5000	3500	ug/L			07/24/16 20:30	5000
trans-1,2-Dichloroethene	ND		5000	2500	ug/L			07/24/16 20:30	5000
trans-1,3-Dichloropropene	ND		25000	2500	ug/L			07/24/16 20:30	5000
1,2,3-Trichlorobenzene	ND		5000	3500	ug/L			07/24/16 20:30	5000
1,2,4-Trichlorobenzene	ND		5000	4100	ug/L			07/24/16 20:30	5000
1,1,1-Trichloroethane	ND		5000	2500	ug/L			07/24/16 20:30	5000
1,1,2-Trichloroethane	ND		25000	2500	ug/L			07/24/16 20:30	5000
Trichloroethene	ND		5000	2500	ug/L			07/24/16 20:30	5000
Trichlorofluoromethane	ND		5000	2600	ug/L			07/24/16 20:30	5000
1,2,3-Trichloropropane	ND		25000	4200	ug/L			07/24/16 20:30	5000
1,2,4-Trimethylbenzene	ND		5000	4100	ug/L			07/24/16 20:30	5000
1,3,5-Trimethylbenzene	ND		5000	2800	ug/L			07/24/16 20:30	5000
Vinyl acetate	ND		130000	10000	ug/L			07/24/16 20:30	5000
Vinyl chloride	ND		5000	2500	ug/L			07/24/16 20:30	5000
Xylenes, Total	ND		50000	8000	ug/L			07/24/16 20:30	5000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*78 - 118*		*07/24/16 20:30*	*5000*
Dibromofluoromethane	*109*		*81 - 121*		*07/24/16 20:30*	*5000*
Toluene-d8 (Surr)	*94*		*80 - 120*		*07/24/16 20:30*	*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		07/20/16 16:29	07/25/16 10:55	1
Acenaphthylene	ND		0.20	0.020	ug/L		07/20/16 16:29	07/25/16 10:55	1
Anthracene	ND		0.20	0.020	ug/L		07/20/16 16:29	07/25/16 10:55	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/20/16 16:29	07/25/16 10:55	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		07/20/16 16:29	07/25/16 10:55	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		07/20/16 16:29	07/25/16 10:55	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		07/20/16 16:29	07/25/16 10:55	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/20/16 16:29	07/25/16 10:55	1
Chrysene	ND		0.20	0.040	ug/L		07/20/16 16:29	07/25/16 10:55	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		07/20/16 16:29	07/25/16 10:55	1
Fluoranthene	ND		0.20	0.020	ug/L		07/20/16 16:29	07/25/16 10:55	1
Fluorene	**0.18**	J	0.20	0.021	ug/L		07/20/16 16:29	07/25/16 10:55	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		07/20/16 16:29	07/25/16 10:55	1
Phenanthrene	**0.31**		0.20	0.020	ug/L		07/20/16 16:29	07/25/16 10:55	1
Pyrene	ND		0.20	0.020	ug/L		07/20/16 16:29	07/25/16 10:55	1
1-Methylnaphthalene	**2.8**	J	0.20	0.020	ug/L		07/20/16 16:29	07/25/16 10:55	1
2-Methylnaphthalene	**3.4**		0.20	0.020	ug/L		07/20/16 16:29	07/25/16 10:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*45*		*33 - 138*	*07/20/16 16:29*	*07/25/16 10:55*	*1*
2-Fluorobiphenyl	*50*		*15 - 122*	*07/20/16 16:29*	*07/25/16 10:55*	*1*

Client Sample ID: MW7-ROX-071416-DUP

Date Collected: 07/14/16 15:35
Date Received: 07/15/16 08:36

Lab Sample ID: 400-124556-6

Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	34		19 - 130	07/20/16 16:29	07/25/16 10:55	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		07/20/16 16:29	07/27/16 11:32	1
Benzenethiol	ND		10	1.7	ug/L		07/20/16 16:29	07/27/16 11:32	1
Benzoic acid	ND		30	7.3	ug/L		07/20/16 16:29	07/27/16 11:32	1
Benzyl alcohol	ND	UJ	10	2.0	ug/L		07/20/16 16:29	07/27/16 11:32	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		07/20/16 16:29	07/27/16 11:32	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		07/20/16 16:29	07/27/16 11:32	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		07/20/16 16:29	07/27/16 11:32	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		07/20/16 16:29	07/27/16 11:32	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		07/20/16 16:29	07/27/16 11:32	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		07/20/16 16:29	07/27/16 11:32	1
4-Chloroaniline	ND		10	3.4	ug/L		07/20/16 16:29	07/27/16 11:32	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		07/20/16 16:29	07/27/16 11:32	1
2-Chloronaphthalene	ND		10	0.52	ug/L		07/20/16 16:29	07/27/16 11:32	1
2-Chlorophenol	ND		10	2.2	ug/L		07/20/16 16:29	07/27/16 11:32	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		07/20/16 16:29	07/27/16 11:32	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		07/20/16 16:29	07/27/16 11:32	1
Dibenzofuran	ND		10	0.52	ug/L		07/20/16 16:29	07/27/16 11:32	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		07/20/16 16:29	07/27/16 11:32	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		07/20/16 16:29	07/27/16 11:32	1
Diethyl phthalate	ND		10	0.70	ug/L		07/20/16 16:29	07/27/16 11:32	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		07/20/16 16:29	07/27/16 11:32	1
Dimethyl phthalate	ND		10	0.60	ug/L		07/20/16 16:29	07/27/16 11:32	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		07/20/16 16:29	07/27/16 11:32	1
4,6-Dinitro-ortho-cresol	ND	UJ	10	2.0	ug/L		07/20/16 16:29	07/27/16 11:32	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		07/20/16 16:29	07/27/16 11:32	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		07/20/16 16:29	07/27/16 11:32	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		07/20/16 16:29	07/27/16 11:32	1
Di-n-octyl phthalate	ND		10	0.44	ug/L		07/20/16 16:29	07/27/16 11:32	1
1,4-Dioxane	ND		10	1.0	ug/L		07/20/16 16:29	07/27/16 11:32	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		07/20/16 16:29	07/27/16 11:32	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/20/16 16:29	07/27/16 11:32	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		07/20/16 16:29	07/27/16 11:32	1
Hexachloroethane	ND		10	4.2	ug/L		07/20/16 16:29	07/27/16 11:32	1
Indene	**1.4**	**J**	10	1.0	ug/L		07/20/16 16:29	07/27/16 11:32	1
Isophorone	ND		10	0.57	ug/L		07/20/16 16:29	07/27/16 11:32	1
2-Methylphenol	ND		10	1.8	ug/L		07/20/16 16:29	07/27/16 11:32	1
3 & 4 Methylphenol	**2.6**	**J**	20	1.0	ug/L		07/20/16 16:29	07/27/16 11:32	1
2-Nitroaniline	ND		10	2.2	ug/L		07/20/16 16:29	07/27/16 11:32	1
3-Nitroaniline	ND		10	1.8	ug/L		07/20/16 16:29	07/27/16 11:32	1
4-Nitroaniline	ND		10	2.5	ug/L		07/20/16 16:29	07/27/16 11:32	1
Nitrobenzene	ND		10	0.55	ug/L		07/20/16 16:29	07/27/16 11:32	1
2-Nitrophenol	ND		10	0.65	ug/L		07/20/16 16:29	07/27/16 11:32	1
4-Nitrophenol	ND		10	2.1	ug/L		07/20/16 16:29	07/27/16 11:32	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		07/20/16 16:29	07/27/16 11:32	1

Client Sample ID: MW7-ROX-071416-DUP

Date Collected: 07/14/16 15:35
Date Received: 07/15/16 08:36

Lab Sample ID: 400-124556-6

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		07/20/16 16:29	07/27/16 11:32	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		07/20/16 16:29	07/27/16 11:32	1
Pentachlorophenol	ND		20	1.8	ug/L		07/20/16 16:29	07/27/16 11:32	1
Phenol	**190**		20	5.2	ug/L		07/20/16 16:29	07/28/16 12:55	2
Pyridine	ND		10	3.2	ug/L		07/20/16 16:29	07/27/16 11:32	1
Quinoline	ND		10	6.0	ug/L		07/20/16 16:29	07/27/16 11:32	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		07/20/16 16:29	07/27/16 11:32	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		07/20/16 16:29	07/27/16 11:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*71*		*34 - 120*	*07/20/16 16:29*	*07/27/16 11:32*	*1*
2-Fluorophenol	*54*		*10 - 120*	*07/20/16 16:29*	*07/27/16 11:32*	*1*
Nitrobenzene-d5	*57*		*27 - 120*	*07/20/16 16:29*	*07/27/16 11:32*	*1*
Phenol-d5	*63*		*10 - 120*	*07/20/16 16:29*	*07/27/16 11:32*	*1*
Terphenyl-d14	*62*		*53 - 125*	*07/20/16 16:29*	*07/27/16 11:32*	*1*
2,4,6-Tribromophenol	*102*		*15 - 135*	*07/20/16 16:29*	*07/27/16 11:32*	*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		07/24/16 10:44	07/26/16 05:30	1
1,2-Dibromoethane	ND		0.019	0.0048	ug/L		07/24/16 10:44	07/26/16 05:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*108*		*51 - 149*	*07/24/16 10:44*	*07/26/16 05:30*	*1*

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
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
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
X	Surrogate is outside control limits
*	LCS or LCSD is outside acceptance limits.
*	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 - 3Q16

TestAmerica Job ID: 400-124556-1
SDG: 60477387 - 1.03.003/1.03.0033

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)
400-124556-2	TB-ROX-071416W-8260	92	102	92
400-124556-3	MW4-ROX-071416	93	105	91
400-124556-3 MS	MW4-ROX-071416	100	101	99
400-124556-3 MSD	MW4-ROX-071416	101	102	99
400-124556-4	MW8-ROX-071416	93	109	93
400-124556-5	MW7-ROX-071416	93	107	92
400-124556-6	MW7-ROX-071416-DUP	94	109	94
400-124815-A-1 MS	Matrix Spike	102	100	100
400-124815-A-1 MSD	Matrix Spike Duplicate	101	101	99
LCS 400-315518/1002	Lab Control Sample	101	96	98
LCS 400-315584/1002	Lab Control Sample	99	98	100
MB 400-315518/4	Method Blank	94	105	92
MB 400-315584/4	Method Blank	93	102	90

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)
400-124556-3	MW4-ROX-071416	64	59	72	67	52 X	58
400-124556-4	MW8-ROX-071416	49	38	39	57	29 X	66
400-124556-5	MW7-ROX-071416	61	46	54	71	39 X	77
400-124556-6	MW7-ROX-071416-DUP	71	54	57	63	62	102
LCS 400-315114/2-A	Lab Control Sample	71	73	76	83	71	82
LCS 400-315114/4-A	Lab Control Sample	58	47	65	67	64	46
LCSD 400-315114/3-A	Lab Control Sample Dup	56	54	61	67	56	64
LCSD 400-315114/5-A	Lab Control Sample Dup	53	48	59	63	57	38
MB 400-315114/1-A	Method Blank	51	50	56	61	53	31

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)
400-124556-3	MW4-ROX-071416	70	73	76

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	TPH (33-138)	FBP (15-122)	NBZ (19-130)
400-124556-4	MW8-ROX-071416	33	55	35
400-124556-5	MW7-ROX-071416	44	67	53
400-124556-6	MW7-ROX-071416-DUP	45	50	34
LCS 400-315114/2-A	Lab Control Sample	80	81	76
LCSD 400-315114/3-A	Lab Control Sample Dup	62	67	62
MB 400-315114/1-A	Method Blank	76	59	58

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)
400-124556-1	TB-ROX-071416W-8011	83
400-124556-3	MW4-ROX-071416	89
400-124556-4	MW8-ROX-071416	73
400-124556-5	MW7-ROX-071416	113
400-124556-6	MW7-ROX-071416-DUP	108
LCS 400-315511/2-A	Lab Control Sample	88
LCSD 400-315511/3-A	Lab Control Sample Dup	101
MB 400-315511/1-A	Method Blank	88

Surrogate Legend

BFB = 4-Bromofluorobenzene

Method Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 3Q16

TestAmerica Job ID: 400-124556-1
SDG: 60477387 - 1.03.003/1.03.0033

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: TB-ROX-071416W-8011

Lab Sample ID: 400-124556-1
Matrix: Water

Date Collected: 07/14/16 00:00
Date Received: 07/15/16 08:36

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			34.7 mL	35 mL	315511	07/24/16 10:44	AM	TAL PEN
Total/NA	Analysis	8011		1			315814	07/26/16 03:31	AM	TAL PEN

Client Sample ID: TB-ROX-071416W-8260

Lab Sample ID: 400-124556-2
Matrix: Water

Date Collected: 07/14/16 00:00
Date Received: 07/15/16 08:36

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	315584	07/25/16 19:57	ST1	TAL PEN

Client Sample ID: MW4-ROX-071416

Lab Sample ID: 400-124556-3
Matrix: Water

Date Collected: 07/14/16 10:25
Date Received: 07/15/16 08:36

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	315518	07/24/16 19:12	S1S	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	315114	07/20/16 16:29	RMC	TAL PEN
Total/NA	Analysis	8270D		1			315708	07/26/16 20:03	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	315114	07/20/16 16:29	RMC	TAL PEN
Total/NA	Analysis	8270D LL		1			315542	07/23/16 04:02	VC1	TAL PEN
Total/NA	Prep	8011			35.5 mL	35 mL	315511	07/24/16 10:44	AM	TAL PEN
Total/NA	Analysis	8011		1			315814	07/26/16 04:00	AM	TAL PEN

Client Sample ID: MW8-ROX-071416

Lab Sample ID: 400-124556-4
Matrix: Water

Date Collected: 07/14/16 13:30
Date Received: 07/15/16 08:36

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	315518	07/24/16 19:38	S1S	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	315114	07/20/16 16:29	RMC	TAL PEN
Total/NA	Analysis	8270D		1			315708	07/26/16 20:34	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	315114	07/20/16 16:29	RMC	TAL PEN
Total/NA	Analysis	8270D		2			316123	07/28/16 15:30	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	315114	07/20/16 16:29	RMC	TAL PEN
Total/NA	Analysis	8270D LL		1			315542	07/23/16 04:27	VC1	TAL PEN
Total/NA	Prep	8011			35.1 mL	35 mL	315511	07/24/16 10:44	AM	TAL PEN
Total/NA	Analysis	8011		1			315814	07/26/16 04:30	AM	TAL PEN

Client Sample ID: MW7-ROX-071416

Lab Sample ID: 400-124556-5
Matrix: Water

Date Collected: 07/14/16 15:35
Date Received: 07/15/16 08:36

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	315518	07/24/16 20:04	S1S	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	315114	07/20/16 16:29	RMC	TAL PEN
Total/NA	Analysis	8270D		1			315708	07/26/16 21:04	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	315114	07/20/16 16:29	RMC	TAL PEN
Total/NA	Analysis	8270D		2			316123	07/28/16 16:00	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	315114	07/20/16 16:29	RMC	TAL PEN
Total/NA	Analysis	8270D LL		1			315542	07/23/16 04:53	VC1	TAL PEN
Total/NA	Prep	8011			35.6 mL	35 mL	315511	07/24/16 10:44	AM	TAL PEN
Total/NA	Analysis	8011		1			315814	07/26/16 05:00	AM	TAL PEN

Client Sample ID: MW7-ROX-071416-DUP

Lab Sample ID: 400-124556-6
Matrix: Water

Date Collected: 07/14/16 15:35
Date Received: 07/15/16 08:36

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	315518	07/24/16 20:30	S1S	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	315114	07/20/16 16:29	RMC	TAL PEN
Total/NA	Analysis	8270D		1			315904	07/27/16 11:32	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	315114	07/20/16 16:29	RMC	TAL PEN
Total/NA	Analysis	8270D		2			316123	07/28/16 12:55	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	315114	07/20/16 16:29	RMC	TAL PEN
Total/NA	Analysis	8270D LL		1			315581	07/25/16 10:55	VC1	TAL PEN
Total/NA	Prep	8011			36.2 mL	35 mL	315511	07/24/16 10:44	AM	TAL PEN
Total/NA	Analysis	8011		1			315814	07/26/16 05:30	AM	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-315114/1-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	315114	07/20/16 16:29	RMC	TAL PEN
Total/NA	Analysis	8270D		1			315708	07/26/16 17:31	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	315114	07/20/16 16:29	RMC	TAL PEN
Total/NA	Analysis	8270D LL		1			315542	07/23/16 02:45	VC1	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-315511/1-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	315511	07/24/16 10:44	AM	TAL PEN
Total/NA	Analysis	8011		1			315814	07/25/16 21:33	AM	TAL PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-315518/4
Date Collected: N/A
Matrix: Water
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	315518	07/24/16 16:36	S1S	TAL PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-315584/4
Date Collected: N/A
Matrix: Water
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	315584	07/25/16 13:01	ST1	TAL PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-315114/2-A
Date Collected: N/A
Matrix: Water
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	315114	07/20/16 16:29	RMC	TAL PEN
Total/NA	Analysis	8270D		1			315708	07/26/16 18:01	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	315114	07/20/16 16:29	RMC	TAL PEN
Total/NA	Analysis	8270D LL		5			315542	07/23/16 03:11	VC1	TAL PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-315114/4-A
Date Collected: N/A
Matrix: Water
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	315114	07/20/16 16:29	RMC	TAL PEN
Total/NA	Analysis	8270D		1			315708	07/26/16 19:02	MAM	TAL PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-315511/2-A
Date Collected: N/A
Matrix: Water
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	315511	07/24/16 10:44	AM	TAL PEN
Total/NA	Analysis	8011		1			315814	07/25/16 22:03	AM	TAL PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-315518/1002
Date Collected: N/A
Matrix: Water
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	315518	07/24/16 15:34	S1S	TAL PEN

Lab Chronicle

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 3Q16

TestAmerica Job ID: 400-124556-1
SDG: 60477387 - 1.03.003/1.03.0033

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-315584/1002
Date Collected: N/A
Matrix: Water
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	315584	07/25/16 11:57	ST1	TAL PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-315114/3-A
Date Collected: N/A
Matrix: Water
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	315114	07/20/16 16:29	RMC	TAL PEN
Total/NA	Analysis	8270D		1			315977	07/27/16 15:56	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	315114	07/20/16 16:29	RMC	TAL PEN
Total/NA	Analysis	8270D		1			315708	07/26/16 18:32	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	315114	07/20/16 16:29	RMC	TAL PEN
Total/NA	Analysis	8270D LL		5			315542	07/23/16 03:36	VC1	TAL PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-315114/5-A
Date Collected: N/A
Matrix: Water
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	315114	07/20/16 16:29	RMC	TAL PEN
Total/NA	Analysis	8270D		1			315708	07/26/16 19:33	MAM	TAL PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-315511/3-A
Date Collected: N/A
Matrix: Water
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	315511	07/24/16 10:44	AM	TAL PEN
Total/NA	Analysis	8011		1			315814	07/25/16 22:33	AM	TAL PEN

Client Sample ID: MW4-ROX-071416
Lab Sample ID: 400-124556-3 MS
Date Collected: 07/14/16 10:25
Matrix: Water
Date Received: 07/15/16 08:36

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	315518	07/24/16 20:56	S1S	TAL PEN

Lab Chronicle

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 3Q16

TestAmerica Job ID: 400-124556-1
SDG: 60477387 - 1.03.003/1.03.0033

Client Sample ID: MW4-ROX-071416

Lab Sample ID: 400-124556-3 MSD

Date Collected: 07/14/16 10:25
Date Received: 07/15/16 08:36

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	315518	07/24/16 21:22	S1S	TAL PEN

Client Sample ID: Matrix Spike

Lab Sample ID: 400-124815-A-1 MS

Date Collected: 07/19/16 14:35
Date Received: 07/21/16 14:55

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	315584	07/25/16 13:53	ST1	TAL PEN

Client Sample ID: Matrix Spike Duplicate

Lab Sample ID: 400-124815-A-1 MSD

Date Collected: 07/19/16 14:35
Date Received: 07/21/16 14:55

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	315584	07/25/16 14:19	ST1	TAL PEN

Laboratory References:

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

GC/MS VOA

Analysis Batch: 315518

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124556-3	MW4-ROX-071416	Total/NA	Water	8260B	
400-124556-4	MW8-ROX-071416	Total/NA	Water	8260B	
400-124556-5	MW7-ROX-071416	Total/NA	Water	8260B	
400-124556-6	MW7-ROX-071416-DUP	Total/NA	Water	8260B	
MB 400-315518/4	Method Blank	Total/NA	Water	8260B	
LCS 400-315518/1002	Lab Control Sample	Total/NA	Water	8260B	
400-124556-3 MS	MW4-ROX-071416	Total/NA	Water	8260B	
400-124556-3 MSD	MW4-ROX-071416	Total/NA	Water	8260B	

Analysis Batch: 315584

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124556-2	TB-ROX-071416W-8260	Total/NA	Water	8260B	
MB 400-315584/4	Method Blank	Total/NA	Water	8260B	
LCS 400-315584/1002	Lab Control Sample	Total/NA	Water	8260B	
400-124815-A-1 MS	Matrix Spike	Total/NA	Water	8260B	
400-124815-A-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 315114

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124556-3	MW4-ROX-071416	Total/NA	Water	3520C	
400-124556-4	MW8-ROX-071416	Total/NA	Water	3520C	
400-124556-5	MW7-ROX-071416	Total/NA	Water	3520C	
400-124556-6	MW7-ROX-071416-DUP	Total/NA	Water	3520C	
MB 400-315114/1-A	Method Blank	Total/NA	Water	3520C	
LCS 400-315114/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCS 400-315114/4-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 400-315114/3-A	Lab Control Sample Dup	Total/NA	Water	3520C	
LCSD 400-315114/5-A	Lab Control Sample Dup	Total/NA	Water	3520C	

Analysis Batch: 315542

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124556-3	MW4-ROX-071416	Total/NA	Water	8270D LL	315114
400-124556-4	MW8-ROX-071416	Total/NA	Water	8270D LL	315114
400-124556-5	MW7-ROX-071416	Total/NA	Water	8270D LL	315114
MB 400-315114/1-A	Method Blank	Total/NA	Water	8270D LL	315114
LCS 400-315114/2-A	Lab Control Sample	Total/NA	Water	8270D LL	315114
LCSD 400-315114/3-A	Lab Control Sample Dup	Total/NA	Water	8270D LL	315114

Analysis Batch: 315581

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124556-6	MW7-ROX-071416-DUP	Total/NA	Water	8270D LL	315114

Analysis Batch: 315708

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124556-3	MW4-ROX-071416	Total/NA	Water	8270D	315114
400-124556-4	MW8-ROX-071416	Total/NA	Water	8270D	315114
400-124556-5	MW7-ROX-071416	Total/NA	Water	8270D	315114
MB 400-315114/1-A	Method Blank	Total/NA	Water	8270D	315114

GC/MS Semi VOA (Continued)

Analysis Batch: 315708 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 400-315114/2-A	Lab Control Sample	Total/NA	Water	8270D	315114
LCS 400-315114/4-A	Lab Control Sample	Total/NA	Water	8270D	315114
LCSD 400-315114/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	315114
LCSD 400-315114/5-A	Lab Control Sample Dup	Total/NA	Water	8270D	315114

Analysis Batch: 315904

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124556-6	MW7-ROX-071416-DUP	Total/NA	Water	8270D	315114

Analysis Batch: 315977

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 400-315114/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	315114

Analysis Batch: 316123

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124556-4	MW8-ROX-071416	Total/NA	Water	8270D	315114
400-124556-5	MW7-ROX-071416	Total/NA	Water	8270D	315114
400-124556-6	MW7-ROX-071416-DUP	Total/NA	Water	8270D	315114

GC Semi VOA

Prep Batch: 315511

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124556-1	TB-ROX-071416W-8011	Total/NA	Water	8011	
400-124556-3	MW4-ROX-071416	Total/NA	Water	8011	
400-124556-4	MW8-ROX-071416	Total/NA	Water	8011	
400-124556-5	MW7-ROX-071416	Total/NA	Water	8011	
400-124556-6	MW7-ROX-071416-DUP	Total/NA	Water	8011	
MB 400-315511/1-A	Method Blank	Total/NA	Water	8011	
LCS 400-315511/2-A	Lab Control Sample	Total/NA	Water	8011	
LCSD 400-315511/3-A	Lab Control Sample Dup	Total/NA	Water	8011	

Analysis Batch: 315814

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124556-1	TB-ROX-071416W-8011	Total/NA	Water	8011	315511
400-124556-3	MW4-ROX-071416	Total/NA	Water	8011	315511
400-124556-4	MW8-ROX-071416	Total/NA	Water	8011	315511
400-124556-5	MW7-ROX-071416	Total/NA	Water	8011	315511
400-124556-6	MW7-ROX-071416-DUP	Total/NA	Water	8011	315511
MB 400-315511/1-A	Method Blank	Total/NA	Water	8011	315511
LCS 400-315511/2-A	Lab Control Sample	Total/NA	Water	8011	315511
LCSD 400-315511/3-A	Lab Control Sample Dup	Total/NA	Water	8011	315511

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

Lab Sample ID: MB 400-315518/4
Matrix: Water
Analysis Batch: 315518

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			07/24/16 16:36	1
Acrolein	ND		20	10	ug/L			07/24/16 16:36	1
Acrylonitrile	ND		10	2.8	ug/L			07/24/16 16:36	1
Benzene	ND		1.0	0.38	ug/L			07/24/16 16:36	1
Bromobenzene	ND		1.0	0.54	ug/L			07/24/16 16:36	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/24/16 16:36	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/24/16 16:36	1
Bromoform	ND		5.0	0.71	ug/L			07/24/16 16:36	1
Bromomethane	ND		1.0	0.98	ug/L			07/24/16 16:36	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/24/16 16:36	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/24/16 16:36	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			07/24/16 16:36	1
Chlorobenzene	ND		1.0	0.50	ug/L			07/24/16 16:36	1
Dibromochloromethane	ND		1.0	0.50	ug/L			07/24/16 16:36	1
Chloroethane	ND		1.0	0.76	ug/L			07/24/16 16:36	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/24/16 16:36	1
Chloroform	ND		1.0	0.60	ug/L			07/24/16 16:36	1
1-Chlorohexane	ND		1.0	0.70	ug/L			07/24/16 16:36	1
Chloromethane	ND		1.0	0.83	ug/L			07/24/16 16:36	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/24/16 16:36	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/24/16 16:36	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/24/16 16:36	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/24/16 16:36	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/24/16 16:36	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/24/16 16:36	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/24/16 16:36	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			07/24/16 16:36	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/24/16 16:36	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/24/16 16:36	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/24/16 16:36	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/24/16 16:36	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			07/24/16 16:36	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/24/16 16:36	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/24/16 16:36	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/24/16 16:36	1
2-Hexanone	ND		25	3.1	ug/L			07/24/16 16:36	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/24/16 16:36	1
Methylene bromide	ND		5.0	0.59	ug/L			07/24/16 16:36	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/24/16 16:36	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/24/16 16:36	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			07/24/16 16:36	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			07/24/16 16:36	1
Naphthalene	ND		1.0	1.0	ug/L			07/24/16 16:36	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/24/16 16:36	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/24/16 16:36	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/24/16 16:36	1
o-Xylene	ND		5.0	0.60	ug/L			07/24/16 16:36	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/24/16 16:36	1

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

Lab Sample ID: MB 400-315518/4
Matrix: Water
Analysis Batch: 315518

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			07/24/16 16:36	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/24/16 16:36	1
Styrene	ND		1.0	1.0	ug/L			07/24/16 16:36	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/24/16 16:36	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			07/24/16 16:36	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/24/16 16:36	1
Tetrachloroethene	ND		1.0	0.58	ug/L			07/24/16 16:36	1
Toluene	ND		1.0	0.70	ug/L			07/24/16 16:36	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/24/16 16:36	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/24/16 16:36	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			07/24/16 16:36	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/24/16 16:36	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			07/24/16 16:36	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			07/24/16 16:36	1
Trichloroethene	ND		1.0	0.50	ug/L			07/24/16 16:36	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			07/24/16 16:36	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/24/16 16:36	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/24/16 16:36	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/24/16 16:36	1
Vinyl acetate	ND		25	2.0	ug/L			07/24/16 16:36	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/24/16 16:36	1
Xylenes, Total	ND		10	1.6	ug/L			07/24/16 16:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*78 - 118*		*07/24/16 16:36*	*1*
Dibromofluoromethane	*105*		*81 - 121*		*07/24/16 16:36*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*07/24/16 16:36*	*1*

Lab Sample ID: LCS 400-315518/1002
Matrix: Water
Analysis Batch: 315518

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	200	248		ug/L		124	43 - 160
Acrolein	400	505		ug/L		126	38 - 160
Acrylonitrile	500	628		ug/L		126	64 - 142
Benzene	50.0	45.1		ug/L		90	70 - 130
Bromobenzene	50.0	49.1		ug/L		98	70 - 132
Bromochloromethane	50.0	45.9		ug/L		92	70 - 130
Bromodichloromethane	50.0	46.2		ug/L		92	67 - 133
Bromoform	50.0	46.7		ug/L		93	57 - 140
Bromomethane	40.0	30.6		ug/L		76	10 - 160
2-Butanone (MEK)	200	243		ug/L		121	61 - 145
Carbon disulfide	50.0	42.4		ug/L		85	61 - 137
Carbon tetrachloride	50.0	39.4		ug/L		79	61 - 137
Chlorobenzene	50.0	47.4		ug/L		95	70 - 130
Dibromochloromethane	50.0	45.9		ug/L		92	67 - 135
Chloroethane	40.0	36.8		ug/L		92	55 - 141

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

Lab Sample ID: LCS 400-315518/1002
Matrix: Water
Analysis Batch: 315518

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	126	*	ug/L		315	10 - 160
Chloroform	50.0	43.1		ug/L		86	69 - 130
1-Chlorohexane	50.0	44.1		ug/L		88	69 - 130
Chloromethane	40.0	37.2		ug/L		93	58 - 137
cis-1,2-Dichloroethene	50.0	46.7		ug/L		93	68 - 130
cis-1,3-Dichloropropene	50.0	47.4		ug/L		95	69 - 132
1,2-Dichlorobenzene	50.0	49.0		ug/L		98	67 - 130
1,3-Dichlorobenzene	50.0	47.8		ug/L		96	70 - 130
1,4-Dichlorobenzene	50.0	50.0		ug/L		100	70 - 130
Dichlorodifluoromethane	40.0	30.8		ug/L		77	41 - 146
1,1-Dichloroethane	50.0	44.5		ug/L		89	70 - 130
1,2-Dichloroethane	50.0	49.1		ug/L		98	69 - 130
1,1-Dichloroethene	50.0	44.7		ug/L		89	63 - 134
1,2-Dichloropropane	50.0	46.7		ug/L		93	70 - 130
1,3-Dichloropropane	50.0	50.8		ug/L		102	70 - 130
2,2-Dichloropropane	50.0	41.0		ug/L		82	52 - 135
1,1-Dichloropropene	50.0	42.8		ug/L		86	70 - 130
Ethylbenzene	50.0	45.2		ug/L		90	70 - 130
Ethyl methacrylate	50.0	52.0		ug/L		104	68 - 130
Hexachlorobutadiene	50.0	46.8		ug/L		94	53 - 140
2-Hexanone	200	241		ug/L		121	65 - 137
Isopropylbenzene	50.0	45.6		ug/L		91	70 - 130
Methylene bromide	50.0	48.6		ug/L		97	70 - 130
Methylene Chloride	50.0	44.8		ug/L		90	66 - 135
4-Methyl-2-pentanone (MIBK)	200	253		ug/L		127	69 - 138
Methyl tert-butyl ether	50.0	51.0		ug/L		102	66 - 130
m-Xylene & p-Xylene	50.0	45.3		ug/L		91	70 - 130
Naphthalene	50.0	51.7		ug/L		103	47 - 149
n-Butylbenzene	50.0	44.8		ug/L		90	67 - 130
N-Propylbenzene	50.0	45.2		ug/L		90	70 - 130
o-Chlorotoluene	50.0	44.7		ug/L		89	70 - 130
o-Xylene	50.0	46.8		ug/L		94	70 - 130
p-Chlorotoluene	50.0	46.9		ug/L		94	70 - 130
p-Isopropyltoluene	50.0	45.4		ug/L		91	65 - 130
sec-Butylbenzene	50.0	43.9		ug/L		88	66 - 130
Styrene	50.0	46.0		ug/L		92	70 - 130
tert-Butylbenzene	50.0	46.9		ug/L		94	64 - 139
1,1,1,2-Tetrachloroethane	50.0	45.5		ug/L		91	67 - 131
1,1,2,2-Tetrachloroethane	50.0	59.3		ug/L		119	70 - 131
Tetrachloroethene	50.0	42.8		ug/L		86	65 - 130
Toluene	50.0	44.5		ug/L		89	70 - 130
trans-1,2-Dichloroethene	50.0	41.6		ug/L		83	70 - 130
trans-1,3-Dichloropropene	50.0	48.1		ug/L		96	63 - 130
1,2,3-Trichlorobenzene	50.0	50.8		ug/L		102	60 - 138
1,2,4-Trichlorobenzene	50.0	51.1		ug/L		102	60 - 140
1,1,1-Trichloroethane	50.0	41.8		ug/L		84	68 - 130
1,1,2-Trichloroethane	50.0	51.7		ug/L		103	70 - 130
Trichloroethene	50.0	44.0		ug/L		88	70 - 130

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

Lab Sample ID: LCS 400-315518/1002
Matrix: Water
Analysis Batch: 315518

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	34.6		ug/L		87	65 - 138
1,2,3-Trichloropropane	50.0	57.5		ug/L		115	70 - 130
1,2,4-Trimethylbenzene	50.0	44.0		ug/L		88	70 - 130
1,3,5-Trimethylbenzene	50.0	47.7		ug/L		95	69 - 130
Vinyl acetate	80.0	90.2		ug/L		113	26 - 160
Vinyl chloride	40.0	35.5		ug/L		89	59 - 136
Xylenes, Total	100	92.1		ug/L		92	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*78 - 118*
Dibromofluoromethane	*96*		*81 - 121*
Toluene-d8 (Surr)	*98*		*80 - 120*

Lab Sample ID: 400-124556-3 MS
Matrix: Water
Analysis Batch: 315518

Client Sample ID: MW4-ROX-071416
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		200	251		ug/L		86	43 - 160
Acrolein	ND		400	440		ug/L		110	38 - 160
Acrylonitrile	ND		500	565		ug/L		113	62 - 149
Benzene	0.80	J	50.0	52.8		ug/L		104	56 - 142
Bromobenzene	ND		50.0	51.5		ug/L		103	59 - 136
Bromochloromethane	ND		50.0	50.5		ug/L		101	64 - 140
Bromodichloromethane	ND		50.0	50.8		ug/L		102	59 - 143
Bromoform	ND		50.0	50.1		ug/L		100	50 - 140
Bromomethane	ND		40.0	27.7		ug/L		69	10 - 160
2-Butanone (MEK)	ND		200	211		ug/L		105	55 - 150
Carbon disulfide	ND		50.0	50.3		ug/L		101	48 - 152
Carbon tetrachloride	ND		50.0	47.5		ug/L		95	55 - 145
Chlorobenzene	ND		50.0	52.9		ug/L		106	64 - 130
Dibromochloromethane	ND		50.0	51.1		ug/L		102	56 - 143
Chloroethane	ND		40.0	42.2		ug/L		105	50 - 151
2-Chloroethyl vinyl ether	ND	F1 *	40.0	ND	F1	ug/L		0	10 - 160
Chloroform	ND		50.0	50.2		ug/L		100	60 - 141
1-Chlorohexane	ND		50.0	52.2		ug/L		104	56 - 136
Chloromethane	ND		40.0	38.5		ug/L		96	49 - 148
cis-1,2-Dichloroethene	ND		50.0	50.6		ug/L		101	59 - 143
cis-1,3-Dichloropropene	ND		50.0	51.3		ug/L		103	57 - 140
1,2-Dichlorobenzene	ND		50.0	52.2		ug/L		104	52 - 137
1,3-Dichlorobenzene	ND		50.0	51.3		ug/L		103	54 - 135
1,4-Dichlorobenzene	ND		50.0	52.7		ug/L		105	53 - 135
Dichlorodifluoromethane	ND		40.0	33.6		ug/L		84	16 - 160
1,1-Dichloroethane	ND		50.0	52.4		ug/L		105	61 - 144
1,2-Dichloroethane	ND		50.0	51.6		ug/L		103	60 - 141
1,1-Dichloroethene	ND		50.0	50.2		ug/L		100	54 - 147
1,2-Dichloropropane	ND		50.0	50.6		ug/L		101	66 - 137
1,3-Dichloropropane	ND		50.0	53.1		ug/L		106	66 - 133

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

Lab Sample ID: 400-124556-3 MS
Matrix: Water
Analysis Batch: 315518

Client Sample ID: MW4-ROX-071416
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	47.1		ug/L		94	42 - 144
1,1-Dichloropropene	ND		50.0	51.3		ug/L		103	65 - 136
Ethylbenzene	ND		50.0	51.7		ug/L		103	58 - 131
Ethyl methacrylate	ND		50.0	54.0		ug/L		108	64 - 130
Hexachlorobutadiene	ND		50.0	51.4		ug/L		103	31 - 149
2-Hexanone	ND		200	220		ug/L		110	65 - 140
Isopropylbenzene	0.53	J	50.0	52.9		ug/L		105	56 - 133
Methylene bromide	ND		50.0	52.3		ug/L		105	63 - 138
Methylene Chloride	ND		50.0	48.9		ug/L		98	60 - 146
4-Methyl-2-pentanone (MIBK)	ND		200	229		ug/L		115	63 - 146
Methyl tert-butyl ether	ND		50.0	56.6		ug/L		99	59 - 137
m-Xylene & p-Xylene	ND		50.0	52.1		ug/L		104	57 - 130
Naphthalene	ND		50.0	53.7		ug/L		107	25 - 160
n-Butylbenzene	ND		50.0	49.8		ug/L		100	41 - 142
N-Propylbenzene	ND		50.0	49.2		ug/L		98	51 - 138
o-Chlorotoluene	ND		50.0	46.1		ug/L		92	53 - 134
o-Xylene	ND		50.0	52.0		ug/L		104	61 - 130
p-Chlorotoluene	ND		50.0	50.5		ug/L		101	54 - 133
p-Isopropyltoluene	ND		50.0	49.4		ug/L		99	48 - 139
sec-Butylbenzene	ND		50.0	48.9		ug/L		98	50 - 138
Styrene	ND		50.0	50.8		ug/L		102	58 - 131
tert-Butylbenzene	ND		50.0	51.7		ug/L		103	54 - 146
1,1,1,2-Tetrachloroethane	ND		50.0	51.3		ug/L		103	59 - 137
1,1,2,2-Tetrachloroethane	ND		50.0	54.9		ug/L		110	66 - 135
Tetrachloroethene	ND		50.0	50.1		ug/L		100	52 - 133
Toluene	ND		50.0	52.3		ug/L		105	65 - 130
trans-1,2-Dichloroethene	ND		50.0	49.3		ug/L		99	61 - 143
trans-1,3-Dichloropropene	ND		50.0	50.8		ug/L		102	53 - 133
1,2,3-Trichlorobenzene	ND		50.0	54.5		ug/L		109	43 - 145
1,2,4-Trichlorobenzene	ND		50.0	53.9		ug/L		108	39 - 148
1,1,1-Trichloroethane	ND		50.0	51.3		ug/L		103	57 - 142
1,1,2-Trichloroethane	ND		50.0	53.2		ug/L		106	66 - 131
Trichloroethene	ND		50.0	52.2		ug/L		104	64 - 136
Trichlorofluoromethane	ND		40.0	40.0		ug/L		100	54 - 156
1,2,3-Trichloropropane	ND		50.0	54.2		ug/L		108	65 - 133
1,2,4-Trimethylbenzene	ND		50.0	48.4		ug/L		97	50 - 139
1,3,5-Trimethylbenzene	ND		50.0	51.8		ug/L		104	52 - 135
Vinyl acetate	ND		80.0	83.7		ug/L		105	26 - 160
Vinyl chloride	ND		40.0	39.6		ug/L		99	46 - 152
Xylenes, Total	1.6	J	100	104		ug/L		104	59 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*78 - 118*
Dibromofluoromethane	*101*		*81 - 121*
Toluene-d8 (Surr)	*99*		*80 - 120*

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

Lab Sample ID: 400-124556-3 MSD
Matrix: Water
Analysis Batch: 315518

Client Sample ID: MW4-ROX-071416
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	278		ug/L		99	43 - 160	10	30
Acrolein	ND		400	466		ug/L		116	38 - 160	6	31
Acrylonitrile	ND		500	604		ug/L		121	62 - 149	7	30
Benzene	0.80	J	50.0	54.9		ug/L		108	56 - 142	4	30
Bromobenzene	ND		50.0	50.1		ug/L		100	59 - 136	3	30
Bromochloromethane	ND		50.0	51.4		ug/L		103	64 - 140	2	30
Bromodichloromethane	ND		50.0	51.9		ug/L		104	59 - 143	2	30
Bromoform	ND		50.0	51.9		ug/L		104	50 - 140	4	30
Bromomethane	ND		40.0	28.4		ug/L		71	10 - 160	3	50
2-Butanone (MEK)	ND		200	226		ug/L		113	55 - 150	7	30
Carbon disulfide	ND		50.0	51.1		ug/L		102	48 - 152	2	30
Carbon tetrachloride	ND		50.0	48.6		ug/L		97	55 - 145	2	30
Chlorobenzene	ND		50.0	52.5		ug/L		105	64 - 130	1	30
Dibromochloromethane	ND		50.0	51.6		ug/L		103	56 - 143	1	30
Chloroethane	ND		40.0	41.6		ug/L		104	50 - 151	1	30
2-Chloroethyl vinyl ether	ND	F1 *	40.0	ND	F1	ug/L		0	10 - 160	NC	50
Chloroform	ND		50.0	51.7		ug/L		103	60 - 141	3	30
1-Chlorohexane	ND		50.0	50.3		ug/L		101	56 - 136	4	30
Chloromethane	ND		40.0	38.4		ug/L		96	49 - 148	0	31
cis-1,2-Dichloroethene	ND		50.0	52.0		ug/L		104	59 - 143	3	30
cis-1,3-Dichloropropene	ND		50.0	52.2		ug/L		104	57 - 140	2	30
1,2-Dichlorobenzene	ND		50.0	50.4		ug/L		101	52 - 137	3	30
1,3-Dichlorobenzene	ND		50.0	48.7		ug/L		97	54 - 135	5	30
1,4-Dichlorobenzene	ND		50.0	50.4		ug/L		101	53 - 135	4	30
Dichlorodifluoromethane	ND		40.0	33.8		ug/L		84	16 - 160	1	31
1,1-Dichloroethane	ND		50.0	53.6		ug/L		107	61 - 144	2	30
1,2-Dichloroethane	ND		50.0	52.9		ug/L		106	60 - 141	3	30
1,1-Dichloroethene	ND		50.0	52.4		ug/L		105	54 - 147	4	30
1,2-Dichloropropane	ND		50.0	51.3		ug/L		103	66 - 137	1	30
1,3-Dichloropropane	ND		50.0	54.1		ug/L		108	66 - 133	2	30
2,2-Dichloropropane	ND		50.0	47.3		ug/L		95	42 - 144	0	31
1,1-Dichloropropene	ND		50.0	51.7		ug/L		103	65 - 136	1	30
Ethylbenzene	ND		50.0	50.4		ug/L		101	58 - 131	2	30
Ethyl methacrylate	ND		50.0	56.2		ug/L		112	64 - 130	4	30
Hexachlorobutadiene	ND		50.0	46.9		ug/L		94	31 - 149	9	36
2-Hexanone	ND		200	235		ug/L		118	65 - 140	7	30
Isopropylbenzene	0.53	J	50.0	50.8		ug/L		101	56 - 133	4	30
Methylene bromide	ND		50.0	53.7		ug/L		107	63 - 138	3	30
Methylene Chloride	ND		50.0	49.9		ug/L		100	60 - 146	2	32
4-Methyl-2-pentanone (MIBK)	ND		200	245		ug/L		123	63 - 146	7	30
Methyl tert-butyl ether	ND		50.0	57.7		ug/L		101	59 - 137	2	30
m-Xylene & p-Xylene	ND		50.0	50.8		ug/L		102	57 - 130	3	30
Naphthalene	ND		50.0	55.8		ug/L		112	25 - 160	4	30
n-Butylbenzene	ND		50.0	45.9		ug/L		92	41 - 142	8	31
N-Propylbenzene	ND		50.0	46.5		ug/L		93	51 - 138	6	30
o-Chlorotoluene	ND		50.0	44.7		ug/L		89	53 - 134	3	30
o-Xylene	ND		50.0	50.9		ug/L		102	61 - 130	2	30
p-Chlorotoluene	ND		50.0	47.4		ug/L		95	54 - 133	6	30

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

Lab Sample ID: 400-124556-3 MSD
Matrix: Water
Analysis Batch: 315518

Client Sample ID: MW4-ROX-071416
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	46.1		ug/L		92	48 - 139	7	30
sec-Butylbenzene	ND		50.0	45.8		ug/L		92	50 - 138	7	30
Styrene	ND		50.0	49.8		ug/L		100	58 - 131	2	30
tert-Butylbenzene	ND		50.0	49.8		ug/L		100	54 - 146	4	30
1,1,1,2-Tetrachloroethane	ND		50.0	52.1		ug/L		104	59 - 137	1	30
1,1,2,2-Tetrachloroethane	ND		50.0	57.3		ug/L		115	66 - 135	4	30
Tetrachloroethene	ND		50.0	49.0		ug/L		98	52 - 133	2	30
Toluene	ND		50.0	52.2		ug/L		104	65 - 130	0	30
trans-1,2-Dichloroethene	ND		50.0	49.8		ug/L		100	61 - 143	1	30
trans-1,3-Dichloropropene	ND		50.0	52.1		ug/L		104	53 - 133	3	30
1,2,3-Trichlorobenzene	ND		50.0	53.0		ug/L		106	43 - 145	3	30
1,2,4-Trichlorobenzene	ND		50.0	52.0		ug/L		104	39 - 148	4	30
1,1,1-Trichloroethane	ND		50.0	52.5		ug/L		105	57 - 142	2	30
1,1,2-Trichloroethane	ND		50.0	55.3		ug/L		111	66 - 131	4	30
Trichloroethene	ND		50.0	52.1		ug/L		104	64 - 136	0	30
Trichlorofluoromethane	ND		40.0	40.5		ug/L		101	54 - 156	1	30
1,2,3-Trichloropropane	ND		50.0	56.0		ug/L		112	65 - 133	3	30
1,2,4-Trimethylbenzene	ND		50.0	45.1		ug/L		90	50 - 139	7	30
1,3,5-Trimethylbenzene	ND		50.0	49.3		ug/L		99	52 - 135	5	30
Vinyl acetate	ND		80.0	88.3		ug/L		110	26 - 160	5	33
Vinyl chloride	ND		40.0	40.4		ug/L		101	46 - 152	2	30
Xylenes, Total	1.6	J	100	102		ug/L		102	59 - 130	2	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*78 - 118*
Dibromofluoromethane	*102*		*81 - 121*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: MB 400-315584/4
Matrix: Water
Analysis Batch: 315584

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			07/25/16 13:01	1
Acrolein	ND		20	10	ug/L			07/25/16 13:01	1
Acrylonitrile	ND		10	2.8	ug/L			07/25/16 13:01	1
Benzene	ND		1.0	0.38	ug/L			07/25/16 13:01	1
Bromobenzene	ND		1.0	0.54	ug/L			07/25/16 13:01	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/25/16 13:01	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/25/16 13:01	1
Bromoform	ND		5.0	0.71	ug/L			07/25/16 13:01	1
Bromomethane	ND		1.0	0.98	ug/L			07/25/16 13:01	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/25/16 13:01	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/25/16 13:01	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			07/25/16 13:01	1
Chlorobenzene	ND		1.0	0.50	ug/L			07/25/16 13:01	1
Dibromochloromethane	ND		1.0	0.50	ug/L			07/25/16 13:01	1
Chloroethane	ND		1.0	0.76	ug/L			07/25/16 13:01	1

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

Lab Sample ID: MB 400-315584/4
Matrix: Water
Analysis Batch: 315584

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			07/25/16 13:01	1
Chloroform	ND		1.0	0.60	ug/L			07/25/16 13:01	1
1-Chlorohexane	ND		1.0	0.70	ug/L			07/25/16 13:01	1
Chloromethane	ND		1.0	0.83	ug/L			07/25/16 13:01	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/25/16 13:01	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/25/16 13:01	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/25/16 13:01	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/25/16 13:01	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/25/16 13:01	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/25/16 13:01	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/25/16 13:01	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			07/25/16 13:01	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/25/16 13:01	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/25/16 13:01	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/25/16 13:01	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/25/16 13:01	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			07/25/16 13:01	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/25/16 13:01	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/25/16 13:01	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/25/16 13:01	1
2-Hexanone	ND		25	3.1	ug/L			07/25/16 13:01	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/25/16 13:01	1
Methylene bromide	ND		5.0	0.59	ug/L			07/25/16 13:01	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/25/16 13:01	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/25/16 13:01	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			07/25/16 13:01	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			07/25/16 13:01	1
Naphthalene	ND		1.0	1.0	ug/L			07/25/16 13:01	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/25/16 13:01	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/25/16 13:01	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/25/16 13:01	1
o-Xylene	ND		5.0	0.60	ug/L			07/25/16 13:01	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/25/16 13:01	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/25/16 13:01	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/25/16 13:01	1
Styrene	ND		1.0	1.0	ug/L			07/25/16 13:01	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/25/16 13:01	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			07/25/16 13:01	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/25/16 13:01	1
Tetrachloroethene	ND		1.0	0.58	ug/L			07/25/16 13:01	1
Toluene	ND		1.0	0.70	ug/L			07/25/16 13:01	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/25/16 13:01	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/25/16 13:01	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			07/25/16 13:01	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/25/16 13:01	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			07/25/16 13:01	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			07/25/16 13:01	1
Trichloroethene	ND		1.0	0.50	ug/L			07/25/16 13:01	1

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

Lab Sample ID: MB 400-315584/4
Matrix: Water
Analysis Batch: 315584

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			07/25/16 13:01	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/25/16 13:01	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/25/16 13:01	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/25/16 13:01	1
Vinyl acetate	ND		25	2.0	ug/L			07/25/16 13:01	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/25/16 13:01	1
Xylenes, Total	ND		10	1.6	ug/L			07/25/16 13:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*78 - 118*		*07/25/16 13:01*	*1*
Dibromofluoromethane	*102*		*81 - 121*		*07/25/16 13:01*	*1*
Toluene-d8 (Surr)	*90*		*80 - 120*		*07/25/16 13:01*	*1*

Lab Sample ID: LCS 400-315584/1002
Matrix: Water
Analysis Batch: 315584

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	200	195		ug/L		98	43 - 160
Acrolein	400	451		ug/L		113	38 - 160
Acrylonitrile	500	550		ug/L		110	64 - 142
Benzene	50.0	50.0		ug/L		100	70 - 130
Bromobenzene	50.0	50.7		ug/L		101	70 - 132
Bromochloromethane	50.0	47.9		ug/L		96	70 - 130
Bromodichloromethane	50.0	49.7		ug/L		99	67 - 133
Bromoform	50.0	49.6		ug/L		99	57 - 140
Bromomethane	40.0	32.1		ug/L		80	10 - 160
2-Butanone (MEK)	200	188		ug/L		94	61 - 145
Carbon disulfide	50.0	49.1		ug/L		98	61 - 137
Carbon tetrachloride	50.0	46.7		ug/L		93	61 - 137
Chlorobenzene	50.0	51.7		ug/L		103	70 - 130
Dibromochloromethane	50.0	49.6		ug/L		99	67 - 135
Chloroethane	40.0	42.3		ug/L		106	55 - 141
2-Chloroethyl vinyl ether	40.0	124	*	ug/L		310	10 - 160
Chloroform	50.0	48.3		ug/L		97	69 - 130
1-Chlorohexane	50.0	50.0		ug/L		100	69 - 130
Chloromethane	40.0	47.0		ug/L		117	58 - 137
cis-1,2-Dichloroethene	50.0	44.2		ug/L		88	68 - 130
cis-1,3-Dichloropropene	50.0	49.1		ug/L		98	69 - 132
1,2-Dichlorobenzene	50.0	50.8		ug/L		102	67 - 130
1,3-Dichlorobenzene	50.0	50.4		ug/L		101	70 - 130
1,4-Dichlorobenzene	50.0	52.4		ug/L		105	70 - 130
Dichlorodifluoromethane	40.0	49.3		ug/L		123	41 - 146
1,1-Dichloroethane	50.0	50.6		ug/L		101	70 - 130
1,2-Dichloroethane	50.0	48.8		ug/L		98	69 - 130
1,1-Dichloroethene	50.0	49.0		ug/L		98	63 - 134
1,2-Dichloropropane	50.0	48.1		ug/L		96	70 - 130
1,3-Dichloropropane	50.0	50.2		ug/L		100	70 - 130

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

Lab Sample ID: LCS 400-315584/1002
Matrix: Water
Analysis Batch: 315584

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	43.2		ug/L		86	52 - 135
1,1-Dichloropropene	50.0	49.5		ug/L		99	70 - 130
Ethylbenzene	50.0	50.8		ug/L		102	70 - 130
Ethyl methacrylate	50.0	51.9		ug/L		104	68 - 130
Hexachlorobutadiene	50.0	50.5		ug/L		101	53 - 140
2-Hexanone	200	218		ug/L		109	65 - 137
Isopropylbenzene	50.0	51.3		ug/L		103	70 - 130
Methylene bromide	50.0	49.9		ug/L		100	70 - 130
Methylene Chloride	50.0	49.1		ug/L		98	66 - 135
4-Methyl-2-pentanone (MIBK)	200	221		ug/L		110	69 - 138
Methyl tert-butyl ether	50.0	50.2		ug/L		100	66 - 130
m-Xylene & p-Xylene	50.0	51.2		ug/L		102	70 - 130
Naphthalene	50.0	51.5		ug/L		103	47 - 149
n-Butylbenzene	50.0	49.8		ug/L		100	67 - 130
N-Propylbenzene	50.0	48.7		ug/L		97	70 - 130
o-Chlorotoluene	50.0	47.4		ug/L		95	70 - 130
o-Xylene	50.0	50.1		ug/L		100	70 - 130
p-Chlorotoluene	50.0	49.8		ug/L		100	70 - 130
p-Isopropyltoluene	50.0	49.5		ug/L		99	65 - 130
sec-Butylbenzene	50.0	47.7		ug/L		95	66 - 130
Styrene	50.0	50.0		ug/L		100	70 - 130
tert-Butylbenzene	50.0	50.7		ug/L		101	64 - 139
1,1,1,2-Tetrachloroethane	50.0	50.3		ug/L		101	67 - 131
1,1,2,2-Tetrachloroethane	50.0	53.5		ug/L		107	70 - 131
Tetrachloroethene	50.0	50.3		ug/L		101	65 - 130
Toluene	50.0	50.8		ug/L		102	70 - 130
trans-1,2-Dichloroethene	50.0	48.7		ug/L		97	70 - 130
trans-1,3-Dichloropropene	50.0	50.2		ug/L		100	63 - 130
1,2,3-Trichlorobenzene	50.0	52.2		ug/L		104	60 - 138
1,2,4-Trichlorobenzene	50.0	52.0		ug/L		104	60 - 140
1,1,1-Trichloroethane	50.0	48.9		ug/L		98	68 - 130
1,1,2-Trichloroethane	50.0	52.0		ug/L		104	70 - 130
Trichloroethene	50.0	50.2		ug/L		100	70 - 130
Trichlorofluoromethane	40.0	42.8		ug/L		107	65 - 138
1,2,3-Trichloropropane	50.0	51.7		ug/L		103	70 - 130
1,2,4-Trimethylbenzene	50.0	47.5		ug/L		95	70 - 130
1,3,5-Trimethylbenzene	50.0	51.0		ug/L		102	69 - 130
Vinyl acetate	80.0	85.6		ug/L		107	26 - 160
Vinyl chloride	40.0	46.4		ug/L		116	59 - 136
Xylenes, Total	100	101		ug/L		101	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*99*		*78 - 118*
Dibromofluoromethane	*98*		*81 - 121*
Toluene-d8 (Surr)	*100*		*80 - 120*

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

Lab Sample ID: 400-124815-A-1 MS
Matrix: Water
Analysis Batch: 315584

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		200	190		ug/L		95	43 - 160
Acrolein	ND		400	464		ug/L		116	38 - 160
Acrylonitrile	ND		500	576		ug/L		115	62 - 149
Benzene	ND		50.0	54.6		ug/L		109	56 - 142
Bromobenzene	ND		50.0	54.5		ug/L		109	59 - 136
Bromochloromethane	ND		50.0	52.4		ug/L		105	64 - 140
Bromodichloromethane	ND		50.0	53.7		ug/L		107	59 - 143
Bromoform	ND		50.0	52.7		ug/L		105	50 - 140
Bromomethane	ND		40.0	36.2		ug/L		90	10 - 160
2-Butanone (MEK)	ND		200	214		ug/L		107	55 - 150
Carbon disulfide	ND		50.0	52.5		ug/L		105	48 - 152
Carbon tetrachloride	ND		50.0	50.8		ug/L		102	55 - 145
Chlorobenzene	ND		50.0	56.6		ug/L		113	64 - 130
Dibromochloromethane	ND		50.0	53.2		ug/L		106	56 - 143
Chloroethane	ND		40.0	45.5		ug/L		114	50 - 151
2-Chloroethyl vinyl ether	ND	F1 *	40.0	ND	F1	ug/L		0	10 - 160
Chloroform	ND		50.0	53.1		ug/L		106	60 - 141
1-Chlorohexane	ND		50.0	55.5		ug/L		111	56 - 136
Chloromethane	ND		40.0	47.9		ug/L		120	49 - 148
cis-1,2-Dichloroethene	ND		50.0	53.0		ug/L		106	59 - 143
cis-1,3-Dichloropropene	ND		50.0	54.7		ug/L		109	57 - 140
1,2-Dichlorobenzene	ND		50.0	54.9		ug/L		110	52 - 137
1,3-Dichlorobenzene	ND		50.0	55.0		ug/L		110	54 - 135
1,4-Dichlorobenzene	ND		50.0	57.5		ug/L		115	53 - 135
Dichlorodifluoromethane	ND		40.0	49.5		ug/L		124	16 - 160
1,1-Dichloroethane	ND		50.0	54.4		ug/L		109	61 - 144
1,2-Dichloroethane	ND		50.0	53.7		ug/L		107	60 - 141
1,1-Dichloroethene	ND		50.0	53.1		ug/L		106	54 - 147
1,2-Dichloropropane	ND		50.0	52.8		ug/L		106	66 - 137
1,3-Dichloropropane	ND		50.0	54.3		ug/L		109	66 - 133
2,2-Dichloropropane	ND		50.0	50.7		ug/L		101	42 - 144
1,1-Dichloropropene	ND		50.0	54.1		ug/L		108	65 - 136
Ethylbenzene	ND		50.0	55.4		ug/L		111	58 - 131
Ethyl methacrylate	ND		50.0	55.1		ug/L		110	64 - 130
Hexachlorobutadiene	ND		50.0	55.7		ug/L		111	31 - 149
2-Hexanone	ND		200	224		ug/L		112	65 - 140
Isopropylbenzene	1.3		50.0	57.0		ug/L		111	56 - 133
Methylene bromide	ND		50.0	53.6		ug/L		107	63 - 138
Methylene Chloride	ND		50.0	52.5		ug/L		105	60 - 146
4-Methyl-2-pentanone (MIBK)	ND		200	231		ug/L		115	63 - 146
Methyl tert-butyl ether	ND		50.0	52.8		ug/L		106	59 - 137
m-Xylene & p-Xylene	ND		50.0	55.4		ug/L		111	57 - 130
Naphthalene	ND		50.0	53.9		ug/L		108	25 - 160
n-Butylbenzene	ND		50.0	54.6		ug/L		109	41 - 142
N-Propylbenzene	2.1		50.0	55.2		ug/L		106	51 - 138
o-Chlorotoluene	ND		50.0	52.0		ug/L		104	53 - 134
o-Xylene	ND		50.0	55.3		ug/L		111	61 - 130
p-Chlorotoluene	ND		50.0	53.9		ug/L		108	54 - 133

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

Lab Sample ID: 400-124815-A-1 MS
Matrix: Water
Analysis Batch: 315584

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
p-Isopropyltoluene	ND		50.0	54.0		ug/L		108	48 - 139
sec-Butylbenzene	ND		50.0	53.1		ug/L		106	50 - 138
Styrene	ND		50.0	54.5		ug/L		109	58 - 131
tert-Butylbenzene	ND		50.0	55.6		ug/L		111	54 - 146
1,1,1,2-Tetrachloroethane	ND		50.0	54.5		ug/L		109	59 - 137
1,1,2,2-Tetrachloroethane	ND		50.0	55.6		ug/L		111	66 - 135
Tetrachloroethene	ND		50.0	53.4		ug/L		107	52 - 133
Toluene	ND		50.0	55.3		ug/L		111	65 - 130
trans-1,2-Dichloroethene	ND		50.0	53.0		ug/L		106	61 - 143
trans-1,3-Dichloropropene	ND		50.0	54.2		ug/L		108	53 - 133
1,2,3-Trichlorobenzene	ND		50.0	56.0		ug/L		112	43 - 145
1,2,4-Trichlorobenzene	ND		50.0	57.2		ug/L		114	39 - 148
1,1,1-Trichloroethane	ND		50.0	54.2		ug/L		108	57 - 142
1,1,2-Trichloroethane	ND		50.0	55.1		ug/L		110	66 - 131
Trichloroethene	ND		50.0	55.6		ug/L		111	64 - 136
Trichlorofluoromethane	ND		40.0	44.7		ug/L		112	54 - 156
1,2,3-Trichloropropane	ND		50.0	54.3		ug/L		109	65 - 133
1,2,4-Trimethylbenzene	ND		50.0	52.2		ug/L		104	50 - 139
1,3,5-Trimethylbenzene	ND		50.0	55.4		ug/L		111	52 - 135
Vinyl acetate	ND		80.0	86.2		ug/L		108	26 - 160
Vinyl chloride	ND		40.0	46.9		ug/L		117	46 - 152
Xylenes, Total	ND		100	111		ug/L		111	59 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*102*		*78 - 118*
Dibromofluoromethane	*100*		*81 - 121*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: 400-124815-A-1 MSD
Matrix: Water
Analysis Batch: 315584

Client Sample ID: Matrix Spike Duplicate
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	178		ug/L		89	43 - 160	7	30
Acrolein	ND		400	452		ug/L		113	38 - 160	3	31
Acrylonitrile	ND		500	533		ug/L		107	62 - 149	8	30
Benzene	ND		50.0	50.4		ug/L		101	56 - 142	8	30
Bromobenzene	ND		50.0	49.4		ug/L		99	59 - 136	10	30
Bromochloromethane	ND		50.0	48.4		ug/L		97	64 - 140	8	30
Bromodichloromethane	ND		50.0	49.3		ug/L		99	59 - 143	8	30
Bromoform	ND		50.0	48.8		ug/L		98	50 - 140	8	30
Bromomethane	ND		40.0	35.3		ug/L		88	10 - 160	2	50
2-Butanone (MEK)	ND		200	198		ug/L		99	55 - 150	8	30
Carbon disulfide	ND		50.0	48.5		ug/L		97	48 - 152	8	30
Carbon tetrachloride	ND		50.0	47.2		ug/L		94	55 - 145	7	30
Chlorobenzene	ND		50.0	52.0		ug/L		104	64 - 130	9	30
Dibromochloromethane	ND		50.0	48.7		ug/L		97	56 - 143	9	30
Chloroethane	ND		40.0	44.3		ug/L		111	50 - 151	3	30

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

Lab Sample ID: 400-124815-A-1 MSD
Matrix: Water
Analysis Batch: 315584

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Chloroethyl vinyl ether	ND	F1 *	40.0	ND	F1	ug/L		0	10 - 160	NC	50
Chloroform	ND		50.0	48.8		ug/L		98	60 - 141	9	30
1-Chlorohexane	ND		50.0	50.7		ug/L		101	56 - 136	9	30
Chloromethane	ND		40.0	47.0		ug/L		117	49 - 148	2	31
cis-1,2-Dichloroethene	ND		50.0	49.4		ug/L		99	59 - 143	7	30
cis-1,3-Dichloropropene	ND		50.0	50.5		ug/L		101	57 - 140	8	30
1,2-Dichlorobenzene	ND		50.0	50.0		ug/L		100	52 - 137	9	30
1,3-Dichlorobenzene	ND		50.0	50.0		ug/L		100	54 - 135	10	30
1,4-Dichlorobenzene	ND		50.0	51.2		ug/L		102	53 - 135	11	30
Dichlorodifluoromethane	ND		40.0	48.0		ug/L		120	16 - 160	3	31
1,1-Dichloroethane	ND		50.0	50.2		ug/L		100	61 - 144	8	30
1,2-Dichloroethane	ND		50.0	49.4		ug/L		99	60 - 141	8	30
1,1-Dichloroethene	ND		50.0	50.8		ug/L		102	54 - 147	4	30
1,2-Dichloropropane	ND		50.0	48.9		ug/L		98	66 - 137	8	30
1,3-Dichloropropane	ND		50.0	50.2		ug/L		100	66 - 133	8	30
2,2-Dichloropropane	ND		50.0	46.6		ug/L		93	42 - 144	8	31
1,1-Dichloropropene	ND		50.0	50.5		ug/L		101	65 - 136	7	30
Ethylbenzene	ND		50.0	50.4		ug/L		101	58 - 131	9	30
Ethyl methacrylate	ND		50.0	50.6		ug/L		101	64 - 130	9	30
Hexachlorobutadiene	ND		50.0	49.6		ug/L		99	31 - 149	12	36
2-Hexanone	ND		200	207		ug/L		104	65 - 140	8	30
Isopropylbenzene	1.3		50.0	52.1		ug/L		102	56 - 133	9	30
Methylene bromide	ND		50.0	49.8		ug/L		100	63 - 138	7	30
Methylene Chloride	ND		50.0	48.5		ug/L		97	60 - 146	8	32
4-Methyl-2-pentanone (MIBK)	ND		200	217		ug/L		108	63 - 146	6	30
Methyl tert-butyl ether	ND		50.0	49.0		ug/L		98	59 - 137	8	30
m-Xylene & p-Xylene	ND		50.0	49.9		ug/L		100	57 - 130	11	30
Naphthalene	ND		50.0	49.7		ug/L		99	25 - 160	8	30
n-Butylbenzene	ND		50.0	48.4		ug/L		97	41 - 142	12	31
N-Propylbenzene	2.1		50.0	49.9		ug/L		96	51 - 138	10	30
o-Chlorotoluene	ND		50.0	46.5		ug/L		93	53 - 134	11	30
o-Xylene	ND		50.0	50.2		ug/L		100	61 - 130	10	30
p-Chlorotoluene	ND		50.0	49.2		ug/L		98	54 - 133	9	30
p-Isopropyltoluene	ND		50.0	48.3		ug/L		97	48 - 139	11	30
sec-Butylbenzene	ND		50.0	47.5		ug/L		95	50 - 138	11	30
Styrene	ND		50.0	49.6		ug/L		99	58 - 131	9	30
tert-Butylbenzene	ND		50.0	50.6		ug/L		101	54 - 146	9	30
1,1,1,2-Tetrachloroethane	ND		50.0	49.4		ug/L		99	59 - 137	10	30
1,1,2,2-Tetrachloroethane	ND		50.0	50.8		ug/L		102	66 - 135	9	30
Tetrachloroethene	ND		50.0	48.5		ug/L		97	52 - 133	10	30
Toluene	ND		50.0	50.2		ug/L		100	65 - 130	10	30
trans-1,2-Dichloroethene	ND		50.0	48.1		ug/L		96	61 - 143	10	30
trans-1,3-Dichloropropene	ND		50.0	49.6		ug/L		99	53 - 133	9	30
1,2,3-Trichlorobenzene	ND		50.0	51.4		ug/L		103	43 - 145	8	30
1,2,4-Trichlorobenzene	ND		50.0	51.5		ug/L		103	39 - 148	11	30
1,1,1-Trichloroethane	ND		50.0	50.0		ug/L		100	57 - 142	8	30
1,1,2-Trichloroethane	ND		50.0	50.7		ug/L		101	66 - 131	8	30
Trichloroethene	ND		50.0	51.0		ug/L		102	64 - 136	9	30

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

Lab Sample ID: 400-124815-A-1 MSD
Matrix: Water
Analysis Batch: 315584

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Trichlorofluoromethane	ND		40.0	43.7		ug/L		109	54 - 156	2	30
1,2,3-Trichloropropane	ND		50.0	51.3		ug/L		103	65 - 133	6	30
1,2,4-Trimethylbenzene	ND		50.0	46.5		ug/L		93	50 - 139	12	30
1,3,5-Trimethylbenzene	ND		50.0	50.6		ug/L		101	52 - 135	9	30
Vinyl acetate	ND		80.0	85.3		ug/L		107	26 - 160	1	33
Vinyl chloride	ND		40.0	46.1		ug/L		115	46 - 152	2	30
Xylenes, Total	ND		100	100		ug/L		100	59 - 130	10	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*78 - 118*
Dibromofluoromethane	*101*		*81 - 121*
Toluene-d8 (Surr)	*99*		*80 - 120*

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

Lab Sample ID: MB 400-315114/1-A
Matrix: Water
Analysis Batch: 315708

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 315114

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		07/20/16 16:29	07/26/16 17:31	1
Benzenethiol	ND		10	1.7	ug/L		07/20/16 16:29	07/26/16 17:31	1
Benzoic acid	ND		30	7.3	ug/L		07/20/16 16:29	07/26/16 17:31	1
Benzyl alcohol	ND		10	2.0	ug/L		07/20/16 16:29	07/26/16 17:31	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		07/20/16 16:29	07/26/16 17:31	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		07/20/16 16:29	07/26/16 17:31	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		07/20/16 16:29	07/26/16 17:31	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		07/20/16 16:29	07/26/16 17:31	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		07/20/16 16:29	07/26/16 17:31	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		07/20/16 16:29	07/26/16 17:31	1
4-Chloroaniline	ND		10	3.4	ug/L		07/20/16 16:29	07/26/16 17:31	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		07/20/16 16:29	07/26/16 17:31	1
2-Chloronaphthalene	ND		10	0.52	ug/L		07/20/16 16:29	07/26/16 17:31	1
2-Chlorophenol	ND		10	2.2	ug/L		07/20/16 16:29	07/26/16 17:31	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		07/20/16 16:29	07/26/16 17:31	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		07/20/16 16:29	07/26/16 17:31	1
Dibenzofuran	ND		10	0.52	ug/L		07/20/16 16:29	07/26/16 17:31	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		07/20/16 16:29	07/26/16 17:31	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		07/20/16 16:29	07/26/16 17:31	1
Diethyl phthalate	ND		10	0.70	ug/L		07/20/16 16:29	07/26/16 17:31	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		07/20/16 16:29	07/26/16 17:31	1
Dimethyl phthalate	ND		10	0.60	ug/L		07/20/16 16:29	07/26/16 17:31	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		07/20/16 16:29	07/26/16 17:31	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/20/16 16:29	07/26/16 17:31	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		07/20/16 16:29	07/26/16 17:31	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		07/20/16 16:29	07/26/16 17:31	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		07/20/16 16:29	07/26/16 17:31	1
Di-n-octyl phthalate	0.809	J	10	0.44	ug/L		07/20/16 16:29	07/26/16 17:31	1

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

Lab Sample ID: MB 400-315114/1-A
Matrix: Water
Analysis Batch: 315708

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 315114

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		10	1.0	ug/L		07/20/16 16:29	07/26/16 17:31	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		07/20/16 16:29	07/26/16 17:31	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/20/16 16:29	07/26/16 17:31	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		07/20/16 16:29	07/26/16 17:31	1
Hexachloroethane	ND		10	4.2	ug/L		07/20/16 16:29	07/26/16 17:31	1
Indene	ND		10	1.0	ug/L		07/20/16 16:29	07/26/16 17:31	1
Isophorone	ND		10	0.57	ug/L		07/20/16 16:29	07/26/16 17:31	1
2-Methylphenol	ND		10	1.8	ug/L		07/20/16 16:29	07/26/16 17:31	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		07/20/16 16:29	07/26/16 17:31	1
2-Nitroaniline	ND		10	2.2	ug/L		07/20/16 16:29	07/26/16 17:31	1
3-Nitroaniline	ND		10	1.8	ug/L		07/20/16 16:29	07/26/16 17:31	1
4-Nitroaniline	ND		10	2.5	ug/L		07/20/16 16:29	07/26/16 17:31	1
Nitrobenzene	ND		10	0.55	ug/L		07/20/16 16:29	07/26/16 17:31	1
2-Nitrophenol	ND		10	0.65	ug/L		07/20/16 16:29	07/26/16 17:31	1
4-Nitrophenol	ND		10	2.1	ug/L		07/20/16 16:29	07/26/16 17:31	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		07/20/16 16:29	07/26/16 17:31	1
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		07/20/16 16:29	07/26/16 17:31	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		07/20/16 16:29	07/26/16 17:31	1
Pentachlorophenol	ND		20	1.8	ug/L		07/20/16 16:29	07/26/16 17:31	1
Phenol	ND		10	2.6	ug/L		07/20/16 16:29	07/26/16 17:31	1
Pyridine	ND		10	3.2	ug/L		07/20/16 16:29	07/26/16 17:31	1
Quinoline	ND		10	6.0	ug/L		07/20/16 16:29	07/26/16 17:31	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		07/20/16 16:29	07/26/16 17:31	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		07/20/16 16:29	07/26/16 17:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*51*		*34 - 120*	*07/20/16 16:29*	*07/26/16 17:31*	*1*
2-Fluorophenol	*50*		*10 - 120*	*07/20/16 16:29*	*07/26/16 17:31*	*1*
Nitrobenzene-d5	*56*		*27 - 120*	*07/20/16 16:29*	*07/26/16 17:31*	*1*
Phenol-d5	*61*		*10 - 120*	*07/20/16 16:29*	*07/26/16 17:31*	*1*
Terphenyl-d14	*53*		*53 - 125*	*07/20/16 16:29*	*07/26/16 17:31*	*1*
2,4,6-Tribromophenol	*31*		*15 - 135*	*07/20/16 16:29*	*07/26/16 17:31*	*1*

Lab Sample ID: LCS 400-315114/2-A
Matrix: Water
Analysis Batch: 315708

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 315114

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aniline	30.0	18.0		ug/L		60	10 - 145
Benzoic acid	121	23.0	J	ug/L		19	10 - 120
Benzyl alcohol	30.0	14.2	*	ug/L		47	51 - 121
Bis(2-chloroethoxy)methane	30.0	21.5		ug/L		72	54 - 123
Bis(2-chloroethyl)ether	30.0	23.0		ug/L		77	47 - 120
bis (2-chloroisopropyl) ether	30.0	23.4		ug/L		78	20 - 142
Bis(2-ethylhexyl) phthalate	30.0	21.4		ug/L		71	62 - 140
4-Bromophenyl phenyl ether	30.0	21.9		ug/L		73	62 - 132
Butyl benzyl phthalate	30.0	21.0		ug/L		70	51 - 150

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

Lab Sample ID: LCS 400-315114/2-A
Matrix: Water
Analysis Batch: 315708

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 315114

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Chloroaniline	30.0	19.1		ug/L		64	32 - 128
4-Chloro-3-methylphenol	30.0	23.8		ug/L		79	47 - 135
2-Chloronaphthalene	30.0	19.6		ug/L		65	24 - 150
2-Chlorophenol	30.0	20.8		ug/L		69	45 - 120
4-Chlorophenyl phenyl ether	30.0	20.2		ug/L		67	61 - 133
Dibenz[a,h]acridine	30.0	27.4		ug/L		91	60 - 131
Dibenzofuran	30.0	19.9		ug/L		66	62 - 124
3,3'-Dichlorobenzidine	40.0	29.1		ug/L		73	16 - 167
2,4-Dichlorophenol	30.0	22.4		ug/L		75	52 - 125
Diethyl phthalate	30.0	21.7		ug/L		72	55 - 140
2,4-Dimethylphenol	30.0	22.6		ug/L		75	52 - 121
Dimethyl phthalate	30.0	20.7		ug/L		69	50 - 133
Di-n-butyl phthalate	30.0	22.3		ug/L		74	59 - 144
4,6-Dinitro-ortho-cresol	60.0	8.01	J *	ug/L		13	46 - 136
2,4-Dinitrophenol	101	72.0		ug/L		71	22 - 146
2,4-Dinitrotoluene	30.0	22.3		ug/L		74	54 - 141
2,6-Dinitrotoluene	30.0	20.8		ug/L		69	61 - 130
Di-n-octyl phthalate	30.0	21.4		ug/L		71	55 - 140
1,4-Dioxane	30.0	13.9		ug/L		46	10 - 130
1,2-Diphenylhydrazine (as Azobenzene)	30.0	21.9		ug/L		73	55 - 139
Hexachlorobenzene	30.0	22.7		ug/L		76	60 - 138
Hexachlorocyclopentadiene	30.0	12.6	J	ug/L		42	1 - 139
Hexachloroethane	30.0	18.0		ug/L		60	46 - 121
Indene	30.0	23.4		ug/L		78	17 - 141
Isophorone	30.0	22.1		ug/L		74	57 - 122
2-Methylphenol	30.0	25.7		ug/L		86	38 - 121
3 & 4 Methylphenol	30.0	27.6		ug/L		92	43 - 126
2-Nitroaniline	30.0	25.2		ug/L		84	52 - 135
3-Nitroaniline	30.0	23.7		ug/L		79	51 - 128
4-Nitroaniline	30.0	25.3		ug/L		84	38 - 141
Nitrobenzene	30.0	21.9		ug/L		73	52 - 128
2-Nitrophenol	30.0	20.3		ug/L		68	47 - 129
4-Nitrophenol	60.0	45.5		ug/L		76	34 - 137
N-Nitrosodimethylamine	30.0	25.0		ug/L		83	21 - 134
N-Nitrosodi-n-propylamine	30.0	24.2		ug/L		81	41 - 143
N-Nitrosodiphenylamine	30.0	19.9		ug/L		66	10 - 185
Pentachlorophenol	60.0	35.7		ug/L		60	38 - 138
Phenol	30.0	24.9		ug/L		83	37 - 120
Pyridine	30.0	16.3		ug/L		54	10 - 127
Quinoline	30.0	25.4		ug/L		85	10 - 164
2,4,5-Trichlorophenol	30.0	22.0		ug/L		73	53 - 130
2,4,6-Trichlorophenol	30.0	20.4		ug/L		68	52 - 131

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*71*		*34 - 120*
2-Fluorophenol	*73*		*10 - 120*
Nitrobenzene-d5	*76*		*27 - 120*

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

Lab Sample ID: LCS 400-315114/2-A
Matrix: Water
Analysis Batch: 315708

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 315114

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Phenol-d5	*83*		*10 - 120*
Terphenyl-d14	*71*		*53 - 125*
2,4,6-Tribromophenol	*82*		*15 - 135*

Lab Sample ID: LCS 400-315114/4-A
Matrix: Water
Analysis Batch: 315708

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 315114

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzenethiol	100	29.2		ug/L		29	20 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*58*		*34 - 120*
2-Fluorophenol	*47*		*10 - 120*
Nitrobenzene-d5	*65*		*27 - 120*
Phenol-d5	*67*		*10 - 120*
Terphenyl-d14	*64*		*53 - 125*
2,4,6-Tribromophenol	*46*		*15 - 135*

Lab Sample ID: LCSD 400-315114/3-A
Matrix: Water
Analysis Batch: 315708

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 315114

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aniline	30.0	16.4		ug/L		55	10 - 145	9	30
Bis(2-chloroethoxy)methane	30.0	18.7		ug/L		62	54 - 123	14	30
Bis(2-chloroethyl)ether	30.0	20.1		ug/L		67	47 - 120	13	30
bis (2-chloroisopropyl) ether	30.0	20.8		ug/L		69	20 - 142	12	30
Butyl benzyl phthalate	30.0	18.1		ug/L		60	51 - 150	15	30
4-Chloroaniline	30.0	16.6		ug/L		55	32 - 128	14	30
4-Chloro-3-methylphenol	30.0	20.5		ug/L		68	47 - 135	15	30
2-Chloronaphthalene	30.0	17.1		ug/L		57	24 - 150	14	30
2-Chlorophenol	30.0	17.6		ug/L		59	45 - 120	17	30
Dibenz[a,h]acridine	30.0	22.0		ug/L		73	60 - 131	22	30
3,3'-Dichlorobenzidine	40.0	24.8		ug/L		62	16 - 167	16	30
2,4-Dichlorophenol	30.0	19.0		ug/L		63	52 - 125	16	30
Diethyl phthalate	30.0	18.7		ug/L		62	55 - 140	15	30
2,4-Dimethylphenol	30.0	19.3		ug/L		64	52 - 121	16	30
Dimethyl phthalate	30.0	17.6		ug/L		59	50 - 133	17	30
Di-n-butyl phthalate	30.0	18.9		ug/L		63	59 - 144	16	30
4,6-Dinitro-ortho-cresol	60.0	29.4	*	ug/L		49	46 - 136	114	30
2,4-Dinitrotoluene	30.0	18.9		ug/L		63	54 - 141	16	30
Di-n-octyl phthalate	30.0	19.0		ug/L		63	55 - 140	12	30
1,4-Dioxane	30.0	12.3		ug/L		41	10 - 130	13	30
1,2-Diphenylhydrazine (as Azobenzene)	30.0	18.6		ug/L		62	55 - 139	16	30
Hexachlorobenzene	30.0	19.0		ug/L		63	60 - 138	18	30
Hexachlorocyclopentadiene	30.0	9.66	J	ug/L		32	1 - 139	26	30

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

Lab Sample ID: LCSD 400-315114/3-A
Matrix: Water
Analysis Batch: 315708

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 315114

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Hexachloroethane	30.0	15.3		ug/L		51	46 - 121	16	30
Indene	30.0	19.2		ug/L		64	17 - 141	19	30
Isophorone	30.0	19.0		ug/L		63	57 - 122	15	30
2-Methylphenol	30.0	22.8		ug/L		76	38 - 121	12	30
3 & 4 Methylphenol	30.0	25.4		ug/L		85	43 - 126	9	30
2-Nitroaniline	30.0	21.3		ug/L		71	52 - 135	17	30
3-Nitroaniline	30.0	20.5		ug/L		68	51 - 128	14	30
4-Nitroaniline	30.0	21.5		ug/L		72	38 - 141	16	30
Nitrobenzene	30.0	18.7		ug/L		62	52 - 128	16	30
2-Nitrophenol	30.0	17.4		ug/L		58	47 - 129	15	30
N-Nitrosodimethylamine	30.0	21.7		ug/L		72	21 - 134	14	30
N-Nitrosodi-n-propylamine	30.0	21.0		ug/L		70	41 - 143	14	30
N-Nitrosodiphenylamine	30.0	16.7		ug/L		56	10 - 185	17	30
Pentachlorophenol	60.0	28.4		ug/L		47	38 - 138	23	30
Phenol	30.0	21.4		ug/L		71	37 - 120	15	30
Pyridine	30.0	14.9		ug/L		50	10 - 127	9	30
Quinoline	30.0	20.9		ug/L		70	10 - 164	19	30
2,4,5-Trichlorophenol	30.0	18.7		ug/L		62	53 - 130	16	30
2,4,6-Trichlorophenol	30.0	17.3		ug/L		58	52 - 131	17	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*56*		*34 - 120*
2-Fluorophenol	*54*		*10 - 120*
Nitrobenzene-d5	*61*		*27 - 120*
Phenol-d5	*67*		*10 - 120*
Terphenyl-d14	*56*		*53 - 125*
2,4,6-Tribromophenol	*64*		*15 - 135*

Lab Sample ID: LCSD 400-315114/3-A
Matrix: Water
Analysis Batch: 315977

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 315114

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzoic acid	121	19.0	J	ug/L		16	10 - 120	19	30
Benzyl alcohol	30.0	17.6		ug/L		59	51 - 121	21	30
Bis(2-ethylhexyl) phthalate	30.0	21.5		ug/L		72	62 - 140	0	30
4-Bromophenyl phenyl ether	30.0	22.4		ug/L		75	62 - 132	3	30
4-Chlorophenyl phenyl ether	30.0	21.9		ug/L		73	61 - 133	8	30
Dibenzofuran	30.0	21.3		ug/L		71	62 - 124	7	30
2,4-Dinitrophenol	101	55.5		ug/L		55	22 - 146	26	30
2,6-Dinitrotoluene	30.0	23.6		ug/L		79	61 - 130	13	30
4-Nitrophenol	60.0	36.8		ug/L		61	34 - 137	21	30

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

Lab Sample ID: LCSD 400-315114/5-A
Matrix: Water
Analysis Batch: 315708

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 315114

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzenethiol	100	37.4		ug/L		37	20 - 150	25	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*53*		*34 - 120*
2-Fluorophenol	*48*		*10 - 120*
Nitrobenzene-d5	*59*		*27 - 120*
Phenol-d5	*63*		*10 - 120*
Terphenyl-d14	*57*		*53 - 125*
2,4,6-Tribromophenol	*38*		*15 - 135*

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

Lab Sample ID: MB 400-315114/1-A
Matrix: Water
Analysis Batch: 315542

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 315114

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.020	ug/L		07/20/16 16:29	07/23/16 02:45	1
Acenaphthylene	ND		0.20	0.020	ug/L		07/20/16 16:29	07/23/16 02:45	1
Anthracene	ND		0.20	0.020	ug/L		07/20/16 16:29	07/23/16 02:45	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/20/16 16:29	07/23/16 02:45	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		07/20/16 16:29	07/23/16 02:45	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		07/20/16 16:29	07/23/16 02:45	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		07/20/16 16:29	07/23/16 02:45	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/20/16 16:29	07/23/16 02:45	1
Chrysene	ND		0.20	0.040	ug/L		07/20/16 16:29	07/23/16 02:45	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		07/20/16 16:29	07/23/16 02:45	1
Fluoranthene	ND		0.20	0.020	ug/L		07/20/16 16:29	07/23/16 02:45	1
Fluorene	ND		0.20	0.021	ug/L		07/20/16 16:29	07/23/16 02:45	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		07/20/16 16:29	07/23/16 02:45	1
Phenanthrene	ND		0.20	0.020	ug/L		07/20/16 16:29	07/23/16 02:45	1
Pyrene	ND		0.20	0.020	ug/L		07/20/16 16:29	07/23/16 02:45	1
1-Methylnaphthalene	ND		0.20	0.020	ug/L		07/20/16 16:29	07/23/16 02:45	1
2-Methylnaphthalene	ND		0.20	0.020	ug/L		07/20/16 16:29	07/23/16 02:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*76*		*33 - 138*	*07/20/16 16:29*	*07/23/16 02:45*	*1*
2-Fluorobiphenyl	*59*		*15 - 122*	*07/20/16 16:29*	*07/23/16 02:45*	*1*
Nitrobenzene-d5	*58*		*19 - 130*	*07/20/16 16:29*	*07/23/16 02:45*	*1*

Lab Sample ID: LCS 400-315114/2-A
Matrix: Water
Analysis Batch: 315542

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 315114

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	30.0	21.4		ug/L		71	41 - 120
Acenaphthylene	30.0	20.9		ug/L		70	44 - 120

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

Lab Sample ID: LCS 400-315114/2-A
Matrix: Water
Analysis Batch: 315542

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 315114

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Anthracene	30.0	22.3		ug/L		74	49 - 120
Benzo[a]anthracene	30.0	22.4		ug/L		75	61 - 135
Benzo[a]pyrene	30.0	22.8		ug/L		76	52 - 120
Benzo[b]fluoranthene	30.0	24.0		ug/L		80	53 - 134
Benzo[g,h,i]perylene	30.0	22.2		ug/L		74	47 - 133
Benzo[k]fluoranthene	30.0	19.7		ug/L		66	57 - 134
Chrysene	30.0	21.5		ug/L		72	55 - 122
Dibenz(a,h)anthracene	30.0	22.5		ug/L		75	48 - 146
Fluoranthene	30.0	24.8		ug/L		83	54 - 128
Fluorene	30.0	23.7		ug/L		79	45 - 125
Indeno[1,2,3-cd]pyrene	30.0	22.4		ug/L		75	43 - 142
Phenanthrene	30.0	17.6		ug/L		59	48 - 120
Pyrene	30.0	20.2		ug/L		67	48 - 132
1-Methylnaphthalene	30.0	21.1		ug/L		70	41 - 120
2-Methylnaphthalene	30.0	20.8		ug/L		69	32 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Terphenyl-d14	*80*		*33 - 138*
2-Fluorobiphenyl	*81*		*15 - 122*
Nitrobenzene-d5	*76*		*19 - 130*

Lab Sample ID: LCSD 400-315114/3-A
Matrix: Water
Analysis Batch: 315542

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 315114

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	30.0	19.3		ug/L		64	41 - 120	10	56
Acenaphthylene	30.0	19.3		ug/L		64	44 - 120	8	56
Anthracene	30.0	20.7		ug/L		69	49 - 120	7	51
Benzo[a]anthracene	30.0	20.3		ug/L		68	61 - 135	10	49
Benzo[a]pyrene	30.0	21.2		ug/L		71	52 - 120	7	50
Benzo[b]fluoranthene	30.0	21.9		ug/L		73	53 - 134	10	54
Benzo[g,h,i]perylene	30.0	20.8		ug/L		69	47 - 133	7	50
Benzo[k]fluoranthene	30.0	17.9		ug/L		60	57 - 134	10	52
Chrysene	30.0	19.6		ug/L		65	55 - 122	9	50
Dibenz(a,h)anthracene	30.0	21.6		ug/L		72	48 - 146	4	50
Fluoranthene	30.0	23.2		ug/L		77	54 - 128	7	52
Fluorene	30.0	21.5		ug/L		72	45 - 125	9	56
Indeno[1,2,3-cd]pyrene	30.0	21.6		ug/L		72	43 - 142	4	51
Phenanthrene	30.0	16.1		ug/L		54	48 - 120	9	56
Pyrene	30.0	18.4		ug/L		61	48 - 132	9	52
1-Methylnaphthalene	30.0	19.4		ug/L		65	41 - 120	8	55
2-Methylnaphthalene	30.0	19.2		ug/L		64	32 - 124	8	57

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Terphenyl-d14	*62*		*33 - 138*
2-Fluorobiphenyl	*67*		*15 - 122*

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

Lab Sample ID: LCSD 400-315114/3-A
Matrix: Water
Analysis Batch: 315542

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 315114

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Nitrobenzene-d5	*62*		*19 - 130*

Method: 8011 - EDB and DBCP in Water by Microextraction

Lab Sample ID: MB 400-315511/1-A
Matrix: Water
Analysis Batch: 315814

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 315511

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		07/24/16 10:44	07/25/16 21:33	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		07/24/16 10:44	07/25/16 21:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*		*51 - 149*	*07/24/16 10:44*	*07/25/16 21:33*	*1*

Lab Sample ID: LCS 400-315511/2-A
Matrix: Water
Analysis Batch: 315814

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 315511

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	0.100	0.0944		ug/L		94	60 - 140
1,2-Dibromoethane	0.100	0.0984		ug/L		98	60 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*88*		*51 - 149*

Lab Sample ID: LCSD 400-315511/3-A
Matrix: Water
Analysis Batch: 315814

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 315511

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane	0.100	0.0942		ug/L		94	60 - 140	0	30
1,2-Dibromoethane	0.100	0.109		ug/L		109	60 - 140	10	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 # 13645889 (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
Bob Billman	25278
PO #	GSAP Project ID
60477387 - 1.03.003 / 1.03.0033	USPC/00114/R/02

☐ CHECK IF NO INCIDENT # APPLIES
DATE: 14 July 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 - 1.03.003 / 1.03.0033
ADDRESS: 1001 HIGHLANDS PLAZA DRIVE WEST - SUITE 300; ST. LOUIS, MO 63110
EDF DELIVERABLE TO (Name, Company, Office Location):
PHONE NO.:
E-MAIL:
AECOM Other ID:
PROJECT CONTACT (Hardcopy or PDF Report to): Elizabeth Kunkel, Bob Billman, Lindsay Rathnow
SAMPLER NAME(S) (Print): J. Peters / C. Williams
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

☐ 1A - RWQCB REPORT FORMAT

DELIVERABLES: ☑ LLEVEL 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

☑ 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 - 1.03.0033: VOC 8011	PAH 8270LL	NON-UNIT COST 60477387 - 1.03.003: VOC 8260	SVOC 8270	Container PID Readings or Laboratory Notes
	TB-ROX-071416W-8011	7/14/16	0000	Water	2					2	X				
	TB-ROX-071416W-8260		0000		2					2			X		
	MW4-ROX-071416		1025		4			2		6	2	1		2	1
	MW8-ROX-071416		1330		4			2		6	2	1		2	1
	MW7-ROX-071416	↓	1535	↓	4			2		6	2	1		2	1

FIELD NOTES:
TEMPERATURE ON RECEIPT C°: 3.0, 2.4, 1.5 IR6.

400-124556 COC

14 July 2016

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
		14 July 2016	1730
Relinquished by: (Signature)	Received by: (Signature)	Date: 7/15/16	Time: 936
Relinquished by: (Signature)	Received by: (Signature)		

Ref: S400-56444
Dep:
Date: 20Jun16
Wgt: 10.00 LBS
DV: 0.00

SHIPPING: 0.00
SPECIAL: 0.00
HANDLING: 0.00
TOTAL: 0.00

Svcs: PRIORITY OVERNIGHT
TRCK: 6546 8386 3738

Custody seals: Test America
743261 | 784702 | 784704
784701 | 784703 | 784705

Login Sample Receipt Checklist

Client: AECOM Technical Services Inc.

Job Number: 400-124556-1
SDG Number: 60477387 - 1.03.003/1.03.0033

Login Number: 124556
List Number: 1
Creator: Kovitch, Christina 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	3.0°C,2.4°C,1.5C° - IR#6
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	
Samples are received within Holding Time (excluding tests with immediate HTs)	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.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

Certification Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 3Q16

TestAmerica Job ID: 400-124556-1
SDG: 60477387 - 1.03.003/1.03.0033

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	06-30-17
Arizona	State Program	9	AZ0710	01-11-17
Arkansas DEQ	State Program	6	88-0689	09-01-16
California	ELAP	9	2510	03-31-18
Florida	NELAP	4	E81010	06-30-17
Georgia	State Program	4	N/A	06-30-17
Illinois	NELAP	5	200041	10-09-16
Iowa	State Program	7	367	07-31-16 *
Kansas	NELAP	7	E-10253	10-31-16
Kentucky (UST)	State Program	4	53	06-30-17
Kentucky (WW)	State Program	4	98030	12-31-16
Louisiana	NELAP	6	30976	06-30-17
Maryland	State Program	3	233	09-30-17
Massachusetts	State Program	1	M-FL094	06-30-16 *
Michigan	State Program	5	9912	05-06-17
New Jersey	NELAP	2	FL006	06-30-17
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	06-30-17
Texas	NELAP	6	T104704286-15-9	09-30-16
USDA	Federal		P330-16-00172	05-24-19
Virginia	NELAP	3	460166	06-14-17
Washington	State Program	10	C915	05-15-17
West Virginia DEP	State Program	3	136	08-31-16

* Certification renewal pending - certification considered valid.

Roxana Groundwater Quarterly – 3rd Quarter 2016 Data Review

Laboratory SDG: 400-124559-1

Data Reviewer: Melissa Mansker

Peer Reviewer: Elizabeth Kunkel

Date Reviewed: 8/17/2016

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

Sample Identification	Sample Identification
TB-ROX-071416R-8011	TB-ROX-071416R-8260
MW28-ROX-071416	ROST3MW-ROX-071416
MW1-ROX-071416	MW2-ROX-071416

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 di-n-octyl phthalate was detected in the method blank. Several VOC and SVOC LCS/LCSD recoveries and SVOC LCS/LCSD RPDs were outside evaluation criteria. The SVOC and PAH surrogate recovery for terphenyl-d_{14} and the VOC by 8011 surrogate recovery for 4-bromofluorobenzene were outside criteria in sample MW2-ROX-071416. The Method 8260 VOC MS/MSD recoveries for 2-chloroethyl vinyl ether were outside evaluation criteria in sample MW28-ROX-071416. Although not indicated in the laboratory case narrative, VOCs in sample MW2-ROX-071416 were minimally diluted due to high levels of target analytes. These issues are addressed further in the appropriate sections below.

Additionally, the continuing calibration verification for 2-chloroethyl vinyl ether, 1,4-dioxane, aniline, benzyl alcohol, 4-chloro-3-methylphenol, 4-bromophenyl phenyl ether, and hexachlorobenzene exceeded evaluation criteria. 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 three coolers was received by the laboratory at a temperature of 1.5°C, which is outside the 4ºC ± 2ºC criteria. Samples were received in good condition; therefore, no qualification of data was required. Additionally, sample MW7-ROX-071416-Dup was unintentionally omitted from the COC, however the laboratory correctly logged in and analyzed the sample according to sample container designations; 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 400-315114/1-A	SVOCs	Di-n-octyl phthalate	0.809 µg/L

Qualifications due to blank contamination are included in the table below. Analytical data that were reported non-detect or at concentrations greater than five times (5X) the associated blank concentration did not require qualification.

Sample ID	Parameter	Analyte	New Reporting Limit (RL)	Qualification
MW28-ROX-071416	SVOCs	Di-n-octyl phthalate	-	**U**
ROST3MW-ROX-071416	SVOCs	Di-n-octyl phthalate	-	**U**
MW1-ROX-071416	SVOCs	Di-n-octyl phthalate	-	**U**
MW2-ROX-071416	SVOCs	Di-n-octyl phthalate	-	**U**

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 400-315486/1002	VOCs	2-Chloroethyl vinyl ether	**289**	NA	10-160
LCS/LCSD 400-315114/2-A/3-A	SVOCs	Benzyl alcohol	**47**/59	21	51-121/30
LCS/LCSD 400-315114/2-A/3-A	SVOCs	4,6-Dinitro-ortho-cresol	**13**/49	**114**	46-136/30

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.

Sample ID	Parameter	Analyte	Qualification
MW28-ROX-071416	SVOCs	Benzyl alcohol	**UJ**
MW28-ROX-071416	SVOCs	4,6-Dinitro-ortho-cresol	**UJ**
ROST3MW-ROX-071416	SVOCs	Benzyl alcohol	**UJ**
ROST3MW-ROX-071416	SVOCs	4,6-Dinitro-ortho-cresol	**UJ**
MW1-ROX-071416	SVOCs	Benzyl alcohol	**UJ**
MW1-ROX-071416	SVOCs	4,6-Dinitro-ortho-cresol	**UJ**
MW2-ROX-071416	SVOCs	Benzyl alcohol	**UJ**
MW2-ROX-071416	SVOCs	4,6-Dinitro-ortho-cresol	**UJ**

6.0 Surrogate Recoveries

Were surrogate recoveries within evaluation criteria?

No

Sample ID	Parameter	Surrogate	Recovery (%)	Criteria (%)
MW2-ROX-071416	PAHs	Terphenyl-d_{14}	**26**	33-138
MW2-ROX-071416	SVOCs	Terphenyl-d_{14}	**39**	53-125
MW2-ROX-071416	VOCs by 8011	4-Bromofluorobenzene	**40**	51-149

Qualifications due to SVOC surrogate recoveries were not required due to only one of three base fraction surrogate recoveries outside evaluation criteria in sample MW2-ROX-071416. Analytical data that required qualification based on surrogate recovery outside evaluation criteria are included in the table below.

Sample ID	Parameter	Analyte	Qualification
MW2-ROX-071416	VOCs by 8011	1,2-Dibromo-3-chloropropane	**UJ**
MW2-ROX-071416	VOCs by 8011	1,2-Dibromoethane	**UJ**

7.0 Matrix Spike and Matrix Spike Duplicate Recoveries

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

Yes, although not requested, sample MW28-ROX-071416 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
MW28-ROX-071416	VOCs	2-Chloroethyl vinyl ether	**0/0**	**NC**	10-160/50

LCS/LCSD recoveries were within evaluation criteria, with the exception of those analytes listed in Section 5.0 of this review; 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

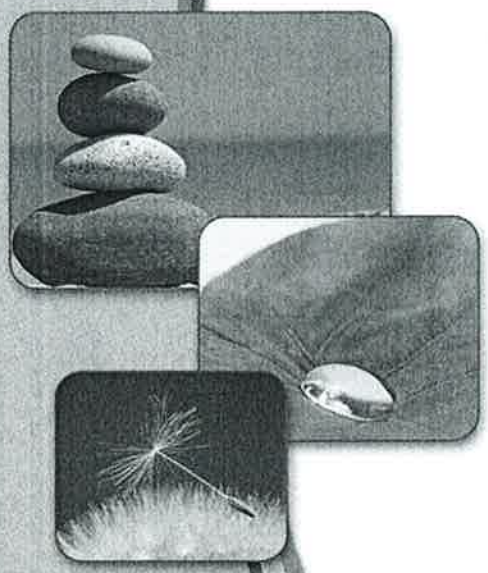
For samples that were diluted and nondetect, were undiluted results also reported?

Not applicable; analytes were detected in samples that were diluted.

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: 400-124559-1
TestAmerica SDG: 60477387 - 1.03.003/1.03.0033
Client Project/Site: ROXANA QUARTERLY GW - 3Q16

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:
7/31/2016 3:47:49 PM

Carolyn Hooper, Project Manager I
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LINKS

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Reviewed 8/17/2016

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: 400-124559-1

Laboratory: TestAmerica Pensacola

Narrative

Job Narrative
400-124559-1

Receipt
The samples were received on 7/15/2016 8:36 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 3 coolers at receipt time were 1.5°C, 2.4°C and 3.0°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: TB-ROX-071416R-8260 (400-124559-2), MW28-ROX-071416 (400-124559-3), ROST3MW-ROX-071416 (400-124559-4), MW1-ROX-071416 (400-124559-5) and MW2-ROX-071416 (400-124559-6). The requested target analyte list includes 2-chloroethyl vinyl ether, Acrolein and Acrylonitrile, which are acid-labile compounds that degrade in an acidic medium.

Method 8260B: The laboratory control sample (LCS) for analytical batch 400-315486 recovered outside control limits for one analyte. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

Method 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-315486 were outside control limits for 2-Chloroethyl vinyl ether due to the acidic nature of the parent sample.

Method 8260B: The RPD for the matrix spike / matrix spike duplicate (MS/MSD) for 2-Chloroethyl vinyl ether was not calculable for analytical batch 400-315486 because the recoveries were below the reporting limit due to the acidic nature of the parent sample.

Method 8260B: The continuing calibration verification (CCV) associated with batch 400-315486 recovered above the upper control limit for 2-chloroethyl vinyl ether. The samples associated with this CCV were non-detects for the affected analyte therefore, the data have been reported.

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

GC/MS Semi VOA
Method 8270D: The continuing calibration verification (CCV) analyzed in batch 400-315708 was outside the method criteria for the following analytes: 1,4-Dioxane and Aniline. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8270D: The continuing calibration verification (CCV) associated with batch 400-315708 recovered above the upper control limit for Benzyl alcohol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following sample is impacted: (MB 400-315114/1-A).

Method 8270D: The continuing calibration verification (CCV) associated with batch 400-315904 recovered above the upper control limit for 4-Chloro-3-methylphenol, 4-Bromophenyl phenyl ether and Hexachlorobenzene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: MW28-ROX-071416 (400-124559-3), ROST3MW-ROX-071416 (400-124559-4), MW1-ROX-071416 (400-124559-5) and MW2-ROX-071416 (400-124559-6).

Method 8270D: Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base 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: MW2-ROX-071416 (400-124559-6). These results have been reported and qualified.

Method 8270D: The following analytes recovered outside control limits for the LCS/LCSD associated with preparation batch 400-315114 and analytical batch 400-315708: 4,6-Dinitro-2-methylphenol and Benzyl alcohol. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.

Method 8270D: The method blank for preparation batch 400-315114 and analytical batch 400-315708 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

Job ID: 400-124559-1 (Continued)

Laboratory: TestAmerica Pensacola (Continued)

re-analysis of samples was not performed.

Method 8270D LL: 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: MW2-ROX-071416 (400-124559-6). 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.

GC Semi VOA

Method 8011: Surrogate recovery for the following sample was outside control limits: MW2-ROX-071416 (400-124559-6). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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 - 3Q16

TestAmerica Job ID: 400-124559-1
SDG: 60477387 - 1.03.003/1.03.0033

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-124559-1	TB-ROX-071416R-8011	Water	07/14/16 00:00	07/15/16 15:08
400-124559-2	TB-ROX-071416R-8260	Water	07/14/16 00:00	07/15/16 15:08
400-124559-3	MW28-ROX-071416	Water	07/14/16 09:35	07/15/16 15:08
400-124559-4	ROST3MW-ROX-071416	Water	07/14/16 10:25	07/15/16 15:08
400-124559-5	MW1-ROX-071416	Water	07/14/16 11:55	07/15/16 15:08
400-124559-6	MW2-ROX-071416	Water	07/14/16 14:05	07/15/16 15:08

Detection Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 3Q16

TestAmerica Job ID: 400-124559-1
SDG: 60477387 - 1.03.003/1.03.0033

Client Sample ID: TB-ROX-071416R-8011 — Lab Sample ID: 400-124559-1

No Detections.

Client Sample ID: TB-ROX-071416R-8260 — Lab Sample ID: 400-124559-2

No Detections.

Client Sample ID: MW28-ROX-071416 — Lab Sample ID: 400-124559-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	9.8		1.0	0.38	ug/L	1		8260B	Total/NA
Methyl tert-butyl ether	1.1		1.0	0.74	ug/L	1		8260B	Total/NA
Toluene	1.3		1.0	0.70	ug/L	1		8260B	Total/NA
Xylenes, Total	1.7	J	10	1.6	ug/L	1		8260B	Total/NA
Di-n-octyl phthalate	~~0.84~~	J B U	10	0.44	ug/L	1		8270D	Total/NA

Client Sample ID: ROST3MW-ROX-071416 — Lab Sample ID: 400-124559-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.7		1.0	0.38	ug/L	1		8260B	Total/NA
Ethylbenzene	4.2		1.0	0.50	ug/L	1		8260B	Total/NA
Isopropylbenzene	0.55	J	1.0	0.53	ug/L	1		8260B	Total/NA
m-Xylene & p-Xylene	4.2	J	5.0	1.6	ug/L	1		8260B	Total/NA
Naphthalene	3.5		1.0	1.0	ug/L	1		8260B	Total/NA
o-Xylene	1.7	J	5.0	0.60	ug/L	1		8260B	Total/NA
Toluene	1.5		1.0	0.70	ug/L	1		8260B	Total/NA
1,2,4-Trimethylbenzene	2.9		1.0	0.82	ug/L	1		8260B	Total/NA
Xylenes, Total	5.8	J	10	1.6	ug/L	1		8260B	Total/NA
Acenaphthene	0.079	J	0.20	0.020	ug/L	1		8270D LL	Total/NA
Fluorene	0.043	J	0.20	0.021	ug/L	1		8270D LL	Total/NA
Phenanthrene	0.11	J	0.20	0.020	ug/L	1		8270D LL	Total/NA
1-Methylnaphthalene	1.3		0.20	0.020	ug/L	1		8270D LL	Total/NA
2-Methylnaphthalene	0.77		0.20	0.020	ug/L	1		8270D LL	Total/NA
Di-n-octyl phthalate	~~0.97~~	J B U	10	0.44	ug/L	1		8270D	Total/NA

Client Sample ID: MW1-ROX-071416 — Lab Sample ID: 400-124559-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.63	J	1.0	0.38	ug/L	1		8260B	Total/NA
Toluene	1.4		1.0	0.70	ug/L	1		8260B	Total/NA
Xylenes, Total	1.6	J	10	1.6	ug/L	1		8260B	Total/NA
Di-n-octyl phthalate	~~0.86~~	J B U	10	0.44	ug/L	1		8270D	Total/NA

Client Sample ID: MW2-ROX-071416 — Lab Sample ID: 400-124559-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	12		2.0	0.76	ug/L	2		8260B	Total/NA
Ethylbenzene	260		2.0	1.0	ug/L	2		8260B	Total/NA
Isopropylbenzene	79		2.0	1.1	ug/L	2		8260B	Total/NA
m-Xylene & p-Xylene	160		10	3.2	ug/L	2		8260B	Total/NA
Naphthalene	48		2.0	2.0	ug/L	2		8260B	Total/NA
N-Propylbenzene	95		2.0	1.4	ug/L	2		8260B	Total/NA
o-Xylene	21		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 - 3Q16

TestAmerica Job ID: 400-124559-1
SDG: 60477387 - 1.03.003/1.03.0033

Client Sample ID: MW2-ROX-071416 (Continued)

Lab Sample ID: 400-124559-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
p-Isopropyltoluene	6.6		2.0	1.4	ug/L	2		8260B	Total/NA
Toluene	16		2.0	1.4	ug/L	2		8260B	Total/NA
1,2,4-Trimethylbenzene	79		2.0	1.6	ug/L	2		8260B	Total/NA
1,3,5-Trimethylbenzene	100		2.0	1.1	ug/L	2		8260B	Total/NA
Xylenes, Total	180		20	3.2	ug/L	2		8260B	Total/NA
1-Methylnaphthalene	6.8		0.20	0.020	ug/L	1		8270D LL	Total/NA
2-Methylnaphthalene	14		0.20	0.020	ug/L	1		8270D LL	Total/NA
Di-n-octyl phthalate	~~0.69~~	J B	10	0.44	ug/L	1		8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 3Q16

TestAmerica Job ID: 400-124559-1
SDG: 60477387 - 1.03.003/1.03.0033

Client Sample ID: TB-ROX-071416R-8011
Date Collected: 07/14/16 00:00
Date Received: 07/15/16 15:08

Lab Sample ID: 400-124559-1
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		07/24/16 10:44	07/26/16 05:59	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		07/24/16 10:44	07/26/16 05:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*51 - 149*	*07/24/16 10:44*	*07/26/16 05:59*	*1*

Client Sample ID: TB-ROX-071416R-8260
Date Collected: 07/14/16 00:00
Date Received: 07/15/16 15:08

Lab Sample ID: 400-124559-2
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			07/23/16 17:57	1
Acrolein	ND		20	10	ug/L			07/23/16 17:57	1
Acrylonitrile	ND		10	2.8	ug/L			07/23/16 17:57	1
Benzene	ND		1.0	0.38	ug/L			07/23/16 17:57	1
Bromobenzene	ND		1.0	0.54	ug/L			07/23/16 17:57	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/23/16 17:57	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/23/16 17:57	1
Bromoform	ND		5.0	0.71	ug/L			07/23/16 17:57	1
Bromomethane	ND		1.0	0.98	ug/L			07/23/16 17:57	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/23/16 17:57	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/23/16 17:57	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			07/23/16 17:57	1
Chlorobenzene	ND		1.0	0.50	ug/L			07/23/16 17:57	1
Dibromochloromethane	ND		1.0	0.50	ug/L			07/23/16 17:57	1
Chloroethane	ND		1.0	0.76	ug/L			07/23/16 17:57	1
2-Chloroethyl vinyl ether	ND	*	5.0	2.0	ug/L			07/23/16 17:57	1
Chloroform	ND		1.0	0.60	ug/L			07/23/16 17:57	1
1-Chlorohexane	ND		1.0	0.70	ug/L			07/23/16 17:57	1
Chloromethane	ND		1.0	0.83	ug/L			07/23/16 17:57	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/23/16 17:57	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/23/16 17:57	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/23/16 17:57	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/23/16 17:57	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/23/16 17:57	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/23/16 17:57	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/23/16 17:57	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			07/23/16 17:57	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/23/16 17:57	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/23/16 17:57	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/23/16 17:57	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/23/16 17:57	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			07/23/16 17:57	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/23/16 17:57	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/23/16 17:57	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/23/16 17:57	1
2-Hexanone	ND		25	3.1	ug/L			07/23/16 17:57	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/23/16 17:57	1
Methylene bromide	ND		5.0	0.59	ug/L			07/23/16 17:57	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/23/16 17:57	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/23/16 17:57	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			07/23/16 17:57	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			07/23/16 17:57	1
Naphthalene	ND		1.0	1.0	ug/L			07/23/16 17:57	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/23/16 17:57	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/23/16 17:57	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/23/16 17:57	1
o-Xylene	ND		5.0	0.60	ug/L			07/23/16 17:57	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/23/16 17:57	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/23/16 17:57	1

Client Sample ID: TB-ROX-071416R-8260

Date Collected: 07/14/16 00:00
Date Received: 07/15/16 15:08

Lab Sample ID: 400-124559-2

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			07/23/16 17:57	1
Styrene	ND		1.0	1.0	ug/L			07/23/16 17:57	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/23/16 17:57	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			07/23/16 17:57	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/23/16 17:57	1
Tetrachloroethene	ND		1.0	0.58	ug/L			07/23/16 17:57	1
Toluene	ND		1.0	0.70	ug/L			07/23/16 17:57	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/23/16 17:57	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/23/16 17:57	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			07/23/16 17:57	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/23/16 17:57	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			07/23/16 17:57	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			07/23/16 17:57	1
Trichloroethene	ND		1.0	0.50	ug/L			07/23/16 17:57	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			07/23/16 17:57	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/23/16 17:57	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/23/16 17:57	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/23/16 17:57	1
Vinyl acetate	ND		25	2.0	ug/L			07/23/16 17:57	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/23/16 17:57	1
Xylenes, Total	ND		10	1.6	ug/L			07/23/16 17:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*78 - 118*		*07/23/16 17:57*	*1*
Dibromofluoromethane	*104*		*81 - 121*		*07/23/16 17:57*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*07/23/16 17:57*	*1*

Client Sample ID: MW28-ROX-071416

Date Collected: 07/14/16 09:35
Date Received: 07/15/16 15:08

Lab Sample ID: 400-124559-3

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			07/23/16 18:23	1
Acrolein	ND		20	10	ug/L			07/23/16 18:23	1
Acrylonitrile	ND		10	2.8	ug/L			07/23/16 18:23	1
Benzene	**9.8**		1.0	0.38	ug/L			07/23/16 18:23	1
Bromobenzene	ND		1.0	0.54	ug/L			07/23/16 18:23	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/23/16 18:23	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/23/16 18:23	1
Bromoform	ND		5.0	0.71	ug/L			07/23/16 18:23	1
Bromomethane	ND		1.0	0.98	ug/L			07/23/16 18:23	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/23/16 18:23	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/23/16 18:23	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			07/23/16 18:23	1
Chlorobenzene	ND		1.0	0.50	ug/L			07/23/16 18:23	1
Dibromochloromethane	ND		1.0	0.50	ug/L			07/23/16 18:23	1
Chloroethane	ND		1.0	0.76	ug/L			07/23/16 18:23	1
2-Chloroethyl vinyl ether	ND	F1 *	5.0	2.0	ug/L			07/23/16 18:23	1
Chloroform	ND		1.0	0.60	ug/L			07/23/16 18:23	1
1-Chlorohexane	ND		1.0	0.70	ug/L			07/23/16 18:23	1
Chloromethane	ND		1.0	0.83	ug/L			07/23/16 18:23	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/23/16 18:23	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/23/16 18:23	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/23/16 18:23	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/23/16 18:23	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/23/16 18:23	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/23/16 18:23	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/23/16 18:23	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			07/23/16 18:23	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/23/16 18:23	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/23/16 18:23	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/23/16 18:23	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/23/16 18:23	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			07/23/16 18:23	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/23/16 18:23	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/23/16 18:23	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/23/16 18:23	1
2-Hexanone	ND		25	3.1	ug/L			07/23/16 18:23	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/23/16 18:23	1
Methylene bromide	ND		5.0	0.59	ug/L			07/23/16 18:23	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/23/16 18:23	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/23/16 18:23	1
Methyl tert-butyl ether	**1.1**		1.0	0.74	ug/L			07/23/16 18:23	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			07/23/16 18:23	1
Naphthalene	ND		1.0	1.0	ug/L			07/23/16 18:23	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/23/16 18:23	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/23/16 18:23	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/23/16 18:23	1
o-Xylene	ND		5.0	0.60	ug/L			07/23/16 18:23	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/23/16 18:23	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/23/16 18:23	1

Client Sample ID: MW28-ROX-071416

Date Collected: 07/14/16 09:35
Date Received: 07/15/16 15:08

Lab Sample ID: 400-124559-3

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			07/23/16 18:23	1
Styrene	ND		1.0	1.0	ug/L			07/23/16 18:23	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/23/16 18:23	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			07/23/16 18:23	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/23/16 18:23	1
Tetrachloroethene	ND		1.0	0.58	ug/L			07/23/16 18:23	1
Toluene	**1.3**		1.0	0.70	ug/L			07/23/16 18:23	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/23/16 18:23	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/23/16 18:23	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			07/23/16 18:23	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/23/16 18:23	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			07/23/16 18:23	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			07/23/16 18:23	1
Trichloroethene	ND		1.0	0.50	ug/L			07/23/16 18:23	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			07/23/16 18:23	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/23/16 18:23	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/23/16 18:23	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/23/16 18:23	1
Vinyl acetate	ND		25	2.0	ug/L			07/23/16 18:23	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/23/16 18:23	1
Xylenes, Total	**1.7**	**J**	10	1.6	ug/L			07/23/16 18:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*87*		*78 - 118*		*07/23/16 18:23*	*1*
Dibromofluoromethane	*105*		*81 - 121*		*07/23/16 18:23*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*07/23/16 18:23*	*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		07/20/16 16:29	07/25/16 11:21	1
Acenaphthylene	ND		0.20	0.020	ug/L		07/20/16 16:29	07/25/16 11:21	1
Anthracene	ND		0.20	0.020	ug/L		07/20/16 16:29	07/25/16 11:21	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/20/16 16:29	07/25/16 11:21	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		07/20/16 16:29	07/25/16 11:21	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		07/20/16 16:29	07/25/16 11:21	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		07/20/16 16:29	07/25/16 11:21	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/20/16 16:29	07/25/16 11:21	1
Chrysene	ND		0.20	0.040	ug/L		07/20/16 16:29	07/25/16 11:21	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		07/20/16 16:29	07/25/16 11:21	1
Fluoranthene	ND		0.20	0.020	ug/L		07/20/16 16:29	07/25/16 11:21	1
Fluorene	ND		0.20	0.021	ug/L		07/20/16 16:29	07/25/16 11:21	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		07/20/16 16:29	07/25/16 11:21	1
Phenanthrene	ND		0.20	0.020	ug/L		07/20/16 16:29	07/25/16 11:21	1
Pyrene	ND		0.20	0.020	ug/L		07/20/16 16:29	07/25/16 11:21	1
1-Methylnaphthalene	ND		0.20	0.020	ug/L		07/20/16 16:29	07/25/16 11:21	1
2-Methylnaphthalene	ND		0.20	0.020	ug/L		07/20/16 16:29	07/25/16 11:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*68*		*33 - 138*	*07/20/16 16:29*	*07/25/16 11:21*	*1*
2-Fluorobiphenyl	*46*		*15 - 122*	*07/20/16 16:29*	*07/25/16 11:21*	*1*

Client Sample ID: MW28-ROX-071416
Date Collected: 07/14/16 09:35
Date Received: 07/15/16 15:08

Lab Sample ID: 400-124559-3
Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	41		19 - 130	07/20/16 16:29	07/25/16 11:21	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		07/20/16 16:29	07/27/16 12:02	1
Benzenethiol	ND		10	1.7	ug/L		07/20/16 16:29	07/27/16 12:02	1
Benzoic acid	ND		30	7.3	ug/L		07/20/16 16:29	07/27/16 12:02	1
Benzyl alcohol	ND	UJ	10	2.0	ug/L		07/20/16 16:29	07/27/16 12:02	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		07/20/16 16:29	07/27/16 12:02	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		07/20/16 16:29	07/27/16 12:02	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		07/20/16 16:29	07/27/16 12:02	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		07/20/16 16:29	07/27/16 12:02	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		07/20/16 16:29	07/27/16 12:02	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		07/20/16 16:29	07/27/16 12:02	1
4-Chloroaniline	ND		10	3.4	ug/L		07/20/16 16:29	07/27/16 12:02	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		07/20/16 16:29	07/27/16 12:02	1
2-Chloronaphthalene	ND		10	0.52	ug/L		07/20/16 16:29	07/27/16 12:02	1
2-Chlorophenol	ND		10	2.2	ug/L		07/20/16 16:29	07/27/16 12:02	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		07/20/16 16:29	07/27/16 12:02	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		07/20/16 16:29	07/27/16 12:02	1
Dibenzofuran	ND		10	0.52	ug/L		07/20/16 16:29	07/27/16 12:02	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		07/20/16 16:29	07/27/16 12:02	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		07/20/16 16:29	07/27/16 12:02	1
Diethyl phthalate	ND		10	0.70	ug/L		07/20/16 16:29	07/27/16 12:02	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		07/20/16 16:29	07/27/16 12:02	1
Dimethyl phthalate	ND		10	0.60	ug/L		07/20/16 16:29	07/27/16 12:02	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		07/20/16 16:29	07/27/16 12:02	1
4,6-Dinitro-ortho-cresol	ND	UJ	10	2.0	ug/L		07/20/16 16:29	07/27/16 12:02	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		07/20/16 16:29	07/27/16 12:02	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		07/20/16 16:29	07/27/16 12:02	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		07/20/16 16:29	07/27/16 12:02	1
Di-n-octyl phthalate	~~0.84~~	J B U	10	0.44	ug/L		07/20/16 16:29	07/27/16 12:02	1
1,4-Dioxane	ND		10	1.0	ug/L		07/20/16 16:29	07/27/16 12:02	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		07/20/16 16:29	07/27/16 12:02	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/20/16 16:29	07/27/16 12:02	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		07/20/16 16:29	07/27/16 12:02	1
Hexachloroethane	ND		10	4.2	ug/L		07/20/16 16:29	07/27/16 12:02	1
Indene	ND		10	1.0	ug/L		07/20/16 16:29	07/27/16 12:02	1
Isophorone	ND		10	0.57	ug/L		07/20/16 16:29	07/27/16 12:02	1
2-Methylphenol	ND		10	1.8	ug/L		07/20/16 16:29	07/27/16 12:02	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		07/20/16 16:29	07/27/16 12:02	1
2-Nitroaniline	ND		10	2.2	ug/L		07/20/16 16:29	07/27/16 12:02	1
3-Nitroaniline	ND		10	1.8	ug/L		07/20/16 16:29	07/27/16 12:02	1
4-Nitroaniline	ND		10	2.5	ug/L		07/20/16 16:29	07/27/16 12:02	1
Nitrobenzene	ND		10	0.55	ug/L		07/20/16 16:29	07/27/16 12:02	1
2-Nitrophenol	ND		10	0.65	ug/L		07/20/16 16:29	07/27/16 12:02	1
4-Nitrophenol	ND		10	2.1	ug/L		07/20/16 16:29	07/27/16 12:02	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		07/20/16 16:29	07/27/16 12:02	1

Client Sample ID: MW28-ROX-071416
Date Collected: 07/14/16 09:35
Date Received: 07/15/16 15:08

Lab Sample ID: 400-124559-3
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		07/20/16 16:29	07/27/16 12:02	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		07/20/16 16:29	07/27/16 12:02	1
Pentachlorophenol	ND		20	1.8	ug/L		07/20/16 16:29	07/27/16 12:02	1
Phenol	ND		10	2.6	ug/L		07/20/16 16:29	07/27/16 12:02	1
Pyridine	ND		10	3.2	ug/L		07/20/16 16:29	07/27/16 12:02	1
Quinoline	ND		10	6.0	ug/L		07/20/16 16:29	07/27/16 12:02	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		07/20/16 16:29	07/27/16 12:02	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		07/20/16 16:29	07/27/16 12:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*74*		*34 - 120*	*07/20/16 16:29*	*07/27/16 12:02*	*1*
2-Fluorophenol	*41*		*10 - 120*	*07/20/16 16:29*	*07/27/16 12:02*	*1*
Nitrobenzene-d5	*74*		*27 - 120*	*07/20/16 16:29*	*07/27/16 12:02*	*1*
Phenol-d5	*71*		*10 - 120*	*07/20/16 16:29*	*07/27/16 12:02*	*1*
Terphenyl-d14	*90*		*53 - 125*	*07/20/16 16:29*	*07/27/16 12:02*	*1*
2,4,6-Tribromophenol	*97*		*15 - 135*	*07/20/16 16:29*	*07/27/16 12:02*	*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		07/24/16 10:44	07/26/16 06:29	1
1,2-Dibromoethane	ND		0.021	0.0051	ug/L		07/24/16 10:44	07/26/16 06:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*89*		*51 - 149*	*07/24/16 10:44*	*07/26/16 06:29*	*1*

Client Sample ID: ROST3MW-ROX-071416
Date Collected: 07/14/16 10:25
Date Received: 07/15/16 15:08

Lab Sample ID: 400-124559-4
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			07/23/16 20:07	1
Acrolein	ND		20	10	ug/L			07/23/16 20:07	1
Acrylonitrile	ND		10	2.8	ug/L			07/23/16 20:07	1
Benzene	**1.7**		1.0	0.38	ug/L			07/23/16 20:07	1
Bromobenzene	ND		1.0	0.54	ug/L			07/23/16 20:07	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/23/16 20:07	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/23/16 20:07	1
Bromoform	ND		5.0	0.71	ug/L			07/23/16 20:07	1
Bromomethane	ND		1.0	0.98	ug/L			07/23/16 20:07	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/23/16 20:07	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/23/16 20:07	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			07/23/16 20:07	1
Chlorobenzene	ND		1.0	0.50	ug/L			07/23/16 20:07	1
Dibromochloromethane	ND		1.0	0.50	ug/L			07/23/16 20:07	1
Chloroethane	ND		1.0	0.76	ug/L			07/23/16 20:07	1
2-Chloroethyl vinyl ether	ND	*	5.0	2.0	ug/L			07/23/16 20:07	1
Chloroform	ND		1.0	0.60	ug/L			07/23/16 20:07	1
1-Chlorohexane	ND		1.0	0.70	ug/L			07/23/16 20:07	1
Chloromethane	ND		1.0	0.83	ug/L			07/23/16 20:07	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/23/16 20:07	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/23/16 20:07	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/23/16 20:07	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/23/16 20:07	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/23/16 20:07	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/23/16 20:07	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/23/16 20:07	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			07/23/16 20:07	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/23/16 20:07	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/23/16 20:07	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/23/16 20:07	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/23/16 20:07	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			07/23/16 20:07	1
Ethylbenzene	**4.2**		1.0	0.50	ug/L			07/23/16 20:07	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/23/16 20:07	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/23/16 20:07	1
2-Hexanone	ND		25	3.1	ug/L			07/23/16 20:07	1
Isopropylbenzene	**0.55**	**J**	1.0	0.53	ug/L			07/23/16 20:07	1
Methylene bromide	ND		5.0	0.59	ug/L			07/23/16 20:07	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/23/16 20:07	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/23/16 20:07	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			07/23/16 20:07	1
m-Xylene & p-Xylene	**4.2**	**J**	5.0	1.6	ug/L			07/23/16 20:07	1
Naphthalene	**3.5**		1.0	1.0	ug/L			07/23/16 20:07	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/23/16 20:07	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/23/16 20:07	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/23/16 20:07	1
o-Xylene	**1.7**	**J**	5.0	0.60	ug/L			07/23/16 20:07	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/23/16 20:07	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/23/16 20:07	1

Client Sample ID: ROST3MW-ROX-071416

Date Collected: 07/14/16 10:25
Date Received: 07/15/16 15:08

Lab Sample ID: 400-124559-4

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			07/23/16 20:07	1
Styrene	ND		1.0	1.0	ug/L			07/23/16 20:07	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/23/16 20:07	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			07/23/16 20:07	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/23/16 20:07	1
Tetrachloroethene	ND		1.0	0.58	ug/L			07/23/16 20:07	1
Toluene	**1.5**		1.0	0.70	ug/L			07/23/16 20:07	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/23/16 20:07	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/23/16 20:07	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			07/23/16 20:07	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/23/16 20:07	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			07/23/16 20:07	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			07/23/16 20:07	1
Trichloroethene	ND		1.0	0.50	ug/L			07/23/16 20:07	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			07/23/16 20:07	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/23/16 20:07	1
1,2,4-Trimethylbenzene	**2.9**		1.0	0.82	ug/L			07/23/16 20:07	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/23/16 20:07	1
Vinyl acetate	ND		25	2.0	ug/L			07/23/16 20:07	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/23/16 20:07	1
Xylenes, Total	**5.8**	**J**	10	1.6	ug/L			07/23/16 20:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*78 - 118*		*07/23/16 20:07*	*1*
Dibromofluoromethane	*102*		*81 - 121*		*07/23/16 20:07*	*1*
Toluene-d8 (Surr)	*89*		*80 - 120*		*07/23/16 20:07*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.079**	**J**	0.20	0.020	ug/L		07/20/16 16:29	07/25/16 11:46	1
Acenaphthylene	ND		0.20	0.020	ug/L		07/20/16 16:29	07/25/16 11:46	1
Anthracene	ND		0.20	0.020	ug/L		07/20/16 16:29	07/25/16 11:46	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/20/16 16:29	07/25/16 11:46	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		07/20/16 16:29	07/25/16 11:46	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		07/20/16 16:29	07/25/16 11:46	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		07/20/16 16:29	07/25/16 11:46	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/20/16 16:29	07/25/16 11:46	1
Chrysene	ND		0.20	0.040	ug/L		07/20/16 16:29	07/25/16 11:46	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		07/20/16 16:29	07/25/16 11:46	1
Fluoranthene	ND		0.20	0.020	ug/L		07/20/16 16:29	07/25/16 11:46	1
Fluorene	**0.043**	**J**	0.20	0.021	ug/L		07/20/16 16:29	07/25/16 11:46	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		07/20/16 16:29	07/25/16 11:46	1
Phenanthrene	**0.11**	**J**	0.20	0.020	ug/L		07/20/16 16:29	07/25/16 11:46	1
Pyrene	ND		0.20	0.020	ug/L		07/20/16 16:29	07/25/16 11:46	1
1-Methylnaphthalene	**1.3**		0.20	0.020	ug/L		07/20/16 16:29	07/25/16 11:46	1
2-Methylnaphthalene	**0.77**		0.20	0.020	ug/L		07/20/16 16:29	07/25/16 11:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*52*		*33 - 138*	*07/20/16 16:29*	*07/25/16 11:46*	*1*
2-Fluorobiphenyl	*47*		*15 - 122*	*07/20/16 16:29*	*07/25/16 11:46*	*1*

Client Sample ID: ROST3MW-ROX-071416
Date Collected: 07/14/16 10:25
Date Received: 07/15/16 15:08

Lab Sample ID: 400-124559-4
Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	44		19 - 130	07/20/16 16:29	07/25/16 11:46	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		07/20/16 16:29	07/27/16 12:32	1
Benzenethiol	ND		10	1.7	ug/L		07/20/16 16:29	07/27/16 12:32	1
Benzoic acid	ND		30	7.3	ug/L		07/20/16 16:29	07/27/16 12:32	1
Benzyl alcohol	ND	UJ	10	2.0	ug/L		07/20/16 16:29	07/27/16 12:32	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		07/20/16 16:29	07/27/16 12:32	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		07/20/16 16:29	07/27/16 12:32	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		07/20/16 16:29	07/27/16 12:32	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		07/20/16 16:29	07/27/16 12:32	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		07/20/16 16:29	07/27/16 12:32	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		07/20/16 16:29	07/27/16 12:32	1
4-Chloroaniline	ND		10	3.4	ug/L		07/20/16 16:29	07/27/16 12:32	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		07/20/16 16:29	07/27/16 12:32	1
2-Chloronaphthalene	ND		10	0.52	ug/L		07/20/16 16:29	07/27/16 12:32	1
2-Chlorophenol	ND		10	2.2	ug/L		07/20/16 16:29	07/27/16 12:32	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		07/20/16 16:29	07/27/16 12:32	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		07/20/16 16:29	07/27/16 12:32	1
Dibenzofuran	ND		10	0.52	ug/L		07/20/16 16:29	07/27/16 12:32	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		07/20/16 16:29	07/27/16 12:32	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		07/20/16 16:29	07/27/16 12:32	1
Diethyl phthalate	ND		10	0.70	ug/L		07/20/16 16:29	07/27/16 12:32	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		07/20/16 16:29	07/27/16 12:32	1
Dimethyl phthalate	ND		10	0.60	ug/L		07/20/16 16:29	07/27/16 12:32	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		07/20/16 16:29	07/27/16 12:32	1
4,6-Dinitro-ortho-cresol	ND	UJ	10	2.0	ug/L		07/20/16 16:29	07/27/16 12:32	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		07/20/16 16:29	07/27/16 12:32	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		07/20/16 16:29	07/27/16 12:32	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		07/20/16 16:29	07/27/16 12:32	1
Di-n-octyl phthalate	~~0.97~~	J B UJ	10	0.44	ug/L		07/20/16 16:29	07/27/16 12:32	1
1,4-Dioxane	ND		10	1.0	ug/L		07/20/16 16:29	07/27/16 12:32	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		07/20/16 16:29	07/27/16 12:32	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/20/16 16:29	07/27/16 12:32	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		07/20/16 16:29	07/27/16 12:32	1
Hexachloroethane	ND		10	4.2	ug/L		07/20/16 16:29	07/27/16 12:32	1
Indene	ND		10	1.0	ug/L		07/20/16 16:29	07/27/16 12:32	1
Isophorone	ND		10	0.57	ug/L		07/20/16 16:29	07/27/16 12:32	1
2-Methylphenol	ND		10	1.8	ug/L		07/20/16 16:29	07/27/16 12:32	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		07/20/16 16:29	07/27/16 12:32	1
2-Nitroaniline	ND		10	2.2	ug/L		07/20/16 16:29	07/27/16 12:32	1
3-Nitroaniline	ND		10	1.8	ug/L		07/20/16 16:29	07/27/16 12:32	1
4-Nitroaniline	ND		10	2.5	ug/L		07/20/16 16:29	07/27/16 12:32	1
Nitrobenzene	ND		10	0.55	ug/L		07/20/16 16:29	07/27/16 12:32	1
2-Nitrophenol	ND		10	0.65	ug/L		07/20/16 16:29	07/27/16 12:32	1
4-Nitrophenol	ND		10	2.1	ug/L		07/20/16 16:29	07/27/16 12:32	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		07/20/16 16:29	07/27/16 12:32	1

Client Sample ID: ROST3MW-ROX-071416

Date Collected: 07/14/16 10:25
Date Received: 07/15/16 15:08

Lab Sample ID: 400-124559-4

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		07/20/16 16:29	07/27/16 12:32	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		07/20/16 16:29	07/27/16 12:32	1
Pentachlorophenol	ND		20	1.8	ug/L		07/20/16 16:29	07/27/16 12:32	1
Phenol	ND		10	2.6	ug/L		07/20/16 16:29	07/27/16 12:32	1
Pyridine	ND		10	3.2	ug/L		07/20/16 16:29	07/27/16 12:32	1
Quinoline	ND		10	6.0	ug/L		07/20/16 16:29	07/27/16 12:32	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		07/20/16 16:29	07/27/16 12:32	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		07/20/16 16:29	07/27/16 12:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*73*		*34 - 120*	*07/20/16 16:29*	*07/27/16 12:32*	*1*
2-Fluorophenol	*65*		*10 - 120*	*07/20/16 16:29*	*07/27/16 12:32*	*1*
Nitrobenzene-d5	*75*		*27 - 120*	*07/20/16 16:29*	*07/27/16 12:32*	*1*
Phenol-d5	*69*		*10 - 120*	*07/20/16 16:29*	*07/27/16 12:32*	*1*
Terphenyl-d14	*69*		*53 - 125*	*07/20/16 16:29*	*07/27/16 12:32*	*1*
2,4,6-Tribromophenol	*95*		*15 - 135*	*07/20/16 16:29*	*07/27/16 12:32*	*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	0.0058	ug/L		07/24/16 10:44	07/26/16 06:59	1
1,2-Dibromoethane	ND		0.021	0.0053	ug/L		07/24/16 10:44	07/26/16 06:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*81*		*51 - 149*	*07/24/16 10:44*	*07/26/16 06:59*	*1*

Client Sample ID: MW1-ROX-071416

Date Collected: 07/14/16 11:55
Date Received: 07/15/16 15:08

Lab Sample ID: 400-124559-5

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			07/23/16 20:33	1
Acrolein	ND		20	10	ug/L			07/23/16 20:33	1
Acrylonitrile	ND		10	2.8	ug/L			07/23/16 20:33	1
Benzene	**0.63**	**J**	1.0	0.38	ug/L			07/23/16 20:33	1
Bromobenzene	ND		1.0	0.54	ug/L			07/23/16 20:33	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/23/16 20:33	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/23/16 20:33	1
Bromoform	ND		5.0	0.71	ug/L			07/23/16 20:33	1
Bromomethane	ND		1.0	0.98	ug/L			07/23/16 20:33	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/23/16 20:33	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/23/16 20:33	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			07/23/16 20:33	1
Chlorobenzene	ND		1.0	0.50	ug/L			07/23/16 20:33	1
Dibromochloromethane	ND		1.0	0.50	ug/L			07/23/16 20:33	1
Chloroethane	ND		1.0	0.76	ug/L			07/23/16 20:33	1
2-Chloroethyl vinyl ether	ND	*	5.0	2.0	ug/L			07/23/16 20:33	1
Chloroform	ND		1.0	0.60	ug/L			07/23/16 20:33	1
1-Chlorohexane	ND		1.0	0.70	ug/L			07/23/16 20:33	1
Chloromethane	ND		1.0	0.83	ug/L			07/23/16 20:33	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/23/16 20:33	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/23/16 20:33	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/23/16 20:33	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/23/16 20:33	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/23/16 20:33	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/23/16 20:33	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/23/16 20:33	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			07/23/16 20:33	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/23/16 20:33	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/23/16 20:33	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/23/16 20:33	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/23/16 20:33	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			07/23/16 20:33	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/23/16 20:33	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/23/16 20:33	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/23/16 20:33	1
2-Hexanone	ND		25	3.1	ug/L			07/23/16 20:33	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/23/16 20:33	1
Methylene bromide	ND		5.0	0.59	ug/L			07/23/16 20:33	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/23/16 20:33	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/23/16 20:33	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			07/23/16 20:33	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			07/23/16 20:33	1
Naphthalene	ND		1.0	1.0	ug/L			07/23/16 20:33	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/23/16 20:33	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/23/16 20:33	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/23/16 20:33	1
o-Xylene	ND		5.0	0.60	ug/L			07/23/16 20:33	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/23/16 20:33	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/23/16 20:33	1

Client Sample ID: MW1-ROX-071416
Date Collected: 07/14/16 11:55
Date Received: 07/15/16 15:08

Lab Sample ID: 400-124559-5
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			07/23/16 20:33	1
Styrene	ND		1.0	1.0	ug/L			07/23/16 20:33	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/23/16 20:33	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			07/23/16 20:33	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/23/16 20:33	1
Tetrachloroethene	ND		1.0	0.58	ug/L			07/23/16 20:33	1
Toluene	**1.4**		1.0	0.70	ug/L			07/23/16 20:33	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/23/16 20:33	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/23/16 20:33	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			07/23/16 20:33	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/23/16 20:33	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			07/23/16 20:33	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			07/23/16 20:33	1
Trichloroethene	ND		1.0	0.50	ug/L			07/23/16 20:33	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			07/23/16 20:33	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/23/16 20:33	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/23/16 20:33	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/23/16 20:33	1
Vinyl acetate	ND		25	2.0	ug/L			07/23/16 20:33	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/23/16 20:33	1
Xylenes, Total	**1.6**	**J**	10	1.6	ug/L			07/23/16 20:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*78 - 118*		*07/23/16 20:33*	*1*
Dibromofluoromethane	*103*		*81 - 121*		*07/23/16 20:33*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*07/23/16 20:33*	*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		07/20/16 16:29	07/25/16 12:12	1
Acenaphthylene	ND		0.20	0.020	ug/L		07/20/16 16:29	07/25/16 12:12	1
Anthracene	ND		0.20	0.020	ug/L		07/20/16 16:29	07/25/16 12:12	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/20/16 16:29	07/25/16 12:12	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		07/20/16 16:29	07/25/16 12:12	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		07/20/16 16:29	07/25/16 12:12	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		07/20/16 16:29	07/25/16 12:12	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/20/16 16:29	07/25/16 12:12	1
Chrysene	ND		0.20	0.040	ug/L		07/20/16 16:29	07/25/16 12:12	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		07/20/16 16:29	07/25/16 12:12	1
Fluoranthene	ND		0.20	0.020	ug/L		07/20/16 16:29	07/25/16 12:12	1
Fluorene	ND		0.20	0.021	ug/L		07/20/16 16:29	07/25/16 12:12	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		07/20/16 16:29	07/25/16 12:12	1
Phenanthrene	ND		0.20	0.020	ug/L		07/20/16 16:29	07/25/16 12:12	1
Pyrene	ND		0.20	0.020	ug/L		07/20/16 16:29	07/25/16 12:12	1
1-Methylnaphthalene	ND		0.20	0.020	ug/L		07/20/16 16:29	07/25/16 12:12	1
2-Methylnaphthalene	ND		0.20	0.020	ug/L		07/20/16 16:29	07/25/16 12:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*51*		*33 - 138*	*07/20/16 16:29*	*07/25/16 12:12*	*1*
2-Fluorobiphenyl	*53*		*15 - 122*	*07/20/16 16:29*	*07/25/16 12:12*	*1*

Client Sample ID: MW1-ROX-071416
Date Collected: 07/14/16 11:55
Date Received: 07/15/16 15:08

Lab Sample ID: 400-124559-5
Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	51		19 - 130	07/20/16 16:29	07/25/16 12:12	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		07/20/16 16:29	07/27/16 13:02	1
Benzenethiol	ND		10	1.7	ug/L		07/20/16 16:29	07/27/16 13:02	1
Benzoic acid	ND		30	7.3	ug/L		07/20/16 16:29	07/27/16 13:02	1
Benzyl alcohol	ND		10	2.0	ug/L		07/20/16 16:29	07/27/16 13:02	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		07/20/16 16:29	07/27/16 13:02	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		07/20/16 16:29	07/27/16 13:02	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		07/20/16 16:29	07/27/16 13:02	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		07/20/16 16:29	07/27/16 13:02	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		07/20/16 16:29	07/27/16 13:02	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		07/20/16 16:29	07/27/16 13:02	1
4-Chloroaniline	ND		10	3.4	ug/L		07/20/16 16:29	07/27/16 13:02	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		07/20/16 16:29	07/27/16 13:02	1
2-Chloronaphthalene	ND		10	0.52	ug/L		07/20/16 16:29	07/27/16 13:02	1
2-Chlorophenol	ND		10	2.2	ug/L		07/20/16 16:29	07/27/16 13:02	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		07/20/16 16:29	07/27/16 13:02	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		07/20/16 16:29	07/27/16 13:02	1
Dibenzofuran	ND		10	0.52	ug/L		07/20/16 16:29	07/27/16 13:02	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		07/20/16 16:29	07/27/16 13:02	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		07/20/16 16:29	07/27/16 13:02	1
Diethyl phthalate	ND		10	0.70	ug/L		07/20/16 16:29	07/27/16 13:02	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		07/20/16 16:29	07/27/16 13:02	1
Dimethyl phthalate	ND		10	0.60	ug/L		07/20/16 16:29	07/27/16 13:02	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		07/20/16 16:29	07/27/16 13:02	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/20/16 16:29	07/27/16 13:02	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		07/20/16 16:29	07/27/16 13:02	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		07/20/16 16:29	07/27/16 13:02	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		07/20/16 16:29	07/27/16 13:02	1
Di-n-octyl phthalate	~~0.86~~	J B	10	0.44	ug/L		07/20/16 16:29	07/27/16 13:02	1
1,4-Dioxane	ND		10	1.0	ug/L		07/20/16 16:29	07/27/16 13:02	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		07/20/16 16:29	07/27/16 13:02	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/20/16 16:29	07/27/16 13:02	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		07/20/16 16:29	07/27/16 13:02	1
Hexachloroethane	ND		10	4.2	ug/L		07/20/16 16:29	07/27/16 13:02	1
Indene	ND		10	1.0	ug/L		07/20/16 16:29	07/27/16 13:02	1
Isophorone	ND		10	0.57	ug/L		07/20/16 16:29	07/27/16 13:02	1
2-Methylphenol	ND		10	1.8	ug/L		07/20/16 16:29	07/27/16 13:02	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		07/20/16 16:29	07/27/16 13:02	1
2-Nitroaniline	ND		10	2.2	ug/L		07/20/16 16:29	07/27/16 13:02	1
3-Nitroaniline	ND		10	1.8	ug/L		07/20/16 16:29	07/27/16 13:02	1
4-Nitroaniline	ND		10	2.5	ug/L		07/20/16 16:29	07/27/16 13:02	1
Nitrobenzene	ND		10	0.55	ug/L		07/20/16 16:29	07/27/16 13:02	1
2-Nitrophenol	ND		10	0.65	ug/L		07/20/16 16:29	07/27/16 13:02	1
4-Nitrophenol	ND		10	2.1	ug/L		07/20/16 16:29	07/27/16 13:02	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		07/20/16 16:29	07/27/16 13:02	1

Client Sample ID: MW1-ROX-071416
Date Collected: 07/14/16 11:55
Date Received: 07/15/16 15:08

Lab Sample ID: 400-124559-5
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		07/20/16 16:29	07/27/16 13:02	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		07/20/16 16:29	07/27/16 13:02	1
Pentachlorophenol	ND		20	1.8	ug/L		07/20/16 16:29	07/27/16 13:02	1
Phenol	ND		10	2.6	ug/L		07/20/16 16:29	07/27/16 13:02	1
Pyridine	ND		10	3.2	ug/L		07/20/16 16:29	07/27/16 13:02	1
Quinoline	ND		10	6.0	ug/L		07/20/16 16:29	07/27/16 13:02	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		07/20/16 16:29	07/27/16 13:02	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		07/20/16 16:29	07/27/16 13:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*34 - 120*	*07/20/16 16:29*	*07/27/16 13:02*	*1*
2-Fluorophenol	*46*		*10 - 120*	*07/20/16 16:29*	*07/27/16 13:02*	*1*
Nitrobenzene-d5	*69*		*27 - 120*	*07/20/16 16:29*	*07/27/16 13:02*	*1*
Phenol-d5	*47*		*10 - 120*	*07/20/16 16:29*	*07/27/16 13:02*	*1*
Terphenyl-d14	*61*		*53 - 125*	*07/20/16 16:29*	*07/27/16 13:02*	*1*
2,4,6-Tribromophenol	*62*		*15 - 135*	*07/20/16 16:29*	*07/27/16 13:02*	*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		07/24/16 10:44	07/26/16 07:29	1
1,2-Dibromoethane	ND		0.019	0.0049	ug/L		07/24/16 10:44	07/26/16 07:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*66*		*51 - 149*	*07/24/16 10:44*	*07/26/16 07:29*	*1*

Client Sample ID: MW2-ROX-071416
Date Collected: 07/14/16 14:05
Date Received: 07/15/16 15:08

Lab Sample ID: 400-124559-6
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			07/23/16 23:09	2
Acrolein	ND		40	20	ug/L			07/23/16 23:09	2
Acrylonitrile	ND		20	5.6	ug/L			07/23/16 23:09	2
Benzene	**12**		2.0	0.76	ug/L			07/23/16 23:09	2
Bromobenzene	ND		2.0	1.1	ug/L			07/23/16 23:09	2
Bromochloromethane	ND		2.0	1.0	ug/L			07/23/16 23:09	2
Bromodichloromethane	ND		2.0	1.0	ug/L			07/23/16 23:09	2
Bromoform	ND		10	1.4	ug/L			07/23/16 23:09	2
Bromomethane	ND		2.0	2.0	ug/L			07/23/16 23:09	2
2-Butanone (MEK)	ND		50	5.2	ug/L			07/23/16 23:09	2
Carbon disulfide	ND		2.0	1.0	ug/L			07/23/16 23:09	2
Carbon tetrachloride	ND		2.0	1.0	ug/L			07/23/16 23:09	2
Chlorobenzene	ND		2.0	1.0	ug/L			07/23/16 23:09	2
Dibromochloromethane	ND		2.0	1.0	ug/L			07/23/16 23:09	2
Chloroethane	ND		2.0	1.5	ug/L			07/23/16 23:09	2
2-Chloroethyl vinyl ether	ND	*	10	4.0	ug/L			07/23/16 23:09	2
Chloroform	ND		2.0	1.2	ug/L			07/23/16 23:09	2
1-Chlorohexane	ND		2.0	1.4	ug/L			07/23/16 23:09	2
Chloromethane	ND		2.0	1.7	ug/L			07/23/16 23:09	2
cis-1,2-Dichloroethene	ND		2.0	1.0	ug/L			07/23/16 23:09	2
cis-1,3-Dichloropropene	ND		10	1.0	ug/L			07/23/16 23:09	2
1,2-Dichlorobenzene	ND		2.0	1.0	ug/L			07/23/16 23:09	2
1,3-Dichlorobenzene	ND		2.0	1.1	ug/L			07/23/16 23:09	2
1,4-Dichlorobenzene	ND		2.0	1.3	ug/L			07/23/16 23:09	2
Dichlorodifluoromethane	ND		2.0	1.7	ug/L			07/23/16 23:09	2
1,1-Dichloroethane	ND		2.0	1.0	ug/L			07/23/16 23:09	2
1,2-Dichloroethane	ND		2.0	1.0	ug/L			07/23/16 23:09	2
1,1-Dichloroethene	ND		2.0	1.0	ug/L			07/23/16 23:09	2
1,2-Dichloropropane	ND		2.0	1.0	ug/L			07/23/16 23:09	2
1,3-Dichloropropane	ND		2.0	1.0	ug/L			07/23/16 23:09	2
2,2-Dichloropropane	ND		2.0	1.0	ug/L			07/23/16 23:09	2
1,1-Dichloropropene	ND		2.0	1.0	ug/L			07/23/16 23:09	2
Ethylbenzene	**260**		2.0	1.0	ug/L			07/23/16 23:09	2
Ethyl methacrylate	ND		2.0	1.2	ug/L			07/23/16 23:09	2
Hexachlorobutadiene	ND		10	1.8	ug/L			07/23/16 23:09	2
2-Hexanone	ND		50	6.2	ug/L			07/23/16 23:09	2
Isopropylbenzene	**79**		2.0	1.1	ug/L			07/23/16 23:09	2
Methylene bromide	ND		10	1.2	ug/L			07/23/16 23:09	2
Methylene Chloride	ND		10	6.0	ug/L			07/23/16 23:09	2
4-Methyl-2-pentanone (MIBK)	ND		50	3.6	ug/L			07/23/16 23:09	2
Methyl tert-butyl ether	ND		2.0	1.5	ug/L			07/23/16 23:09	2
m-Xylene & p-Xylene	**160**		10	3.2	ug/L			07/23/16 23:09	2
Naphthalene	**48**		2.0	2.0	ug/L			07/23/16 23:09	2
n-Butylbenzene	ND		2.0	1.5	ug/L			07/23/16 23:09	2
N-Propylbenzene	**95**		2.0	1.4	ug/L			07/23/16 23:09	2
o-Chlorotoluene	ND		2.0	1.1	ug/L			07/23/16 23:09	2
o-Xylene	**21**		10	1.2	ug/L			07/23/16 23:09	2
p-Chlorotoluene	ND		2.0	1.1	ug/L			07/23/16 23:09	2
p-Isopropyltoluene	**6.6**		2.0	1.4	ug/L			07/23/16 23:09	2

Client Sample ID: MW2-ROX-071416
Date Collected: 07/14/16 14:05
Date Received: 07/15/16 15:08

Lab Sample ID: 400-124559-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		2.0	1.4	ug/L			07/23/16 23:09	2
Styrene	ND		2.0	2.0	ug/L			07/23/16 23:09	2
tert-Butylbenzene	ND		2.0	1.3	ug/L			07/23/16 23:09	2
1,1,1,2-Tetrachloroethane	ND		2.0	1.0	ug/L			07/23/16 23:09	2
1,1,2,2-Tetrachloroethane	ND		2.0	1.0	ug/L			07/23/16 23:09	2
Tetrachloroethene	ND		2.0	1.2	ug/L			07/23/16 23:09	2
Toluene	**16**		2.0	1.4	ug/L			07/23/16 23:09	2
trans-1,2-Dichloroethene	ND		2.0	1.0	ug/L			07/23/16 23:09	2
trans-1,3-Dichloropropene	ND		10	1.0	ug/L			07/23/16 23:09	2
1,2,3-Trichlorobenzene	ND		2.0	1.4	ug/L			07/23/16 23:09	2
1,2,4-Trichlorobenzene	ND		2.0	1.6	ug/L			07/23/16 23:09	2
1,1,1-Trichloroethane	ND		2.0	1.0	ug/L			07/23/16 23:09	2
1,1,2-Trichloroethane	ND		10	1.0	ug/L			07/23/16 23:09	2
Trichloroethene	ND		2.0	1.0	ug/L			07/23/16 23:09	2
Trichlorofluoromethane	ND		2.0	1.0	ug/L			07/23/16 23:09	2
1,2,3-Trichloropropane	ND		10	1.7	ug/L			07/23/16 23:09	2
1,2,4-Trimethylbenzene	**79**		2.0	1.6	ug/L			07/23/16 23:09	2
1,3,5-Trimethylbenzene	**100**		2.0	1.1	ug/L			07/23/16 23:09	2
Vinyl acetate	ND		50	4.0	ug/L			07/23/16 23:09	2
Vinyl chloride	ND		2.0	1.0	ug/L			07/23/16 23:09	2
Xylenes, Total	**180**		20	3.2	ug/L			07/23/16 23:09	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*78 - 118*		*07/23/16 23:09*	*2*
Dibromofluoromethane	*95*		*81 - 121*		*07/23/16 23:09*	*2*
Toluene-d8 (Surr)	*87*		*80 - 120*		*07/23/16 23:09*	*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		07/20/16 16:29	07/25/16 12:38	1
Acenaphthylene	ND		0.20	0.020	ug/L		07/20/16 16:29	07/25/16 12:38	1
Anthracene	ND		0.20	0.020	ug/L		07/20/16 16:29	07/25/16 12:38	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/20/16 16:29	07/25/16 12:38	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		07/20/16 16:29	07/25/16 12:38	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		07/20/16 16:29	07/25/16 12:38	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		07/20/16 16:29	07/25/16 12:38	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/20/16 16:29	07/25/16 12:38	1
Chrysene	ND		0.20	0.040	ug/L		07/20/16 16:29	07/25/16 12:38	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		07/20/16 16:29	07/25/16 12:38	1
Fluoranthene	ND		0.20	0.020	ug/L		07/20/16 16:29	07/25/16 12:38	1
Fluorene	ND		0.20	0.021	ug/L		07/20/16 16:29	07/25/16 12:38	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		07/20/16 16:29	07/25/16 12:38	1
Phenanthrene	ND		0.20	0.020	ug/L		07/20/16 16:29	07/25/16 12:38	1
Pyrene	ND		0.20	0.020	ug/L		07/20/16 16:29	07/25/16 12:38	1
1-Methylnaphthalene	**6.8**		0.20	0.020	ug/L		07/20/16 16:29	07/25/16 12:38	1
2-Methylnaphthalene	**14**		0.20	0.020	ug/L		07/20/16 16:29	07/25/16 12:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*26*	*X*	*33 - 138*	*07/20/16 16:29*	*07/25/16 12:38*	*1*
2-Fluorobiphenyl	*41*		*15 - 122*	*07/20/16 16:29*	*07/25/16 12:38*	*1*

Client Sample ID: MW2-ROX-071416

Date Collected: 07/14/16 14:05
Date Received: 07/15/16 15:08

Lab Sample ID: 400-124559-6

Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	58		19 - 130	07/20/16 16:29	07/25/16 12:38	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		07/20/16 16:29	07/27/16 13:33	1
Benzenethiol	ND		10	1.7	ug/L		07/20/16 16:29	07/27/16 13:33	1
Benzoic acid	ND		30	7.3	ug/L		07/20/16 16:29	07/27/16 13:33	1
Benzyl alcohol	ND	UJ	10	2.0	ug/L		07/20/16 16:29	07/27/16 13:33	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		07/20/16 16:29	07/27/16 13:33	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		07/20/16 16:29	07/27/16 13:33	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		07/20/16 16:29	07/27/16 13:33	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		07/20/16 16:29	07/27/16 13:33	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		07/20/16 16:29	07/27/16 13:33	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		07/20/16 16:29	07/27/16 13:33	1
4-Chloroaniline	ND		10	3.4	ug/L		07/20/16 16:29	07/27/16 13:33	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		07/20/16 16:29	07/27/16 13:33	1
2-Chloronaphthalene	ND		10	0.52	ug/L		07/20/16 16:29	07/27/16 13:33	1
2-Chlorophenol	ND		10	2.2	ug/L		07/20/16 16:29	07/27/16 13:33	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		07/20/16 16:29	07/27/16 13:33	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		07/20/16 16:29	07/27/16 13:33	1
Dibenzofuran	ND		10	0.52	ug/L		07/20/16 16:29	07/27/16 13:33	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		07/20/16 16:29	07/27/16 13:33	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		07/20/16 16:29	07/27/16 13:33	1
Diethyl phthalate	ND		10	0.70	ug/L		07/20/16 16:29	07/27/16 13:33	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		07/20/16 16:29	07/27/16 13:33	1
Dimethyl phthalate	ND		10	0.60	ug/L		07/20/16 16:29	07/27/16 13:33	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		07/20/16 16:29	07/27/16 13:33	1
4,6-Dinitro-ortho-cresol	ND	UJ	10	2.0	ug/L		07/20/16 16:29	07/27/16 13:33	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		07/20/16 16:29	07/27/16 13:33	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		07/20/16 16:29	07/27/16 13:33	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		07/20/16 16:29	07/27/16 13:33	1
Di-n-octyl phthalate	~~0.89~~	J B U	10	0.44	ug/L		07/20/16 16:29	07/27/16 13:33	1
1,4-Dioxane	ND		10	1.0	ug/L		07/20/16 16:29	07/27/16 13:33	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		07/20/16 16:29	07/27/16 13:33	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/20/16 16:29	07/27/16 13:33	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		07/20/16 16:29	07/27/16 13:33	1
Hexachloroethane	ND		10	4.2	ug/L		07/20/16 16:29	07/27/16 13:33	1
Indene	ND		10	1.0	ug/L		07/20/16 16:29	07/27/16 13:33	1
Isophorone	ND		10	0.57	ug/L		07/20/16 16:29	07/27/16 13:33	1
2-Methylphenol	ND		10	1.8	ug/L		07/20/16 16:29	07/27/16 13:33	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		07/20/16 16:29	07/27/16 13:33	1
2-Nitroaniline	ND		10	2.2	ug/L		07/20/16 16:29	07/27/16 13:33	1
3-Nitroaniline	ND		10	1.8	ug/L		07/20/16 16:29	07/27/16 13:33	1
4-Nitroaniline	ND		10	2.5	ug/L		07/20/16 16:29	07/27/16 13:33	1
Nitrobenzene	ND		10	0.55	ug/L		07/20/16 16:29	07/27/16 13:33	1
2-Nitrophenol	ND		10	0.65	ug/L		07/20/16 16:29	07/27/16 13:33	1
4-Nitrophenol	ND		10	2.1	ug/L		07/20/16 16:29	07/27/16 13:33	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		07/20/16 16:29	07/27/16 13:33	1

Client Sample ID: MW2-ROX-071416
Date Collected: 07/14/16 14:05
Date Received: 07/15/16 15:08

Lab Sample ID: 400-124559-6
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		07/20/16 16:29	07/27/16 13:33	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		07/20/16 16:29	07/27/16 13:33	1
Pentachlorophenol	ND		20	1.8	ug/L		07/20/16 16:29	07/27/16 13:33	1
Phenol	ND		10	2.6	ug/L		07/20/16 16:29	07/27/16 13:33	1
Pyridine	ND		10	3.2	ug/L		07/20/16 16:29	07/27/16 13:33	1
Quinoline	ND		10	6.0	ug/L		07/20/16 16:29	07/27/16 13:33	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		07/20/16 16:29	07/27/16 13:33	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		07/20/16 16:29	07/27/16 13:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*64*		*34 - 120*	*07/20/16 16:29*	*07/27/16 13:33*	*1*
2-Fluorophenol	*41*		*10 - 120*	*07/20/16 16:29*	*07/27/16 13:33*	*1*
Nitrobenzene-d5	*65*		*27 - 120*	*07/20/16 16:29*	*07/27/16 13:33*	*1*
Phenol-d5	*55*		*10 - 120*	*07/20/16 16:29*	*07/27/16 13:33*	*1*
Terphenyl-d14	*39*	*X*	*53 - 125*	*07/20/16 16:29*	*07/27/16 13:33*	*1*
2,4,6-Tribromophenol	*74*		*15 - 135*	*07/20/16 16:29*	*07/27/16 13:33*	*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	UJ	0.031	0.0057	ug/L		07/24/16 10:44	07/26/16 08:28	1
1,2-Dibromoethane	ND	UJ	0.021	0.0052	ug/L		07/24/16 10:44	07/26/16 08:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*40*	*X*	*51 - 149*	*07/24/16 10:44*	*07/26/16 08:28*	*1*

Qualifiers

GC/MS VOA

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

GC Semi VOA

Qualifier	Qualifier Description
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 - 3Q16

TestAmerica Job ID: 400-124559-1
SDG: 60477387 - 1.03.003/1.03.0033

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)
400-124559-2	TB-ROX-071416R-8260	92	104	93
400-124559-3	MW28-ROX-071416	87	105	94
400-124559-3 MS	MW28-ROX-071416	100	99	101
400-124559-3 MSD	MW28-ROX-071416	100	101	99
400-124559-4	ROST3MW-ROX-071416	93	102	89
400-124559-5	MW1-ROX-071416	94	103	92
400-124559-6	MW2-ROX-071416	93	95	87
LCS 400-315486/1002	Lab Control Sample	103	100	99
MB 400-315486/4	Method Blank	93	103	93

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)
400-124559-3	MW28-ROX-071416	74	41	74	71	90	97
400-124559-4	ROST3MW-ROX-071416	73	65	75	69	69	95
400-124559-5	MW1-ROX-071416	68	46	69	47	61	62
400-124559-6	MW2-ROX-071416	64	41	65	55	39 X	74
LCS 400-315114/2-A	Lab Control Sample	71	73	76	83	71	82
LCSD 400-315114/3-A	Lab Control Sample Dup	56	54	61	67	56	64
MB 400-315114/1-A	Method Blank	51	50	56	61	53	31

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)
400-124559-3	MW28-ROX-071416	68	46	41
400-124559-4	ROST3MW-ROX-071416	52	47	44
400-124559-5	MW1-ROX-071416	51	53	51
400-124559-6	MW2-ROX-071416	26 X	41	58
LCS 400-315114/2-A	Lab Control Sample	80	81	76
LCSD 400-315114/3-A	Lab Control Sample Dup	62	67	62
MB 400-315114/1-A	Method Blank	76	59	58

Surrogate Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 3Q16

TestAmerica Job ID: 400-124559-1
SDG: 60477387 - 1.03.003/1.03.0033

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)**
400-124559-1	TB-ROX-071416R-8011	100
400-124559-3	MW28-ROX-071416	89
400-124559-4	ROST3MW-ROX-071416	81
400-124559-5	MW1-ROX-071416	66
400-124559-6	MW2-ROX-071416	40 X
LCS 400-315511/2-A	Lab Control Sample	88
LCSD 400-315511/3-A	Lab Control Sample Dup	101
MB 400-315511/1-A	Method Blank	88

Surrogate Legend

BFB = 4-Bromofluorobenzene

Method Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 3Q16

TestAmerica Job ID: 400-124559-1
SDG: 60477387 - 1.03.003/1.03.0033

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: TB-ROX-071416R-8011

Lab Sample ID: 400-124559-1
Matrix: Water

Date Collected: 07/14/16 00:00
Date Received: 07/15/16 15:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	315511	07/24/16 10:44	AM	TAL PEN
Total/NA	Analysis	8011		1			315814	07/26/16 05:59	AM	TAL PEN

Client Sample ID: TB-ROX-071416R-8260

Lab Sample ID: 400-124559-2
Matrix: Water

Date Collected: 07/14/16 00:00
Date Received: 07/15/16 15:08

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	315486	07/23/16 17:57	HLW	TAL PEN

Client Sample ID: MW28-ROX-071416

Lab Sample ID: 400-124559-3
Matrix: Water

Date Collected: 07/14/16 09:35
Date Received: 07/15/16 15:08

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	315486	07/23/16 18:23	HLW	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	315114	07/20/16 16:29	RMC	TAL PEN
Total/NA	Analysis	8270D		1			315904	07/27/16 12:02	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	315114	07/20/16 16:29	RMC	TAL PEN
Total/NA	Analysis	8270D LL		1			315581	07/25/16 11:21	VC1	TAL PEN
Total/NA	Prep	8011			34.1 mL	35 mL	315511	07/24/16 10:44	AM	TAL PEN
Total/NA	Analysis	8011		1			315814	07/26/16 06:29	AM	TAL PEN

Client Sample ID: ROST3MW-ROX-071416

Lab Sample ID: 400-124559-4
Matrix: Water

Date Collected: 07/14/16 10:25
Date Received: 07/15/16 15:08

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	315486	07/23/16 20:07	HLW	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	315114	07/20/16 16:29	RMC	TAL PEN
Total/NA	Analysis	8270D		1			315904	07/27/16 12:32	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	315114	07/20/16 16:29	RMC	TAL PEN
Total/NA	Analysis	8270D LL		1			315581	07/25/16 11:46	VC1	TAL PEN
Total/NA	Prep	8011			33 mL	35 mL	315511	07/24/16 10:44	AM	TAL PEN
Total/NA	Analysis	8011		1			315814	07/26/16 06:59	AM	TAL PEN

Client Sample ID: MW1-ROX-071416

Lab Sample ID: 400-124559-5
Matrix: Water

Date Collected: 07/14/16 11:55
Date Received: 07/15/16 15:08

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	315486	07/23/16 20:33	HLW	TAL PEN

Client Sample ID: MW1-ROX-071416

Lab Sample ID: 400-124559-5
Matrix: Water

Date Collected: 07/14/16 11:55
Date Received: 07/15/16 15:08

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	315114	07/20/16 16:29	RMC	TAL PEN
Total/NA	Analysis	8270D		1			315904	07/27/16 13:02	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	315114	07/20/16 16:29	RMC	TAL PEN
Total/NA	Analysis	8270D LL		1			315581	07/25/16 12:12	VC1	TAL PEN
Total/NA	Prep	8011			36 mL	35 mL	315511	07/24/16 10:44	AM	TAL PEN
Total/NA	Analysis	8011		1			315814	07/26/16 07:29	AM	TAL PEN

Client Sample ID: MW2-ROX-071416

Lab Sample ID: 400-124559-6
Matrix: Water

Date Collected: 07/14/16 14:05
Date Received: 07/15/16 15:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		2	5 mL	5 mL	315486	07/23/16 23:09	HLW	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	315114	07/20/16 16:29	RMC	TAL PEN
Total/NA	Analysis	8270D		1			315904	07/27/16 13:33	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	315114	07/20/16 16:29	RMC	TAL PEN
Total/NA	Analysis	8270D LL		1			315581	07/25/16 12:38	VC1	TAL PEN
Total/NA	Prep	8011			33.9 mL	35 mL	315511	07/24/16 10:44	AM	TAL PEN
Total/NA	Analysis	8011		1			315814	07/26/16 08:28	AM	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-315114/1-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	315114	07/20/16 16:29	RMC	TAL PEN
Total/NA	Analysis	8270D		1			315708	07/26/16 17:31	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	315114	07/20/16 16:29	RMC	TAL PEN
Total/NA	Analysis	8270D LL		1			315542	07/23/16 02:45	VC1	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-315486/4
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	315486	07/23/16 16:39	HLW	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-315511/1-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	315511	07/24/16 10:44	AM	TAL PEN

Lab Chronicle

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 3Q16

TestAmerica Job ID: 400-124559-1
SDG: 60477387 - 1.03.003/1.03.0033

Client Sample ID: Method Blank — Lab Sample ID: MB 400-315511/1-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	Analysis	8011		1			315814	07/25/16 21:33	AM	TAL PEN

Client Sample ID: Lab Control Sample — Lab Sample ID: LCS 400-315114/2-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	315114	07/20/16 16:29	RMC	TAL PEN
Total/NA	Analysis	8270D		1			315708	07/26/16 18:01	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	315114	07/20/16 16:29	RMC	TAL PEN
Total/NA	Analysis	8270D LL		5			315542	07/23/16 03:11	VC1	TAL PEN

Client Sample ID: Lab Control Sample — Lab Sample ID: LCS 400-315486/1002

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	315486	07/23/16 15:31	HLW	TAL PEN

Client Sample ID: Lab Control Sample — Lab Sample ID: LCS 400-315511/2-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	8011			35 mL	35 mL	315511	07/24/16 10:44	AM	TAL PEN
Total/NA	Analysis	8011		1			315814	07/25/16 22:03	AM	TAL PEN

Client Sample ID: Lab Control Sample Dup — Lab Sample ID: LCSD 400-315114/3-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	315114	07/20/16 16:29	RMC	TAL PEN
Total/NA	Analysis	8270D		1			315977	07/27/16 15:56	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	315114	07/20/16 16:29	RMC	TAL PEN
Total/NA	Analysis	8270D		1			315708	07/26/16 18:32	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	315114	07/20/16 16:29	RMC	TAL PEN
Total/NA	Analysis	8270D LL		5			315542	07/23/16 03:36	VC1	TAL PEN

Lab Chronicle

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 3Q16

TestAmerica Job ID: 400-124559-1
SDG: 60477387 - 1.03.003/1.03.0033

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-315511/3-A

Date Collected: N/A
Matrix: Water
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	315511	07/24/16 10:44	AM	TAL PEN
Total/NA	Analysis	8011		1			315814	07/25/16 22:33	AM	TAL PEN

Client Sample ID: MW28-ROX-071416

Lab Sample ID: 400-124559-3 MS

Date Collected: 07/14/16 09:35
Matrix: Water
Date Received: 07/15/16 15:08

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	315486	07/23/16 18:49	HLW	TAL PEN

Client Sample ID: MW28-ROX-071416

Lab Sample ID: 400-124559-3 MSD

Date Collected: 07/14/16 09:35
Matrix: Water
Date Received: 07/15/16 15:08

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	315486	07/23/16 19:15	HLW	TAL PEN

Laboratory References:

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

GC/MS VOA

Analysis Batch: 315486

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124559-2	TB-ROX-071416R-8260	Total/NA	Water	8260B	
400-124559-3	MW28-ROX-071416	Total/NA	Water	8260B	
400-124559-4	ROST3MW-ROX-071416	Total/NA	Water	8260B	
400-124559-5	MW1-ROX-071416	Total/NA	Water	8260B	
400-124559-6	MW2-ROX-071416	Total/NA	Water	8260B	
MB 400-315486/4	Method Blank	Total/NA	Water	8260B	
LCS 400-315486/1002	Lab Control Sample	Total/NA	Water	8260B	
400-124559-3 MS	MW28-ROX-071416	Total/NA	Water	8260B	
400-124559-3 MSD	MW28-ROX-071416	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 315114

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124559-3	MW28-ROX-071416	Total/NA	Water	3520C	
400-124559-4	ROST3MW-ROX-071416	Total/NA	Water	3520C	
400-124559-5	MW1-ROX-071416	Total/NA	Water	3520C	
400-124559-6	MW2-ROX-071416	Total/NA	Water	3520C	
MB 400-315114/1-A	Method Blank	Total/NA	Water	3520C	
LCS 400-315114/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 400-315114/3-A	Lab Control Sample Dup	Total/NA	Water	3520C	

Analysis Batch: 315542

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-315114/1-A	Method Blank	Total/NA	Water	8270D LL	315114
LCS 400-315114/2-A	Lab Control Sample	Total/NA	Water	8270D LL	315114
LCSD 400-315114/3-A	Lab Control Sample Dup	Total/NA	Water	8270D LL	315114

Analysis Batch: 315581

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124559-3	MW28-ROX-071416	Total/NA	Water	8270D LL	315114
400-124559-4	ROST3MW-ROX-071416	Total/NA	Water	8270D LL	315114
400-124559-5	MW1-ROX-071416	Total/NA	Water	8270D LL	315114
400-124559-6	MW2-ROX-071416	Total/NA	Water	8270D LL	315114

Analysis Batch: 315708

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-315114/1-A	Method Blank	Total/NA	Water	8270D	315114
LCS 400-315114/2-A	Lab Control Sample	Total/NA	Water	8270D	315114
LCSD 400-315114/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	315114

Analysis Batch: 315904

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124559-3	MW28-ROX-071416	Total/NA	Water	8270D	315114
400-124559-4	ROST3MW-ROX-071416	Total/NA	Water	8270D	315114
400-124559-5	MW1-ROX-071416	Total/NA	Water	8270D	315114
400-124559-6	MW2-ROX-071416	Total/NA	Water	8270D	315114

GC/MS Semi VOA (Continued)

Analysis Batch: 315977

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 400-315114/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	315114

GC Semi VOA

Prep Batch: 315511

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124559-1	TB-ROX-071416R-8011	Total/NA	Water	8011	
400-124559-3	MW28-ROX-071416	Total/NA	Water	8011	
400-124559-4	ROST3MW-ROX-071416	Total/NA	Water	8011	
400-124559-5	MW1-ROX-071416	Total/NA	Water	8011	
400-124559-6	MW2-ROX-071416	Total/NA	Water	8011	
MB 400-315511/1-A	Method Blank	Total/NA	Water	8011	
LCS 400-315511/2-A	Lab Control Sample	Total/NA	Water	8011	
LCSD 400-315511/3-A	Lab Control Sample Dup	Total/NA	Water	8011	

Analysis Batch: 315814

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124559-1	TB-ROX-071416R-8011	Total/NA	Water	8011	315511
400-124559-3	MW28-ROX-071416	Total/NA	Water	8011	315511
400-124559-4	ROST3MW-ROX-071416	Total/NA	Water	8011	315511
400-124559-5	MW1-ROX-071416	Total/NA	Water	8011	315511
400-124559-6	MW2-ROX-071416	Total/NA	Water	8011	315511
MB 400-315511/1-A	Method Blank	Total/NA	Water	8011	315511
LCS 400-315511/2-A	Lab Control Sample	Total/NA	Water	8011	315511
LCSD 400-315511/3-A	Lab Control Sample Dup	Total/NA	Water	8011	315511

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

Lab Sample ID: MB 400-315486/4
Matrix: Water
Analysis Batch: 315486

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			07/23/16 16:39	1
Acrolein	ND		20	10	ug/L			07/23/16 16:39	1
Acrylonitrile	ND		10	2.8	ug/L			07/23/16 16:39	1
Benzene	ND		1.0	0.38	ug/L			07/23/16 16:39	1
Bromobenzene	ND		1.0	0.54	ug/L			07/23/16 16:39	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/23/16 16:39	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/23/16 16:39	1
Bromoform	ND		5.0	0.71	ug/L			07/23/16 16:39	1
Bromomethane	ND		1.0	0.98	ug/L			07/23/16 16:39	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/23/16 16:39	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/23/16 16:39	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			07/23/16 16:39	1
Chlorobenzene	ND		1.0	0.50	ug/L			07/23/16 16:39	1
Dibromochloromethane	ND		1.0	0.50	ug/L			07/23/16 16:39	1
Chloroethane	ND		1.0	0.76	ug/L			07/23/16 16:39	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/23/16 16:39	1
Chloroform	ND		1.0	0.60	ug/L			07/23/16 16:39	1
1-Chlorohexane	ND		1.0	0.70	ug/L			07/23/16 16:39	1
Chloromethane	ND		1.0	0.83	ug/L			07/23/16 16:39	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/23/16 16:39	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/23/16 16:39	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/23/16 16:39	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/23/16 16:39	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/23/16 16:39	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/23/16 16:39	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/23/16 16:39	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			07/23/16 16:39	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/23/16 16:39	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/23/16 16:39	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/23/16 16:39	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/23/16 16:39	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			07/23/16 16:39	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/23/16 16:39	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/23/16 16:39	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/23/16 16:39	1
2-Hexanone	ND		25	3.1	ug/L			07/23/16 16:39	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/23/16 16:39	1
Methylene bromide	ND		5.0	0.59	ug/L			07/23/16 16:39	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/23/16 16:39	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/23/16 16:39	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			07/23/16 16:39	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			07/23/16 16:39	1
Naphthalene	ND		1.0	1.0	ug/L			07/23/16 16:39	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/23/16 16:39	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/23/16 16:39	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/23/16 16:39	1
o-Xylene	ND		5.0	0.60	ug/L			07/23/16 16:39	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/23/16 16:39	1

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

Lab Sample ID: MB 400-315486/4
Matrix: Water
Analysis Batch: 315486

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			07/23/16 16:39	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/23/16 16:39	1
Styrene	ND		1.0	1.0	ug/L			07/23/16 16:39	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/23/16 16:39	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			07/23/16 16:39	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/23/16 16:39	1
Tetrachloroethene	ND		1.0	0.58	ug/L			07/23/16 16:39	1
Toluene	ND		1.0	0.70	ug/L			07/23/16 16:39	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/23/16 16:39	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/23/16 16:39	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			07/23/16 16:39	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/23/16 16:39	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			07/23/16 16:39	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			07/23/16 16:39	1
Trichloroethene	ND		1.0	0.50	ug/L			07/23/16 16:39	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			07/23/16 16:39	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/23/16 16:39	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/23/16 16:39	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/23/16 16:39	1
Vinyl acetate	ND		25	2.0	ug/L			07/23/16 16:39	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/23/16 16:39	1
Xylenes, Total	ND		10	1.6	ug/L			07/23/16 16:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*78 - 118*		*07/23/16 16:39*	*1*
Dibromofluoromethane	*103*		*81 - 121*		*07/23/16 16:39*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*07/23/16 16:39*	*1*

Lab Sample ID: LCS 400-315486/1002
Matrix: Water
Analysis Batch: 315486

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	200	199		ug/L		100	43 - 160
Acrolein	400	420		ug/L		105	38 - 160
Acrylonitrile	500	522		ug/L		104	64 - 142
Benzene	50.0	49.0		ug/L		98	70 - 130
Bromobenzene	50.0	52.1		ug/L		104	70 - 132
Bromochloromethane	50.0	47.0		ug/L		94	70 - 130
Bromodichloromethane	50.0	49.7		ug/L		99	67 - 133
Bromoform	50.0	51.4		ug/L		103	57 - 140
Bromomethane	40.0	29.6		ug/L		74	10 - 160
2-Butanone (MEK)	200	205		ug/L		102	61 - 145
Carbon disulfide	50.0	48.1		ug/L		96	61 - 137
Carbon tetrachloride	50.0	46.8		ug/L		94	61 - 137
Chlorobenzene	50.0	52.1		ug/L		104	70 - 130
Dibromochloromethane	50.0	50.8		ug/L		102	67 - 135
Chloroethane	40.0	38.7		ug/L		97	55 - 141

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

Lab Sample ID: LCS 400-315486/1002
Matrix: Water
Analysis Batch: 315486

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	116	*	ug/L		289	10 - 160
Chloroform	50.0	47.0		ug/L		94	69 - 130
1-Chlorohexane	50.0	51.2		ug/L		102	69 - 130
Chloromethane	40.0	40.2		ug/L		100	58 - 137
cis-1,2-Dichloroethene	50.0	47.9		ug/L		96	68 - 130
cis-1,3-Dichloropropene	50.0	49.9		ug/L		100	69 - 132
1,2-Dichlorobenzene	50.0	51.8		ug/L		104	67 - 130
1,3-Dichlorobenzene	50.0	52.2		ug/L		104	70 - 130
1,4-Dichlorobenzene	50.0	54.0		ug/L		108	70 - 130
Dichlorodifluoromethane	40.0	36.0		ug/L		90	41 - 146
1,1-Dichloroethane	50.0	49.2		ug/L		98	70 - 130
1,2-Dichloroethane	50.0	47.8		ug/L		96	69 - 130
1,1-Dichloroethene	50.0	47.7		ug/L		95	63 - 134
1,2-Dichloropropane	50.0	47.4		ug/L		95	70 - 130
1,3-Dichloropropane	50.0	50.4		ug/L		101	70 - 130
2,2-Dichloropropane	50.0	46.6		ug/L		93	52 - 135
1,1-Dichloropropene	50.0	49.3		ug/L		99	70 - 130
Ethylbenzene	50.0	50.6		ug/L		101	70 - 130
Ethyl methacrylate	50.0	51.5		ug/L		103	68 - 130
Hexachlorobutadiene	50.0	54.4		ug/L		109	53 - 140
2-Hexanone	200	213		ug/L		106	65 - 137
Isopropylbenzene	50.0	51.8		ug/L		104	70 - 130
Methylene bromide	50.0	49.1		ug/L		98	70 - 130
Methylene Chloride	50.0	47.7		ug/L		95	66 - 135
4-Methyl-2-pentanone (MIBK)	200	214		ug/L		107	69 - 138
Methyl tert-butyl ether	50.0	48.2		ug/L		96	66 - 130
m-Xylene & p-Xylene	50.0	51.0		ug/L		102	70 - 130
Naphthalene	50.0	53.1		ug/L		106	47 - 149
n-Butylbenzene	50.0	51.7		ug/L		103	67 - 130
N-Propylbenzene	50.0	50.0		ug/L		100	70 - 130
o-Chlorotoluene	50.0	48.9		ug/L		98	70 - 130
o-Xylene	50.0	50.9		ug/L		102	70 - 130
p-Chlorotoluene	50.0	51.3		ug/L		103	70 - 130
p-Isopropyltoluene	50.0	51.3		ug/L		103	65 - 130
sec-Butylbenzene	50.0	50.1		ug/L		100	66 - 130
Styrene	50.0	50.6		ug/L		101	70 - 130
tert-Butylbenzene	50.0	52.3		ug/L		105	64 - 139
1,1,1,2-Tetrachloroethane	50.0	51.2		ug/L		102	67 - 131
1,1,2,2-Tetrachloroethane	50.0	55.2		ug/L		110	70 - 131
Tetrachloroethene	50.0	50.4		ug/L		101	65 - 130
Toluene	50.0	50.4		ug/L		101	70 - 130
trans-1,2-Dichloroethene	50.0	47.7		ug/L		95	70 - 130
trans-1,3-Dichloropropene	50.0	50.8		ug/L		102	63 - 130
1,2,3-Trichlorobenzene	50.0	54.7		ug/L		109	60 - 138
1,2,4-Trichlorobenzene	50.0	56.1		ug/L		112	60 - 140
1,1,1-Trichloroethane	50.0	48.5		ug/L		97	68 - 130
1,1,2-Trichloroethane	50.0	50.9		ug/L		102	70 - 130
Trichloroethene	50.0	50.7		ug/L		101	70 - 130

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

Lab Sample ID: LCS 400-315486/1002
Matrix: Water
Analysis Batch: 315486

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	38.8		ug/L		97	65 - 138
1,2,3-Trichloropropane	50.0	50.7		ug/L		101	70 - 130
1,2,4-Trimethylbenzene	50.0	48.5		ug/L		97	70 - 130
1,3,5-Trimethylbenzene	50.0	52.2		ug/L		104	69 - 130
Vinyl acetate	80.0	82.1		ug/L		103	26 - 160
Vinyl chloride	40.0	40.5		ug/L		101	59 - 136
Xylenes, Total	100	102		ug/L		102	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*103*		*78 - 118*
Dibromofluoromethane	*100*		*81 - 121*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: 400-124559-3 MS
Matrix: Water
Analysis Batch: 315486

Client Sample ID: MW28-ROX-071416
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		200	183		ug/L		92	43 - 160
Acrolein	ND		400	476		ug/L		119	38 - 160
Acrylonitrile	ND		500	583		ug/L		117	62 - 149
Benzene	9.8		50.0	60.2		ug/L		101	56 - 142
Bromobenzene	ND		50.0	52.8		ug/L		106	59 - 136
Bromochloromethane	ND		50.0	50.9		ug/L		102	64 - 140
Bromodichloromethane	ND		50.0	51.8		ug/L		104	59 - 143
Bromoform	ND		50.0	53.4		ug/L		107	50 - 140
Bromomethane	ND		40.0	34.0		ug/L		85	10 - 160
2-Butanone (MEK)	ND		200	221		ug/L		110	55 - 150
Carbon disulfide	ND		50.0	51.0		ug/L		102	48 - 152
Carbon tetrachloride	ND		50.0	49.0		ug/L		98	55 - 145
Chlorobenzene	ND		50.0	55.6		ug/L		111	64 - 130
Dibromochloromethane	ND		50.0	52.9		ug/L		106	56 - 143
Chloroethane	ND		40.0	43.0		ug/L		108	50 - 151
2-Chloroethyl vinyl ether	ND	F1 *	40.0	ND	F1	ug/L		0	10 - 160
Chloroform	ND		50.0	51.0		ug/L		102	60 - 141
1-Chlorohexane	ND		50.0	53.6		ug/L		107	56 - 136
Chloromethane	ND		40.0	41.0		ug/L		103	49 - 148
cis-1,2-Dichloroethene	ND		50.0	51.4		ug/L		103	59 - 143
cis-1,3-Dichloropropene	ND		50.0	52.6		ug/L		105	57 - 140
1,2-Dichlorobenzene	ND		50.0	53.3		ug/L		107	52 - 137
1,3-Dichlorobenzene	ND		50.0	52.6		ug/L		105	54 - 135
1,4-Dichlorobenzene	ND		50.0	53.9		ug/L		108	53 - 135
Dichlorodifluoromethane	ND		40.0	35.0		ug/L		88	16 - 160
1,1-Dichloroethane	ND		50.0	52.3		ug/L		105	61 - 144
1,2-Dichloroethane	ND		50.0	52.0		ug/L		104	60 - 141
1,1-Dichloroethene	ND		50.0	50.7		ug/L		101	54 - 147
1,2-Dichloropropane	ND		50.0	50.2		ug/L		100	66 - 137
1,3-Dichloropropane	ND		50.0	54.6		ug/L		109	66 - 133

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

Lab Sample ID: 400-124559-3 MS
Matrix: Water
Analysis Batch: 315486

Client Sample ID: MW28-ROX-071416
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	48.4		ug/L		97	42 - 144
1,1-Dichloropropene	ND		50.0	51.7		ug/L		103	65 - 136
Ethylbenzene	ND		50.0	53.7		ug/L		107	58 - 131
Ethyl methacrylate	ND		50.0	56.0		ug/L		112	64 - 130
Hexachlorobutadiene	ND		50.0	51.0		ug/L		102	31 - 149
2-Hexanone	ND		200	233		ug/L		117	65 - 140
Isopropylbenzene	ND		50.0	54.6		ug/L		109	56 - 133
Methylene bromide	ND		50.0	52.3		ug/L		105	63 - 138
Methylene Chloride	ND		50.0	51.2		ug/L		102	60 - 146
4-Methyl-2-pentanone (MIBK)	ND		200	236		ug/L		118	63 - 146
Methyl tert-butyl ether	1.1		50.0	52.8		ug/L		103	59 - 137
m-Xylene & p-Xylene	ND		50.0	54.7		ug/L		109	57 - 130
Naphthalene	ND		50.0	54.2		ug/L		108	25 - 160
n-Butylbenzene	ND		50.0	50.0		ug/L		100	41 - 142
N-Propylbenzene	ND		50.0	50.3		ug/L		101	51 - 138
o-Chlorotoluene	ND		50.0	48.2		ug/L		96	53 - 134
o-Xylene	ND		50.0	54.2		ug/L		108	61 - 130
p-Chlorotoluene	ND		50.0	50.9		ug/L		102	54 - 133
p-Isopropyltoluene	ND		50.0	50.4		ug/L		101	48 - 139
sec-Butylbenzene	ND		50.0	49.8		ug/L		100	50 - 138
Styrene	ND		50.0	53.3		ug/L		107	58 - 131
tert-Butylbenzene	ND		50.0	53.4		ug/L		107	54 - 146
1,1,1,2-Tetrachloroethane	ND		50.0	53.9		ug/L		108	59 - 137
1,1,2,2-Tetrachloroethane	ND		50.0	56.6		ug/L		113	66 - 135
Tetrachloroethene	ND		50.0	52.0		ug/L		104	52 - 133
Toluene	1.3		50.0	55.0		ug/L		107	65 - 130
trans-1,2-Dichloroethene	ND		50.0	50.1		ug/L		100	61 - 143
trans-1,3-Dichloropropene	ND		50.0	53.5		ug/L		107	53 - 133
1,2,3-Trichlorobenzene	ND		50.0	54.0		ug/L		108	43 - 145
1,2,4-Trichlorobenzene	ND		50.0	53.9		ug/L		108	39 - 148
1,1,1-Trichloroethane	ND		50.0	52.5		ug/L		105	57 - 142
1,1,2-Trichloroethane	ND		50.0	56.2		ug/L		112	66 - 131
Trichloroethene	ND		50.0	53.1		ug/L		106	64 - 136
Trichlorofluoromethane	ND		40.0	43.7		ug/L		109	54 - 156
1,2,3-Trichloropropane	ND		50.0	55.9		ug/L		112	65 - 133
1,2,4-Trimethylbenzene	ND		50.0	49.7		ug/L		99	50 - 139
1,3,5-Trimethylbenzene	ND		50.0	53.0		ug/L		106	52 - 135
Vinyl acetate	ND		80.0	88.3		ug/L		110	26 - 160
Vinyl chloride	ND		40.0	41.9		ug/L		105	46 - 152
Xylenes, Total	1.7	J	100	109		ug/L		107	59 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*78 - 118*
Dibromofluoromethane	*99*		*81 - 121*
Toluene-d8 (Surr)	*101*		*80 - 120*

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

Lab Sample ID: 400-124559-3 MSD
Matrix: Water
Analysis Batch: 315486

Client Sample ID: MW28-ROX-071416
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	168		ug/L		84	43 - 160	9	30
Acrolein	ND		400	433		ug/L		108	38 - 160	9	31
Acrylonitrile	ND		500	534		ug/L		107	62 - 149	9	30
Benzene	9.8		50.0	58.1		ug/L		96	56 - 142	4	30
Bromobenzene	ND		50.0	50.4		ug/L		101	59 - 136	5	30
Bromochloromethane	ND		50.0	48.0		ug/L		96	64 - 140	6	30
Bromodichloromethane	ND		50.0	49.9		ug/L		100	59 - 143	4	30
Bromoform	ND		50.0	49.8		ug/L		100	50 - 140	7	30
Bromomethane	ND		40.0	31.3		ug/L		78	10 - 160	8	50
2-Butanone (MEK)	ND		200	200		ug/L		100	55 - 150	10	30
Carbon disulfide	ND		50.0	48.5		ug/L		97	48 - 152	5	30
Carbon tetrachloride	ND		50.0	47.2		ug/L		94	55 - 145	4	30
Chlorobenzene	ND		50.0	52.1		ug/L		104	64 - 130	6	30
Dibromochloromethane	ND		50.0	49.5		ug/L		99	56 - 143	7	30
Chloroethane	ND		40.0	40.4		ug/L		101	50 - 151	6	30
2-Chloroethyl vinyl ether	ND	F1 *	40.0	ND	F1	ug/L		0	10 - 160	NC	50
Chloroform	ND		50.0	48.4		ug/L		97	60 - 141	5	30
1-Chlorohexane	ND		50.0	51.1		ug/L		102	56 - 136	5	30
Chloromethane	ND		40.0	38.5		ug/L		96	49 - 148	6	31
cis-1,2-Dichloroethene	ND		50.0	49.1		ug/L		98	59 - 143	5	30
cis-1,3-Dichloropropene	ND		50.0	49.4		ug/L		99	57 - 140	6	30
1,2-Dichlorobenzene	ND		50.0	51.3		ug/L		103	52 - 137	4	30
1,3-Dichlorobenzene	ND		50.0	50.5		ug/L		101	54 - 135	4	30
1,4-Dichlorobenzene	ND		50.0	52.6		ug/L		105	53 - 135	3	30
Dichlorodifluoromethane	ND		40.0	33.1		ug/L		83	16 - 160	6	31
1,1-Dichloroethane	ND		50.0	49.7		ug/L		99	61 - 144	5	30
1,2-Dichloroethane	ND		50.0	48.3		ug/L		97	60 - 141	7	30
1,1-Dichloroethene	ND		50.0	48.0		ug/L		96	54 - 147	5	30
1,2-Dichloropropane	ND		50.0	48.2		ug/L		96	66 - 137	4	30
1,3-Dichloropropane	ND		50.0	51.3		ug/L		103	66 - 133	6	30
2,2-Dichloropropane	ND		50.0	45.8		ug/L		92	42 - 144	6	31
1,1-Dichloropropene	ND		50.0	49.6		ug/L		99	65 - 136	4	30
Ethylbenzene	ND		50.0	51.2		ug/L		102	58 - 131	5	30
Ethyl methacrylate	ND		50.0	51.7		ug/L		103	64 - 130	8	30
Hexachlorobutadiene	ND		50.0	51.3		ug/L		103	31 - 149	1	36
2-Hexanone	ND		200	212		ug/L		106	65 - 140	10	30
Isopropylbenzene	ND		50.0	51.8		ug/L		104	56 - 133	5	30
Methylene bromide	ND		50.0	49.5		ug/L		99	63 - 138	6	30
Methylene Chloride	ND		50.0	48.2		ug/L		96	60 - 146	6	32
4-Methyl-2-pentanone (MIBK)	ND		200	217		ug/L		109	63 - 146	8	30
Methyl tert-butyl ether	1.1		50.0	49.5		ug/L		97	59 - 137	7	30
m-Xylene & p-Xylene	ND		50.0	51.8		ug/L		104	57 - 130	5	30
Naphthalene	ND		50.0	52.3		ug/L		105	25 - 160	4	30
n-Butylbenzene	ND		50.0	50.0		ug/L		100	41 - 142	0	31
N-Propylbenzene	ND		50.0	48.7		ug/L		97	51 - 138	3	30
o-Chlorotoluene	ND		50.0	46.2		ug/L		92	53 - 134	4	30
o-Xylene	ND		50.0	51.4		ug/L		103	61 - 130	5	30
p-Chlorotoluene	ND		50.0	49.4		ug/L		99	54 - 133	3	30

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

Lab Sample ID: 400-124559-3 MSD
Matrix: Water
Analysis Batch: 315486

Client Sample ID: MW28-ROX-071416
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	50.0		ug/L		100	48 - 139	1	30
sec-Butylbenzene	ND		50.0	48.4		ug/L		97	50 - 138	3	30
Styrene	ND		50.0	50.2		ug/L		100	58 - 131	6	30
tert-Butylbenzene	ND		50.0	51.8		ug/L		104	54 - 146	3	30
1,1,1,2-Tetrachloroethane	ND		50.0	50.3		ug/L		101	59 - 137	7	30
1,1,2,2-Tetrachloroethane	ND		50.0	52.9		ug/L		106	66 - 135	7	30
Tetrachloroethene	ND		50.0	49.5		ug/L		99	52 - 133	5	30
Toluene	1.3		50.0	51.9		ug/L		101	65 - 130	6	30
trans-1,2-Dichloroethene	ND		50.0	48.0		ug/L		96	61 - 143	4	30
trans-1,3-Dichloropropene	ND		50.0	50.1		ug/L		100	53 - 133	7	30
1,2,3-Trichlorobenzene	ND		50.0	53.8		ug/L		108	43 - 145	1	30
1,2,4-Trichlorobenzene	ND		50.0	53.2		ug/L		106	39 - 148	1	30
1,1,1-Trichloroethane	ND		50.0	49.5		ug/L		99	57 - 142	6	30
1,1,2-Trichloroethane	ND		50.0	51.6		ug/L		103	66 - 131	9	30
Trichloroethene	ND		50.0	50.6		ug/L		101	64 - 136	5	30
Trichlorofluoromethane	ND		40.0	40.1		ug/L		100	54 - 156	9	30
1,2,3-Trichloropropane	ND		50.0	51.8		ug/L		104	65 - 133	8	30
1,2,4-Trimethylbenzene	ND		50.0	48.0		ug/L		96	50 - 139	3	30
1,3,5-Trimethylbenzene	ND		50.0	51.3		ug/L		103	52 - 135	3	30
Vinyl acetate	ND		80.0	82.2		ug/L		103	26 - 160	7	33
Vinyl chloride	ND		40.0	39.7		ug/L		99	46 - 152	6	30
Xylenes, Total	1.7	J	100	103		ug/L		102	59 - 130	5	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*78 - 118*
Dibromofluoromethane	*101*		*81 - 121*
Toluene-d8 (Surr)	*99*		*80 - 120*

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

Lab Sample ID: MB 400-315114/1-A
Matrix: Water
Analysis Batch: 315708

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 315114

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		07/20/16 16:29	07/26/16 17:31	1
Benzenethiol	ND		10	1.7	ug/L		07/20/16 16:29	07/26/16 17:31	1
Benzoic acid	ND		30	7.3	ug/L		07/20/16 16:29	07/26/16 17:31	1
Benzyl alcohol	ND		10	2.0	ug/L		07/20/16 16:29	07/26/16 17:31	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		07/20/16 16:29	07/26/16 17:31	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		07/20/16 16:29	07/26/16 17:31	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		07/20/16 16:29	07/26/16 17:31	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		07/20/16 16:29	07/26/16 17:31	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		07/20/16 16:29	07/26/16 17:31	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		07/20/16 16:29	07/26/16 17:31	1
4-Chloroaniline	ND		10	3.4	ug/L		07/20/16 16:29	07/26/16 17:31	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		07/20/16 16:29	07/26/16 17:31	1
2-Chloronaphthalene	ND		10	0.52	ug/L		07/20/16 16:29	07/26/16 17:31	1

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

Lab Sample ID: MB 400-315114/1-A
Matrix: Water
Analysis Batch: 315708

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 315114

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorophenol	ND		10	2.2	ug/L		07/20/16 16:29	07/26/16 17:31	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		07/20/16 16:29	07/26/16 17:31	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		07/20/16 16:29	07/26/16 17:31	1
Dibenzofuran	ND		10	0.52	ug/L		07/20/16 16:29	07/26/16 17:31	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		07/20/16 16:29	07/26/16 17:31	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		07/20/16 16:29	07/26/16 17:31	1
Diethyl phthalate	ND		10	0.70	ug/L		07/20/16 16:29	07/26/16 17:31	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		07/20/16 16:29	07/26/16 17:31	1
Dimethyl phthalate	ND		10	0.60	ug/L		07/20/16 16:29	07/26/16 17:31	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		07/20/16 16:29	07/26/16 17:31	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/20/16 16:29	07/26/16 17:31	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		07/20/16 16:29	07/26/16 17:31	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		07/20/16 16:29	07/26/16 17:31	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		07/20/16 16:29	07/26/16 17:31	1
Di-n-octyl phthalate	0.809	J	10	0.44	ug/L		07/20/16 16:29	07/26/16 17:31	1
1,4-Dioxane	ND		10	1.0	ug/L		07/20/16 16:29	07/26/16 17:31	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		07/20/16 16:29	07/26/16 17:31	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/20/16 16:29	07/26/16 17:31	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		07/20/16 16:29	07/26/16 17:31	1
Hexachloroethane	ND		10	4.2	ug/L		07/20/16 16:29	07/26/16 17:31	1
Indene	ND		10	1.0	ug/L		07/20/16 16:29	07/26/16 17:31	1
Isophorone	ND		10	0.57	ug/L		07/20/16 16:29	07/26/16 17:31	1
2-Methylphenol	ND		10	1.8	ug/L		07/20/16 16:29	07/26/16 17:31	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		07/20/16 16:29	07/26/16 17:31	1
2-Nitroaniline	ND		10	2.2	ug/L		07/20/16 16:29	07/26/16 17:31	1
3-Nitroaniline	ND		10	1.8	ug/L		07/20/16 16:29	07/26/16 17:31	1
4-Nitroaniline	ND		10	2.5	ug/L		07/20/16 16:29	07/26/16 17:31	1
Nitrobenzene	ND		10	0.55	ug/L		07/20/16 16:29	07/26/16 17:31	1
2-Nitrophenol	ND		10	0.65	ug/L		07/20/16 16:29	07/26/16 17:31	1
4-Nitrophenol	ND		10	2.1	ug/L		07/20/16 16:29	07/26/16 17:31	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		07/20/16 16:29	07/26/16 17:31	1
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		07/20/16 16:29	07/26/16 17:31	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		07/20/16 16:29	07/26/16 17:31	1
Pentachlorophenol	ND		20	1.8	ug/L		07/20/16 16:29	07/26/16 17:31	1
Phenol	ND		10	2.6	ug/L		07/20/16 16:29	07/26/16 17:31	1
Pyridine	ND		10	3.2	ug/L		07/20/16 16:29	07/26/16 17:31	1
Quinoline	ND		10	6.0	ug/L		07/20/16 16:29	07/26/16 17:31	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		07/20/16 16:29	07/26/16 17:31	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		07/20/16 16:29	07/26/16 17:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*51*		*34 - 120*	*07/20/16 16:29*	*07/26/16 17:31*	*1*
2-Fluorophenol	*50*		*10 - 120*	*07/20/16 16:29*	*07/26/16 17:31*	*1*
Nitrobenzene-d5	*56*		*27 - 120*	*07/20/16 16:29*	*07/26/16 17:31*	*1*
Phenol-d5	*61*		*10 - 120*	*07/20/16 16:29*	*07/26/16 17:31*	*1*
Terphenyl-d14	*53*		*53 - 125*	*07/20/16 16:29*	*07/26/16 17:31*	*1*
2,4,6-Tribromophenol	*31*		*15 - 135*	*07/20/16 16:29*	*07/26/16 17:31*	*1*

QC Sample Results

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 3Q16

TestAmerica Job ID: 400-124559-1
SDG: 60477387 - 1.03.003/1.03.0033

Lab Sample ID: LCS 400-315114/2-A
Matrix: Water
Analysis Batch: 315708

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 315114

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aniline	30.0	18.0		ug/L		60	10 - 145
Benzoic acid	121	23.0	J	ug/L		19	10 - 120
Benzyl alcohol	30.0	14.2	*	ug/L		47	51 - 121
Bis(2-chloroethoxy)methane	30.0	21.5		ug/L		72	54 - 123
Bis(2-chloroethyl)ether	30.0	23.0		ug/L		77	47 - 120
bis (2-chloroisopropyl) ether	30.0	23.4		ug/L		78	20 - 142
Bis(2-ethylhexyl) phthalate	30.0	21.4		ug/L		71	62 - 140
4-Bromophenyl phenyl ether	30.0	21.9		ug/L		73	62 - 132
Butyl benzyl phthalate	30.0	21.0		ug/L		70	51 - 150
4-Chloroaniline	30.0	19.1		ug/L		64	32 - 128
4-Chloro-3-methylphenol	30.0	23.8		ug/L		79	47 - 135
2-Chloronaphthalene	30.0	19.6		ug/L		65	24 - 150
2-Chlorophenol	30.0	20.8		ug/L		69	45 - 120
4-Chlorophenyl phenyl ether	30.0	20.2		ug/L		67	61 - 133
Dibenz[a,h]acridine	30.0	27.4		ug/L		91	60 - 131
Dibenzofuran	30.0	19.9		ug/L		66	62 - 124
3,3'-Dichlorobenzidine	40.0	29.1		ug/L		73	16 - 167
2,4-Dichlorophenol	30.0	22.4		ug/L		75	52 - 125
Diethyl phthalate	30.0	21.7		ug/L		72	55 - 140
2,4-Dimethylphenol	30.0	22.6		ug/L		75	52 - 121
Dimethyl phthalate	30.0	20.7		ug/L		69	50 - 133
Di-n-butyl phthalate	30.0	22.3		ug/L		74	59 - 144
4,6-Dinitro-ortho-cresol	60.0	8.01	J *	ug/L		13	46 - 136
2,4-Dinitrophenol	101	72.0		ug/L		71	22 - 146
2,4-Dinitrotoluene	30.0	22.3		ug/L		74	54 - 141
2,6-Dinitrotoluene	30.0	20.8		ug/L		69	61 - 130
Di-n-octyl phthalate	30.0	21.4		ug/L		71	55 - 140
1,4-Dioxane	30.0	13.9		ug/L		46	10 - 130
1,2-Diphenylhydrazine (as Azobenzene)	30.0	21.9		ug/L		73	55 - 139
Hexachlorobenzene	30.0	22.7		ug/L		76	60 - 138
Hexachlorocyclopentadiene	30.0	12.6	J	ug/L		42	1 - 139
Hexachloroethane	30.0	18.0		ug/L		60	46 - 121
Indene	30.0	23.4		ug/L		78	17 - 141
Isophorone	30.0	22.1		ug/L		74	57 - 122
2-Methylphenol	30.0	25.7		ug/L		86	38 - 121
3 & 4 Methylphenol	30.0	27.6		ug/L		92	43 - 126
2-Nitroaniline	30.0	25.2		ug/L		84	52 - 135
3-Nitroaniline	30.0	23.7		ug/L		79	51 - 128
4-Nitroaniline	30.0	25.3		ug/L		84	38 - 141
Nitrobenzene	30.0	21.9		ug/L		73	52 - 128
2-Nitrophenol	30.0	20.3		ug/L		68	47 - 129
4-Nitrophenol	60.0	45.5		ug/L		76	34 - 137
N-Nitrosodimethylamine	30.0	25.0		ug/L		83	21 - 134
N-Nitrosodi-n-propylamine	30.0	24.2		ug/L		81	41 - 143
N-Nitrosodiphenylamine	30.0	19.9		ug/L		66	10 - 185
Pentachlorophenol	60.0	35.7		ug/L		60	38 - 138
Phenol	30.0	24.9		ug/L		83	37 - 120
Pyridine	30.0	16.3		ug/L		54	10 - 127
Quinoline	30.0	25.4		ug/L		85	10 - 164

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

Lab Sample ID: LCS 400-315114/2-A
Matrix: Water
Analysis Batch: 315708

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 315114

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4,5-Trichlorophenol	30.0	22.0		ug/L		73	53 - 130
2,4,6-Trichlorophenol	30.0	20.4		ug/L		68	52 - 131

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*71*		*34 - 120*
2-Fluorophenol	*73*		*10 - 120*
Nitrobenzene-d5	*76*		*27 - 120*
Phenol-d5	*83*		*10 - 120*
Terphenyl-d14	*71*		*53 - 125*
2,4,6-Tribromophenol	*82*		*15 - 135*

Lab Sample ID: LCSD 400-315114/3-A
Matrix: Water
Analysis Batch: 315708

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 315114

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aniline	30.0	16.4		ug/L		55	10 - 145	9	30
Bis(2-chloroethoxy)methane	30.0	18.7		ug/L		62	54 - 123	14	30
Bis(2-chloroethyl)ether	30.0	20.1		ug/L		67	47 - 120	13	30
bis (2-chloroisopropyl) ether	30.0	20.8		ug/L		69	20 - 142	12	30
Butyl benzyl phthalate	30.0	18.1		ug/L		60	51 - 150	15	30
4-Chloroaniline	30.0	16.6		ug/L		55	32 - 128	14	30
4-Chloro-3-methylphenol	30.0	20.5		ug/L		68	47 - 135	15	30
2-Chloronaphthalene	30.0	17.1		ug/L		57	24 - 150	14	30
2-Chlorophenol	30.0	17.6		ug/L		59	45 - 120	17	30
Dibenz[a,h]acridine	30.0	22.0		ug/L		73	60 - 131	22	30
3,3'-Dichlorobenzidine	40.0	24.8		ug/L		62	16 - 167	16	30
2,4-Dichlorophenol	30.0	19.0		ug/L		63	52 - 125	16	30
Diethyl phthalate	30.0	18.7		ug/L		62	55 - 140	15	30
2,4-Dimethylphenol	30.0	19.3		ug/L		64	52 - 121	16	30
Dimethyl phthalate	30.0	17.6		ug/L		59	50 - 133	17	30
Di-n-butyl phthalate	30.0	18.9		ug/L		63	59 - 144	16	30
4,6-Dinitro-ortho-cresol	60.0	29.4	*	ug/L		49	46 - 136	114	30
2,4-Dinitrotoluene	30.0	18.9		ug/L		63	54 - 141	16	30
Di-n-octyl phthalate	30.0	19.0		ug/L		63	55 - 140	12	30
1,4-Dioxane	30.0	12.3		ug/L		41	10 - 130	13	30
1,2-Diphenylhydrazine (as Azobenzene)	30.0	18.6		ug/L		62	55 - 139	16	30
Hexachlorobenzene	30.0	19.0		ug/L		63	60 - 138	18	30
Hexachlorocyclopentadiene	30.0	9.66	J	ug/L		32	1 - 139	26	30
Hexachloroethane	30.0	15.3		ug/L		51	46 - 121	16	30
Indene	30.0	19.2		ug/L		64	17 - 141	19	30
Isophorone	30.0	19.0		ug/L		63	57 - 122	15	30
2-Methylphenol	30.0	22.8		ug/L		76	38 - 121	12	30
3 & 4 Methylphenol	30.0	25.4		ug/L		85	43 - 126	9	30
2-Nitroaniline	30.0	21.3		ug/L		71	52 - 135	17	30
3-Nitroaniline	30.0	20.5		ug/L		68	51 - 128	14	30
4-Nitroaniline	30.0	21.5		ug/L		72	38 - 141	16	30

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

Lab Sample ID: LCSD 400-315114/3-A
Matrix: Water
Analysis Batch: 315708

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 315114

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrobenzene	30.0	18.7		ug/L		62	52 - 128	16	30
2-Nitrophenol	30.0	17.4		ug/L		58	47 - 129	15	30
N-Nitrosodimethylamine	30.0	21.7		ug/L		72	21 - 134	14	30
N-Nitrosodi-n-propylamine	30.0	21.0		ug/L		70	41 - 143	14	30
N-Nitrosodiphenylamine	30.0	16.7		ug/L		56	10 - 185	17	30
Pentachlorophenol	60.0	28.4		ug/L		47	38 - 138	23	30
Phenol	30.0	21.4		ug/L		71	37 - 120	15	30
Pyridine	30.0	14.9		ug/L		50	10 - 127	9	30
Quinoline	30.0	20.9		ug/L		70	10 - 164	19	30
2,4,5-Trichlorophenol	30.0	18.7		ug/L		62	53 - 130	16	30
2,4,6-Trichlorophenol	30.0	17.3		ug/L		58	52 - 131	17	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*56*		*34 - 120*
2-Fluorophenol	*54*		*10 - 120*
Nitrobenzene-d5	*61*		*27 - 120*
Phenol-d5	*67*		*10 - 120*
Terphenyl-d14	*56*		*53 - 125*
2,4,6-Tribromophenol	*64*		*15 - 135*

Lab Sample ID: LCSD 400-315114/3-A
Matrix: Water
Analysis Batch: 315977

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 315114

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzoic acid	121	19.0	J	ug/L		16	10 - 120	19	30
Benzyl alcohol	30.0	17.6		ug/L		59	51 - 121	21	30
Bis(2-ethylhexyl) phthalate	30.0	21.5		ug/L		72	62 - 140	0	30
4-Bromophenyl phenyl ether	30.0	22.4		ug/L		75	62 - 132	3	30
4-Chlorophenyl phenyl ether	30.0	21.9		ug/L		73	61 - 133	8	30
Dibenzofuran	30.0	21.3		ug/L		71	62 - 124	7	30
2,4-Dinitrophenol	101	55.5		ug/L		55	22 - 146	26	30
2,6-Dinitrotoluene	30.0	23.6		ug/L		79	61 - 130	13	30
4-Nitrophenol	60.0	36.8		ug/L		61	34 - 137	21	30

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

Lab Sample ID: MB 400-315114/1-A
Matrix: Water
Analysis Batch: 315542

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 315114

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.020	ug/L		07/20/16 16:29	07/23/16 02:45	1
Acenaphthylene	ND		0.20	0.020	ug/L		07/20/16 16:29	07/23/16 02:45	1
Anthracene	ND		0.20	0.020	ug/L		07/20/16 16:29	07/23/16 02:45	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/20/16 16:29	07/23/16 02:45	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		07/20/16 16:29	07/23/16 02:45	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		07/20/16 16:29	07/23/16 02:45	1

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

Lab Sample ID: MB 400-315114/1-A
Matrix: Water
Analysis Batch: 315542

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 315114

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		07/20/16 16:29	07/23/16 02:45	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/20/16 16:29	07/23/16 02:45	1
Chrysene	ND		0.20	0.040	ug/L		07/20/16 16:29	07/23/16 02:45	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		07/20/16 16:29	07/23/16 02:45	1
Fluoranthene	ND		0.20	0.020	ug/L		07/20/16 16:29	07/23/16 02:45	1
Fluorene	ND		0.20	0.021	ug/L		07/20/16 16:29	07/23/16 02:45	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		07/20/16 16:29	07/23/16 02:45	1
Phenanthrene	ND		0.20	0.020	ug/L		07/20/16 16:29	07/23/16 02:45	1
Pyrene	ND		0.20	0.020	ug/L		07/20/16 16:29	07/23/16 02:45	1
1-Methylnaphthalene	ND		0.20	0.020	ug/L		07/20/16 16:29	07/23/16 02:45	1
2-Methylnaphthalene	ND		0.20	0.020	ug/L		07/20/16 16:29	07/23/16 02:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*76*		*33 - 138*	*07/20/16 16:29*	*07/23/16 02:45*	*1*
2-Fluorobiphenyl	*59*		*15 - 122*	*07/20/16 16:29*	*07/23/16 02:45*	*1*
Nitrobenzene-d5	*58*		*19 - 130*	*07/20/16 16:29*	*07/23/16 02:45*	*1*

Lab Sample ID: LCS 400-315114/2-A
Matrix: Water
Analysis Batch: 315542

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 315114

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	30.0	21.4		ug/L		71	41 - 120
Acenaphthylene	30.0	20.9		ug/L		70	44 - 120
Anthracene	30.0	22.3		ug/L		74	49 - 120
Benzo[a]anthracene	30.0	22.4		ug/L		75	61 - 135
Benzo[a]pyrene	30.0	22.8		ug/L		76	52 - 120
Benzo[b]fluoranthene	30.0	24.0		ug/L		80	53 - 134
Benzo[g,h,i]perylene	30.0	22.2		ug/L		74	47 - 133
Benzo[k]fluoranthene	30.0	19.7		ug/L		66	57 - 134
Chrysene	30.0	21.5		ug/L		72	55 - 122
Dibenz(a,h)anthracene	30.0	22.5		ug/L		75	48 - 146
Fluoranthene	30.0	24.8		ug/L		83	54 - 128
Fluorene	30.0	23.7		ug/L		79	45 - 125
Indeno[1,2,3-cd]pyrene	30.0	22.4		ug/L		75	43 - 142
Phenanthrene	30.0	17.6		ug/L		59	48 - 120
Pyrene	30.0	20.2		ug/L		67	48 - 132
1-Methylnaphthalene	30.0	21.1		ug/L		70	41 - 120
2-Methylnaphthalene	30.0	20.8		ug/L		69	32 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Terphenyl-d14	*80*		*33 - 138*
2-Fluorobiphenyl	*81*		*15 - 122*
Nitrobenzene-d5	*76*		*19 - 130*

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

Lab Sample ID: LCSD 400-315114/3-A
Matrix: Water
Analysis Batch: 315542

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 315114

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	30.0	19.3		ug/L		64	41 - 120	10	56
Acenaphthylene	30.0	19.3		ug/L		64	44 - 120	8	56
Anthracene	30.0	20.7		ug/L		69	49 - 120	7	51
Benzo[a]anthracene	30.0	20.3		ug/L		68	61 - 135	10	49
Benzo[a]pyrene	30.0	21.2		ug/L		71	52 - 120	7	50
Benzo[b]fluoranthene	30.0	21.9		ug/L		73	53 - 134	10	54
Benzo[g,h,i]perylene	30.0	20.8		ug/L		69	47 - 133	7	50
Benzo[k]fluoranthene	30.0	17.9		ug/L		60	57 - 134	10	52
Chrysene	30.0	19.6		ug/L		65	55 - 122	9	50
Dibenz(a,h)anthracene	30.0	21.6		ug/L		72	48 - 146	4	50
Fluoranthene	30.0	23.2		ug/L		77	54 - 128	7	52
Fluorene	30.0	21.5		ug/L		72	45 - 125	9	56
Indeno[1,2,3-cd]pyrene	30.0	21.6		ug/L		72	43 - 142	4	51
Phenanthrene	30.0	16.1		ug/L		54	48 - 120	9	56
Pyrene	30.0	18.4		ug/L		61	48 - 132	9	52
1-Methylnaphthalene	30.0	19.4		ug/L		65	41 - 120	8	55
2-Methylnaphthalene	30.0	19.2		ug/L		64	32 - 124	8	57

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Terphenyl-d14	*62*		*33 - 138*
2-Fluorobiphenyl	*67*		*15 - 122*
Nitrobenzene-d5	*62*		*19 - 130*

Method: 8011 - EDB and DBCP in Water by Microextraction

Lab Sample ID: MB 400-315511/1-A
Matrix: Water
Analysis Batch: 315814

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 315511

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		07/24/16 10:44	07/25/16 21:33	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		07/24/16 10:44	07/25/16 21:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*		*51 - 149*	*07/24/16 10:44*	*07/25/16 21:33*	*1*

Lab Sample ID: LCS 400-315511/2-A
Matrix: Water
Analysis Batch: 315814

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 315511

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	0.100	0.0944		ug/L		94	60 - 140
1,2-Dibromoethane	0.100	0.0984		ug/L		98	60 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*88*		*51 - 149*

Method: 8011 - EDB and DBCP in Water by Microextraction (Continued)

Lab Sample ID: LCSD 400-315511/3-A
Matrix: Water
Analysis Batch: 315814

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 315511

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane			0.100	0.0942		ug/L		94	60 - 140	0	30
1,2-Dibromoethane			0.100	0.109		ug/L		109	60 - 140	10	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 # 1364009 (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
Bob Billman	25278
PO #	GSAP Project ID
60477387 - 1.03.003 / 1.03.0033	USPC/00114/R/02

☐ CHECK IF NO INCIDENT # APPLIES
DATE: 14 July 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 - 1.03.003 / 1.03.0033
ADDRESS: 1001 HIGHLANDS PLAZA DRIVE WEST - SUITE 300; ST. LOUIS, MO 63110
EDF DELIVERABLE TO (Name, Company, Office Location):
PHONE NO.:
E-MAIL:
AECOM Other ID
PROJECT CONTACT (Hardcopy or PDF Report to): Elizabeth Kunkel, Bob Billman, Lindsay Rathnow
SAMPLER NAME(S) (Print): S. Fisher / 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

☐ LA - RWQCB REPORT FORMAT

DELIVERABLES: ☑ LLEVEL 2 ☐ LEVEL ☑ 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

☑ 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 - 1.03.0033: VOC 8011	PAH 8270LL	NON-UNIT COST 60477387 - 1.03.003: VOC 8260	SVOC 8270	Container PID Readings or Laboratory Notes
	TB-ROX-071416R-8011	7/14/16	0000	Water	2					2	X				
	TB-ROX-071416R-8260		0000		2					2			X		
	MW28-ROX-071416		0935		4			2		6	2	1	2	1	
	ROST3MW-ROX-071416		1025		4			2		6	2	1	2	1	
	MW1-ROX-071416		1155		4			2		6	2	1	2	1	
	MW2-ROX-071416		1405		4			2		6	2	1	2	1	

FIELD NOTES:
TEMPERATURE ON RECEIPT C°: 3.0, 2.4, 1.5 TR6
400-124559 COC

14 July 2016

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
	7/15/16	14 July 2016	1730
	7/15/16	7/15/16	836

Custody Seals: TestAmerica:
743261 | 784703
784701 | 784704
784702 | 784705

Ref: S400-56444
Dep:
Date: 20Jun16
Wgt: 10.00 LBS
DV: 0.00
SHIPPING: 0.00
SPECIAL: 0.00
HANDLING: 0.00
TOTAL: 0.00
Svcs: PRIORITY OVERNIGHT
TRCK: 6546 8386 3749

Ref: S400-56444
Dep:
Date: 20Jun16
Wgt: 10.00 LBS
DV: 0.00
SHIPPING: 0.00
SPECIAL: 0.00
HANDLING: 0.00
TOTAL: 0.00
Svcs: PRIORITY OVERNIGHT
TRCK: 6546 8386 3750

Login Sample Receipt Checklist

Client: AECOM Technical Services Inc.

Job Number: 400-124559-1
SDG Number: 60477387 - 1.03.003/1.03.0033

Login Number: 124559
List Number: 1
Creator: Kovitch, Christina 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	3.0°C,2.4°C,1.5°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 (excluding tests with immediate HTs)	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.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

Certification Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 3Q16

TestAmerica Job ID: 400-124559-1
SDG: 60477387 - 1.03.003/1.03.0033

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	06-30-17
Arizona	State Program	9	AZ0710	01-11-17
Arkansas DEQ	State Program	6	88-0689	09-01-16
California	ELAP	9	2510	03-31-18
Florida	NELAP	4	E81010	06-30-17
Georgia	State Program	4	N/A	06-30-17
Illinois	NELAP	5	200041	10-09-16
Iowa	State Program	7	367	07-31-16 *
Kansas	NELAP	7	E-10253	10-31-16
Kentucky (UST)	State Program	4	53	06-30-17
Kentucky (WW)	State Program	4	98030	12-31-16
Louisiana	NELAP	6	30976	06-30-17
Maryland	State Program	3	233	09-30-17
Massachusetts	State Program	1	M-FL094	06-30-16 *
Michigan	State Program	5	9912	05-06-17
New Jersey	NELAP	2	FL006	06-30-17
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	06-30-17
Texas	NELAP	6	T104704286-15-9	09-30-16
USDA	Federal		P330-16-00172	05-24-19
Virginia	NELAP	3	460166	06-14-17
Washington	State Program	10	C915	05-15-17
West Virginia DEP	State Program	3	136	08-31-16

* Certification renewal pending - certification considered valid.

Roxana Groundwater Quarterly – 3rd Quarter 2016 Data Review

Laboratory SDG: 400-124581-1

Data Reviewer: Melissa Mansker

Peer Reviewer: Elizabeth Kunkel

Date Reviewed: 8/19/2016

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

Sample Identification	Sample Identification
TB-ROX-071516W-8011	TB-ROX-071516W-8260
P58-ROX-071516	P93D-ROX-071516
P93B-ROX-071516	

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 di-n-octyl phthalate was detected in the method blank. Several VOC and SVOC LCS/LCSD recoveries and SVOC LCS/LCSD RPDs were outside evaluation criteria. The SVOC and PAH surrogate recovery for terphenyl-d_{14} was outside criteria in several samples. VOCs in samples P58-ROX-071516 and P93B-ROX-071516 were diluted due to high levels of target analytes. These issues are addressed further in the appropriate sections below.

Additionally, the initial calibration verification for bromomethane, and the continuing calibration verification for bromomethane, 2-chloroethyl vinyl ether, 4-chloro-3-methylphenol, 4-bromophenyl phenyl ether, and hexachlorobenzene exceeded evaluation criteria. 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 did not indicate any problems.

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 400-315364/1-A	SVOCs	Di-n-octyl phthalate	0.882 µg/L

Qualifications due to blank contamination are included in the table below. Analytical data that were reported non-detect or at concentrations greater than five times (5X) the associated blank concentration did not require qualification.

Sample ID	Parameter	Analyte	New Reporting Limit (RL)	Qualification
P58-ROX-071516	SVOCs	Di-n-octyl phthalate	-	**U**
P93B-ROX-071516	SVOCs	Di-n-octyl phthalate	-	**U**

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 400-315189/1002	VOCs	Bromomethane	**164**	NA	10-160
LCS 400-315486/1002	VOCs	2-Chloroethyl vinyl ether	**289**	NA	10-160
LCS/LCSD 400-315364/2-A/3-A	SVOCs	Aniline	15/**9**	**48**	10-145/30
LCS/LCSD 400-315364/2-A/3-A	SVOCs	Pyridine	**0.6/0.4**	28	10-127/30
LCS/LCSD 400-315364/2-A/3-A	SVOCs	Quinoline	64/43	**39**	10-164/30
LCS/LCSD 400-315364/4-A/5-A	SVOCs	Benzenethiol	**5/2**	**93**	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
P58-ROX-071516	SVOCs	Aniline	**UJ**
P58-ROX-071516	SVOCs	Pyridine	**UJ**
P58-ROX-071516	SVOCs	Benzenethiol	**UJ**
P93D-ROX-071516	SVOCs	Aniline	**UJ**
P93D-ROX-071516	SVOCs	Pyridine	**UJ**
P93D-ROX-071516	SVOCs	Benzenethiol	**UJ**
P93B-ROX-071516	SVOCs	Aniline	**UJ**
P93B-ROX-071516	SVOCs	Pyridine	**UJ**
P93B-ROX-071516	SVOCs	Benzenethiol	**UJ**

6.0 Surrogate Recoveries

Were surrogate recoveries within evaluation criteria?

No

Sample ID	Parameter	Surrogate	Recovery (%)	Criteria (%)
P58-ROX-071516	PAHs	Terphenyl-d_{14}	**21**	33-138
P58-ROX-071516	SVOCs	Terphenyl-d_{14}	**37**	53-125
P93D-ROX-071516	PAHs	Terphenyl-d_{14}	**27**	33-138
P93D-ROX-071516	SVOCs	Terphenyl-d_{14}	**41**	53-125
P93B-ROX-071516	PAHs	Terphenyl-d_{14}	**25**	33-138

Qualifications due to surrogate recoveries were not required due to only one of three base fraction surrogate recoveries outside evaluation criteria. 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; analytes were detected in samples that were diluted.

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: 400-124581-1
TestAmerica SDG: 60477387 - 1.03.003/1.03.0033
Client Project/Site: ROXANA QUARTERLY GW - 3Q16

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

Attn: Mrs. Elizabeth Kunkel

Carolyn W. Hooper

Authorized for release by:
7/31/2016 3:54:26 PM

Carolyn Hooper, Project Manager I
(850)471-6226
carolyn.hooper@testamericainc.com

LINKS

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Have a Question? Ask The Expert

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Reviewed 8/19/2016 MG

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: 400-124581-1

Laboratory: TestAmerica Pensacola

Narrative

Job Narrative
400-124581-1

Receipt
The samples were received on 7/16/2016 9:14 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 4.3°C and 5.6°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-071516W-8260 (400-124581-2) and P93D-ROX-071516 (400-124581-4). The requested target analytes list include acrolein, acrylonitrile and 2-chloroethyl vinyl ether, which are acid-labile compounds that degrade in an acidic medium.

Method 8260B: The continuing calibration verification (CCV) associated with batch 400-315189 recovered above the upper control limit for bromomethane. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported.

Method 8260B: The laboratory control sample (LCS) for analytical batch 400-315189 recovered outside control limits for one analyte. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

Method 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recovered below the reporting limit (RL) for 2-chloroethyl vinyl ether for batch 315189 due to the acidic nature of the parent sample.

Method 8260B: The matrix spike / matrix spike duplicate (MS/MSD) precision for batch 315189 was not calculable for 2-chloroethyl vinyl ether due to the recovery being below the reporting limit (RL).

Method 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-315486 were outside control limits for 2-Chloroethyl vinyl ether due to the acidic nature of the parent sample.

Method 8260B: The continuing calibration verification (CCV) associated with batch 400-315486 recovered above the upper control limit for 2-chloroethyl vinyl ether. The samples associated with this CCV were non-detects for the affected analyte therefore, the data have been reported.

Method 8260B: The laboratory control sample (LCS) for analytical batch 400-315486 recovered outside control limits for one analyte. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

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: P58-ROX-071516 (400-124581-3) and P93B-ROX-071516 (400-124581-5). The requested target analyte list includes 2-chloroethyl vinyl ether, Acrolein and Acrylonitrile, which are acid-labile compounds that degrade in an acidic medium.

Method 8260B: The RPD for the matrix spike / matrix spike duplicate (MS/MSD) for 2-Chloroethyl vinyl ether was not calculable for analytical batch 400-315486 because the recoveries were below the reporting limit due to the acidic nature of the parent sample.

Method 8260B: The initial calibration verification (ICV) analyzed in batch 400-313890 was outside method criteria for the following analyte: Bromomethane<AffectedAnalytes>. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-315189 were outside control limits for Bromomethane due to high bias for this analyte on this day of analysis.

GC/MS Semi VOA
Method 8270D: The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for preparation batch 400-315364 and analytical batch 400-315904 recovered outside control limits for the following analytes: Benzenethiol. Benzenethiol has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed.

Job ID: 400-124581-1 (Continued)

Laboratory: TestAmerica Pensacola (Continued)

Method 8270D: The following analytes recovered outside control limits for the LCS/LCSD associated with preparation batch 400-315364 and analytical batch 400-315904: Aniline and Pyridine. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.

Method 8270D: The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for preparation batch 400-315364 and analytical batch 400-315904 recovered outside control limits for the following analyte: Quinoline. Quinoline has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed.

Method 8270D: The continuing calibration verification (CCV) associated with batch 400-315904 recovered above the upper control limit for 4-Chloro-3-methylphenol, 4-Bromophenyl phenyl ether and Hexachlorobenzene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: P58-ROX-071516 (400-124581-3), P93D-ROX-071516 (400-124581-4) and P93B-ROX-071516 (400-124581-5).

Method 8270D: Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base 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: P58-ROX-071516 (400-124581-3) and P93D-ROX-071516 (400-124581-4). These results have been reported and qualified.

Method 8270D: The following sample was diluted to bring the concentration of target analytes within the calibration range: P93B-ROX-071516 (400-124581-5). Elevated reporting limits (RLs) are provided.

Method 8270D LL: 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 samples contained an allowable number of surrogate compounds outside limits: P58-ROX-071516 (400-124581-3), P93D-ROX-071516 (400-124581-4) and P93B-ROX-071516 (400-124581-5). 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 - 3Q16

TestAmerica Job ID: 400-124581-1
SDG: 60477387 - 1.03.003/1.03.0033

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-124581-1	TB-ROX-071516W-8011	Water	07/15/16 00:00	07/16/16 09:14
400-124581-2	TB-ROX-071516W-8260	Water	07/15/16 00:00	07/16/16 09:14
400-124581-3	P58-ROX-071516	Water	07/15/16 10:30	07/16/16 09:14
400-124581-4	P93D-ROX-071516	Water	07/15/16 13:30	07/16/16 09:14
400-124581-5	P93B-ROX-071516	Water	07/15/16 14:30	07/16/16 09:14

Detection Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 3Q16

TestAmerica Job ID: 400-124581-1
SDG: 60477387 - 1.03.003/1.03.0033

Client Sample ID: TB-ROX-071516W-8011 — Lab Sample ID: 400-124581-1

No Detections.

Client Sample ID: TB-ROX-071516W-8260 — Lab Sample ID: 400-124581-2

No Detections.

Client Sample ID: P58-ROX-071516 — Lab Sample ID: 400-124581-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	250000		2000	760	ug/L	2000		8260B	Total/NA
Acenaphthene	0.30		0.20	0.020	ug/L	1		8270D LL	Total/NA
Acenaphthylene	0.13	J	0.20	0.020	ug/L	1		8270D LL	Total/NA
Fluorene	0.63		0.20	0.021	ug/L	1		8270D LL	Total/NA
Phenanthrene	0.32		0.20	0.020	ug/L	1		8270D LL	Total/NA
1-Methylnaphthalene	24		0.20	0.020	ug/L	1		8270D LL	Total/NA
2-Methylnaphthalene	33		0.20	0.020	ug/L	1		8270D LL	Total/NA
Di-n-butyl phthalate	4.0	J	10	2.7	ug/L	1		8270D	Total/NA
Di-n-octyl phthalate	~~0.98~~	J U	10	0.44	ug/L	1		8270D	Total/NA
Indene	1.3	J	10	1.0	ug/L	1		8270D	Total/NA
Pentachlorophenol	2.0	J	20	1.8	ug/L	1		8270D	Total/NA
Phenol	210		40	10	ug/L	4		8270D	Total/NA

Client Sample ID: P93D-ROX-071516 — Lab Sample ID: 400-124581-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	86		1.0	0.38	ug/L	1		8260B	Total/NA
Methyl tert-butyl ether	1.7		1.0	0.74	ug/L	1		8260B	Total/NA

Client Sample ID: P93B-ROX-071516 — Lab Sample ID: 400-124581-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	100000		1000	380	ug/L	1000		8260B	Total/NA
Di-n-octyl phthalate	~~1.1~~	J B U	10	0.44	ug/L	1		8270D	Total/NA
Phenol	410		50	13	ug/L	5		8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: TB-ROX-071516W-8011

Date Collected: 07/15/16 00:00
Date Received: 07/16/16 09:14

Lab Sample ID: 400-124581-1

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		07/24/16 10:51	07/25/16 16:04	1
1,2-Dibromoethane	ND		0.020	0.0049	ug/L		07/24/16 10:51	07/25/16 16:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*51 - 149*	*07/24/16 10:51*	*07/25/16 16:04*	*1*

Client Sample ID: TB-ROX-071516W-8260

Date Collected: 07/15/16 00:00
Date Received: 07/16/16 09:14

Lab Sample ID: 400-124581-2

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			07/21/16 21:47	1
Acrolein	ND		20	10	ug/L			07/21/16 21:47	1
Acrylonitrile	ND		10	2.8	ug/L			07/21/16 21:47	1
Benzene	ND		1.0	0.38	ug/L			07/21/16 21:47	1
Bromobenzene	ND		1.0	0.54	ug/L			07/21/16 21:47	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/21/16 21:47	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/21/16 21:47	1
Bromoform	ND		5.0	0.71	ug/L			07/21/16 21:47	1
Bromomethane	ND	*	1.0	0.98	ug/L			07/21/16 21:47	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/21/16 21:47	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/21/16 21:47	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			07/21/16 21:47	1
Chlorobenzene	ND		1.0	0.50	ug/L			07/21/16 21:47	1
Dibromochloromethane	ND		1.0	0.50	ug/L			07/21/16 21:47	1
Chloroethane	ND		1.0	0.76	ug/L			07/21/16 21:47	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/21/16 21:47	1
Chloroform	ND		1.0	0.60	ug/L			07/21/16 21:47	1
1-Chlorohexane	ND		1.0	0.70	ug/L			07/21/16 21:47	1
Chloromethane	ND		1.0	0.83	ug/L			07/21/16 21:47	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/21/16 21:47	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/21/16 21:47	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/21/16 21:47	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/21/16 21:47	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/21/16 21:47	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/21/16 21:47	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/21/16 21:47	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			07/21/16 21:47	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/21/16 21:47	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/21/16 21:47	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/21/16 21:47	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/21/16 21:47	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			07/21/16 21:47	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/21/16 21:47	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/21/16 21:47	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/21/16 21:47	1
2-Hexanone	ND		25	3.1	ug/L			07/21/16 21:47	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/21/16 21:47	1
Methylene bromide	ND		5.0	0.59	ug/L			07/21/16 21:47	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/21/16 21:47	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/21/16 21:47	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			07/21/16 21:47	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			07/21/16 21:47	1
Naphthalene	ND		1.0	1.0	ug/L			07/21/16 21:47	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/21/16 21:47	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/21/16 21:47	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/21/16 21:47	1
o-Xylene	ND		5.0	0.60	ug/L			07/21/16 21:47	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/21/16 21:47	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/21/16 21:47	1

Client Sample ID: TB-ROX-071516W-8260

Date Collected: 07/15/16 00:00
Date Received: 07/16/16 09:14

Lab Sample ID: 400-124581-2

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			07/21/16 21:47	1
Styrene	ND		1.0	1.0	ug/L			07/21/16 21:47	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/21/16 21:47	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			07/21/16 21:47	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/21/16 21:47	1
Tetrachloroethene	ND		1.0	0.58	ug/L			07/21/16 21:47	1
Toluene	ND		1.0	0.70	ug/L			07/21/16 21:47	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/21/16 21:47	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/21/16 21:47	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			07/21/16 21:47	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/21/16 21:47	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			07/21/16 21:47	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			07/21/16 21:47	1
Trichloroethene	ND		1.0	0.50	ug/L			07/21/16 21:47	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			07/21/16 21:47	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/21/16 21:47	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/21/16 21:47	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/21/16 21:47	1
Vinyl acetate	ND		25	2.0	ug/L			07/21/16 21:47	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/21/16 21:47	1
Xylenes, Total	ND		10	1.6	ug/L			07/21/16 21:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*78 - 118*		*07/21/16 21:47*	*1*
Dibromofluoromethane	*102*		*81 - 121*		*07/21/16 21:47*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*07/21/16 21:47*	*1*

Client Sample ID: P58-ROX-071516

Date Collected: 07/15/16 10:30
Date Received: 07/16/16 09:14

Lab Sample ID: 400-124581-3

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			07/24/16 02:10	2000
Acrolein	ND		40000	20000	ug/L			07/24/16 02:10	2000
Acrylonitrile	ND		20000	5600	ug/L			07/24/16 02:10	2000
Benzene	**250000**		2000	760	ug/L			07/24/16 02:10	2000
Bromobenzene	ND		2000	1100	ug/L			07/24/16 02:10	2000
Bromochloromethane	ND		2000	1000	ug/L			07/24/16 02:10	2000
Bromodichloromethane	ND		2000	1000	ug/L			07/24/16 02:10	2000
Bromoform	ND		10000	1400	ug/L			07/24/16 02:10	2000
Bromomethane	ND		2000	2000	ug/L			07/24/16 02:10	2000
2-Butanone (MEK)	ND		50000	5200	ug/L			07/24/16 02:10	2000
Carbon disulfide	ND		2000	1000	ug/L			07/24/16 02:10	2000
Carbon tetrachloride	ND		2000	1000	ug/L			07/24/16 02:10	2000
Chlorobenzene	ND		2000	1000	ug/L			07/24/16 02:10	2000
Dibromochloromethane	ND		2000	1000	ug/L			07/24/16 02:10	2000
Chloroethane	ND		2000	1500	ug/L			07/24/16 02:10	2000
2-Chloroethyl vinyl ether	ND	*	10000	4000	ug/L			07/24/16 02:10	2000
Chloroform	ND		2000	1200	ug/L			07/24/16 02:10	2000
1-Chlorohexane	ND		2000	1400	ug/L			07/24/16 02:10	2000
Chloromethane	ND		2000	1700	ug/L			07/24/16 02:10	2000
cis-1,2-Dichloroethene	ND		2000	1000	ug/L			07/24/16 02:10	2000
cis-1,3-Dichloropropene	ND		10000	1000	ug/L			07/24/16 02:10	2000
1,2-Dichlorobenzene	ND		2000	1000	ug/L			07/24/16 02:10	2000
1,3-Dichlorobenzene	ND		2000	1100	ug/L			07/24/16 02:10	2000
1,4-Dichlorobenzene	ND		2000	1300	ug/L			07/24/16 02:10	2000
Dichlorodifluoromethane	ND		2000	1700	ug/L			07/24/16 02:10	2000
1,1-Dichloroethane	ND		2000	1000	ug/L			07/24/16 02:10	2000
1,2-Dichloroethane	ND		2000	1000	ug/L			07/24/16 02:10	2000
1,1-Dichloroethene	ND		2000	1000	ug/L			07/24/16 02:10	2000
1,2-Dichloropropane	ND		2000	1000	ug/L			07/24/16 02:10	2000
1,3-Dichloropropane	ND		2000	1000	ug/L			07/24/16 02:10	2000
2,2-Dichloropropane	ND		2000	1000	ug/L			07/24/16 02:10	2000
1,1-Dichloropropene	ND		2000	1000	ug/L			07/24/16 02:10	2000
Ethylbenzene	ND		2000	1000	ug/L			07/24/16 02:10	2000
Ethyl methacrylate	ND		2000	1200	ug/L			07/24/16 02:10	2000
Hexachlorobutadiene	ND		10000	1800	ug/L			07/24/16 02:10	2000
2-Hexanone	ND		50000	6200	ug/L			07/24/16 02:10	2000
Isopropylbenzene	ND		2000	1100	ug/L			07/24/16 02:10	2000
Methylene bromide	ND		10000	1200	ug/L			07/24/16 02:10	2000
Methylene Chloride	ND		10000	6000	ug/L			07/24/16 02:10	2000
4-Methyl-2-pentanone (MIBK)	ND		50000	3600	ug/L			07/24/16 02:10	2000
Methyl tert-butyl ether	ND		2000	1500	ug/L			07/24/16 02:10	2000
m-Xylene & p-Xylene	ND		10000	3200	ug/L			07/24/16 02:10	2000
Naphthalene	ND		2000	2000	ug/L			07/24/16 02:10	2000
n-Butylbenzene	ND		2000	1500	ug/L			07/24/16 02:10	2000
N-Propylbenzene	ND		2000	1400	ug/L			07/24/16 02:10	2000
o-Chlorotoluene	ND		2000	1100	ug/L			07/24/16 02:10	2000
o-Xylene	ND		10000	1200	ug/L			07/24/16 02:10	2000
p-Chlorotoluene	ND		2000	1100	ug/L			07/24/16 02:10	2000
p-Isopropyltoluene	ND		2000	1400	ug/L			07/24/16 02:10	2000

Client Sample ID: P58-ROX-071516

Date Collected: 07/15/16 10:30
Date Received: 07/16/16 09:14

Lab Sample ID: 400-124581-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		2000	1400	ug/L			07/24/16 02:10	2000
Styrene	ND		2000	2000	ug/L			07/24/16 02:10	2000
tert-Butylbenzene	ND		2000	1300	ug/L			07/24/16 02:10	2000
1,1,1,2-Tetrachloroethane	ND		2000	1000	ug/L			07/24/16 02:10	2000
1,1,2,2-Tetrachloroethane	ND		2000	1000	ug/L			07/24/16 02:10	2000
Tetrachloroethene	ND		2000	1200	ug/L			07/24/16 02:10	2000
Toluene	ND		2000	1400	ug/L			07/24/16 02:10	2000
trans-1,2-Dichloroethene	ND		2000	1000	ug/L			07/24/16 02:10	2000
trans-1,3-Dichloropropene	ND		10000	1000	ug/L			07/24/16 02:10	2000
1,2,3-Trichlorobenzene	ND		2000	1400	ug/L			07/24/16 02:10	2000
1,2,4-Trichlorobenzene	ND		2000	1600	ug/L			07/24/16 02:10	2000
1,1,1-Trichloroethane	ND		2000	1000	ug/L			07/24/16 02:10	2000
1,1,2-Trichloroethane	ND		10000	1000	ug/L			07/24/16 02:10	2000
Trichloroethene	ND		2000	1000	ug/L			07/24/16 02:10	2000
Trichlorofluoromethane	ND		2000	1000	ug/L			07/24/16 02:10	2000
1,2,3-Trichloropropane	ND		10000	1700	ug/L			07/24/16 02:10	2000
1,2,4-Trimethylbenzene	ND		2000	1600	ug/L			07/24/16 02:10	2000
1,3,5-Trimethylbenzene	ND		2000	1100	ug/L			07/24/16 02:10	2000
Vinyl acetate	ND		50000	4000	ug/L			07/24/16 02:10	2000
Vinyl chloride	ND		2000	1000	ug/L			07/24/16 02:10	2000
Xylenes, Total	ND		20000	3200	ug/L			07/24/16 02:10	2000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*78 - 118*		*07/24/16 02:10*	*2000*
Dibromofluoromethane	*108*		*81 - 121*		*07/24/16 02:10*	*2000*
Toluene-d8 (Surr)	*92*		*80 - 120*		*07/24/16 02:10*	*2000*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.30**		0.20	0.020	ug/L		07/22/16 10:08	07/25/16 20:43	1
Acenaphthylene	**0.13**	J	0.20	0.020	ug/L		07/22/16 10:08	07/25/16 20:43	1
Anthracene	ND		0.20	0.020	ug/L		07/22/16 10:08	07/25/16 20:43	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/22/16 10:08	07/25/16 20:43	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		07/22/16 10:08	07/25/16 20:43	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		07/22/16 10:08	07/25/16 20:43	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		07/22/16 10:08	07/25/16 20:43	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/22/16 10:08	07/25/16 20:43	1
Chrysene	ND		0.20	0.040	ug/L		07/22/16 10:08	07/25/16 20:43	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		07/22/16 10:08	07/25/16 20:43	1
Fluoranthene	ND		0.20	0.020	ug/L		07/22/16 10:08	07/25/16 20:43	1
Fluorene	**0.63**		0.20	0.021	ug/L		07/22/16 10:08	07/25/16 20:43	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		07/22/16 10:08	07/25/16 20:43	1
Phenanthrene	**0.32**		0.20	0.020	ug/L		07/22/16 10:08	07/25/16 20:43	1
Pyrene	ND		0.20	0.020	ug/L		07/22/16 10:08	07/25/16 20:43	1
1-Methylnaphthalene	**24**		0.20	0.020	ug/L		07/22/16 10:08	07/25/16 20:43	1
2-Methylnaphthalene	**33**		0.20	0.020	ug/L		07/22/16 10:08	07/25/16 20:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*21*	*X*	*33 - 138*	*07/22/16 10:08*	*07/25/16 20:43*	*1*
2-Fluorobiphenyl	*48*		*15 - 122*	*07/22/16 10:08*	*07/25/16 20:43*	*1*

Client Sample ID: P58-ROX-071516
Date Collected: 07/15/16 10:30
Date Received: 07/16/16 09:14

Lab Sample ID: 400-124581-3
Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	47		19 - 130	07/22/16 10:08	07/25/16 20:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND	UJ	10	3.8	ug/L		07/22/16 10:08	07/27/16 16:34	1
Benzenethiol	ND	UJ	10	1.7	ug/L		07/22/16 10:08	07/27/16 16:34	1
Benzoic acid	ND		30	7.3	ug/L		07/22/16 10:08	07/27/16 16:34	1
Benzyl alcohol	ND		10	2.0	ug/L		07/22/16 10:08	07/27/16 16:34	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		07/22/16 10:08	07/27/16 16:34	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		07/22/16 10:08	07/27/16 16:34	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		07/22/16 10:08	07/27/16 16:34	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		07/22/16 10:08	07/27/16 16:34	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		07/22/16 10:08	07/27/16 16:34	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		07/22/16 10:08	07/27/16 16:34	1
4-Chloroaniline	ND		10	3.4	ug/L		07/22/16 10:08	07/27/16 16:34	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		07/22/16 10:08	07/27/16 16:34	1
2-Chloronaphthalene	ND		10	0.52	ug/L		07/22/16 10:08	07/27/16 16:34	1
2-Chlorophenol	ND		10	2.2	ug/L		07/22/16 10:08	07/27/16 16:34	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		07/22/16 10:08	07/27/16 16:34	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		07/22/16 10:08	07/27/16 16:34	1
Dibenzofuran	ND		10	0.52	ug/L		07/22/16 10:08	07/27/16 16:34	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		07/22/16 10:08	07/27/16 16:34	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		07/22/16 10:08	07/27/16 16:34	1
Diethyl phthalate	ND		10	0.70	ug/L		07/22/16 10:08	07/27/16 16:34	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		07/22/16 10:08	07/27/16 16:34	1
Dimethyl phthalate	ND		10	0.60	ug/L		07/22/16 10:08	07/27/16 16:34	1
Di-n-butyl phthalate	**4.0**	**J**	10	2.7	ug/L		07/22/16 10:08	07/27/16 16:34	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/22/16 10:08	07/27/16 16:34	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		07/22/16 10:08	07/27/16 16:34	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		07/22/16 10:08	07/27/16 16:34	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		07/22/16 10:08	07/27/16 16:34	1
Di-n-octyl phthalate	~~0.98~~	**J** U	10	0.44	ug/L		07/22/16 10:08	07/27/16 16:34	1
1,4-Dioxane	ND		10	1.0	ug/L		07/22/16 10:08	07/27/16 16:34	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		07/22/16 10:08	07/27/16 16:34	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/22/16 10:08	07/27/16 16:34	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		07/22/16 10:08	07/27/16 16:34	1
Hexachloroethane	ND		10	4.2	ug/L		07/22/16 10:08	07/27/16 16:34	1
Indene	**1.3**	**J**	10	1.0	ug/L		07/22/16 10:08	07/27/16 16:34	1
Isophorone	ND		10	0.57	ug/L		07/22/16 10:08	07/27/16 16:34	1
2-Methylphenol	ND		10	1.8	ug/L		07/22/16 10:08	07/27/16 16:34	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		07/22/16 10:08	07/27/16 16:34	1
2-Nitroaniline	ND		10	2.2	ug/L		07/22/16 10:08	07/27/16 16:34	1
3-Nitroaniline	ND		10	1.8	ug/L		07/22/16 10:08	07/27/16 16:34	1
4-Nitroaniline	ND		10	2.5	ug/L		07/22/16 10:08	07/27/16 16:34	1
Nitrobenzene	ND		10	0.55	ug/L		07/22/16 10:08	07/27/16 16:34	1
2-Nitrophenol	ND		10	0.65	ug/L		07/22/16 10:08	07/27/16 16:34	1
4-Nitrophenol	ND		10	2.1	ug/L		07/22/16 10:08	07/27/16 16:34	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		07/22/16 10:08	07/27/16 16:34	1

Client Sample ID: P58-ROX-071516
Date Collected: 07/15/16 10:30
Date Received: 07/16/16 09:14

Lab Sample ID: 400-124581-3
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		07/22/16 10:08	07/27/16 16:34	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		07/22/16 10:08	07/27/16 16:34	1
Pentachlorophenol	**2.0**	**J**	20	1.8	ug/L		07/22/16 10:08	07/27/16 16:34	1
Phenol	**210**		40	10	ug/L		07/22/16 10:08	07/31/16 11:18	4
Pyridine	ND	UJ	10	3.2	ug/L		07/22/16 10:08	07/27/16 16:34	1
Quinoline	ND		10	6.0	ug/L		07/22/16 10:08	07/27/16 16:34	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		07/22/16 10:08	07/27/16 16:34	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		07/22/16 10:08	07/27/16 16:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*57*		*34 - 120*	*07/22/16 10:08*	*07/27/16 16:34*	*1*
2-Fluorophenol	*50*		*10 - 120*	*07/22/16 10:08*	*07/27/16 16:34*	*1*
Nitrobenzene-d5	*63*		*27 - 120*	*07/22/16 10:08*	*07/27/16 16:34*	*1*
Phenol-d5	*45*		*10 - 120*	*07/22/16 10:08*	*07/27/16 16:34*	*1*
Terphenyl-d14	*37*	*X*	*53 - 125*	*07/22/16 10:08*	*07/27/16 16:34*	*1*
2,4,6-Tribromophenol	*87*		*15 - 135*	*07/22/16 10:08*	*07/27/16 16:34*	*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	0.0056	ug/L		07/24/16 10:51	07/25/16 16:34	1
1,2-Dibromoethane	ND		0.020	0.0051	ug/L		07/24/16 10:51	07/25/16 16:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*74*		*51 - 149*	*07/24/16 10:51*	*07/25/16 16:34*	*1*

Client Sample ID: P93D-ROX-071516
Date Collected: 07/15/16 13:30
Date Received: 07/16/16 09:14

Lab Sample ID: 400-124581-4
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			07/21/16 22:15	1
Acrolein	ND		20	10	ug/L			07/21/16 22:15	1
Acrylonitrile	ND		10	2.8	ug/L			07/21/16 22:15	1
Benzene	**86**		1.0	0.38	ug/L			07/21/16 22:15	1
Bromobenzene	ND		1.0	0.54	ug/L			07/21/16 22:15	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/21/16 22:15	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/21/16 22:15	1
Bromoform	ND		5.0	0.71	ug/L			07/21/16 22:15	1
Bromomethane	ND	*	1.0	0.98	ug/L			07/21/16 22:15	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/21/16 22:15	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/21/16 22:15	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			07/21/16 22:15	1
Chlorobenzene	ND		1.0	0.50	ug/L			07/21/16 22:15	1
Dibromochloromethane	ND		1.0	0.50	ug/L			07/21/16 22:15	1
Chloroethane	ND		1.0	0.76	ug/L			07/21/16 22:15	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/21/16 22:15	1
Chloroform	ND		1.0	0.60	ug/L			07/21/16 22:15	1
1-Chlorohexane	ND		1.0	0.70	ug/L			07/21/16 22:15	1
Chloromethane	ND		1.0	0.83	ug/L			07/21/16 22:15	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/21/16 22:15	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/21/16 22:15	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/21/16 22:15	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/21/16 22:15	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/21/16 22:15	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/21/16 22:15	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/21/16 22:15	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			07/21/16 22:15	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/21/16 22:15	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/21/16 22:15	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/21/16 22:15	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/21/16 22:15	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			07/21/16 22:15	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/21/16 22:15	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/21/16 22:15	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/21/16 22:15	1
2-Hexanone	ND		25	3.1	ug/L			07/21/16 22:15	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/21/16 22:15	1
Methylene bromide	ND		5.0	0.59	ug/L			07/21/16 22:15	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/21/16 22:15	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/21/16 22:15	1
Methyl tert-butyl ether	**1.7**		1.0	0.74	ug/L			07/21/16 22:15	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			07/21/16 22:15	1
Naphthalene	ND		1.0	1.0	ug/L			07/21/16 22:15	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/21/16 22:15	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/21/16 22:15	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/21/16 22:15	1
o-Xylene	ND		5.0	0.60	ug/L			07/21/16 22:15	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/21/16 22:15	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/21/16 22:15	1

Client Sample ID: P93D-ROX-071516
Date Collected: 07/15/16 13:30
Date Received: 07/16/16 09:14

Lab Sample ID: 400-124581-4
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			07/21/16 22:15	1
Styrene	ND		1.0	1.0	ug/L			07/21/16 22:15	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/21/16 22:15	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			07/21/16 22:15	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/21/16 22:15	1
Tetrachloroethene	ND		1.0	0.58	ug/L			07/21/16 22:15	1
Toluene	ND		1.0	0.70	ug/L			07/21/16 22:15	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/21/16 22:15	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/21/16 22:15	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			07/21/16 22:15	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/21/16 22:15	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			07/21/16 22:15	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			07/21/16 22:15	1
Trichloroethene	ND		1.0	0.50	ug/L			07/21/16 22:15	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			07/21/16 22:15	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/21/16 22:15	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/21/16 22:15	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/21/16 22:15	1
Vinyl acetate	ND		25	2.0	ug/L			07/21/16 22:15	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/21/16 22:15	1
Xylenes, Total	ND		10	1.6	ug/L			07/21/16 22:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*78 - 118*		*07/21/16 22:15*	*1*
Dibromofluoromethane	*103*		*81 - 121*		*07/21/16 22:15*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*07/21/16 22:15*	*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		07/22/16 10:08	07/25/16 21:08	1
Acenaphthylene	ND		0.20	0.020	ug/L		07/22/16 10:08	07/25/16 21:08	1
Anthracene	ND		0.20	0.020	ug/L		07/22/16 10:08	07/25/16 21:08	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/22/16 10:08	07/25/16 21:08	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		07/22/16 10:08	07/25/16 21:08	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		07/22/16 10:08	07/25/16 21:08	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		07/22/16 10:08	07/25/16 21:08	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/22/16 10:08	07/25/16 21:08	1
Chrysene	ND		0.20	0.040	ug/L		07/22/16 10:08	07/25/16 21:08	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		07/22/16 10:08	07/25/16 21:08	1
Fluoranthene	ND		0.20	0.020	ug/L		07/22/16 10:08	07/25/16 21:08	1
Fluorene	ND		0.20	0.021	ug/L		07/22/16 10:08	07/25/16 21:08	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		07/22/16 10:08	07/25/16 21:08	1
Phenanthrene	ND		0.20	0.020	ug/L		07/22/16 10:08	07/25/16 21:08	1
Pyrene	ND		0.20	0.020	ug/L		07/22/16 10:08	07/25/16 21:08	1
1-Methylnaphthalene	ND		0.20	0.020	ug/L		07/22/16 10:08	07/25/16 21:08	1
2-Methylnaphthalene	ND		0.20	0.020	ug/L		07/22/16 10:08	07/25/16 21:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*27*	*X*	*33 - 138*	*07/22/16 10:08*	*07/25/16 21:08*	*1*
2-Fluorobiphenyl	*34*		*15 - 122*	*07/22/16 10:08*	*07/25/16 21:08*	*1*

Client Sample ID: P93D-ROX-071516

Date Collected: 07/15/16 13:30
Date Received: 07/16/16 09:14

Lab Sample ID: 400-124581-4
Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	35		19 - 130	07/22/16 10:08	07/25/16 21:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND	* UJ	10	3.8	ug/L		07/22/16 10:08	07/27/16 17:04	1
Benzenethiol	ND	* UJ	10	1.7	ug/L		07/22/16 10:08	07/27/16 17:04	1
Benzoic acid	ND		30	7.3	ug/L		07/22/16 10:08	07/27/16 17:04	1
Benzyl alcohol	ND		10	2.0	ug/L		07/22/16 10:08	07/27/16 17:04	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		07/22/16 10:08	07/27/16 17:04	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		07/22/16 10:08	07/27/16 17:04	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		07/22/16 10:08	07/27/16 17:04	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		07/22/16 10:08	07/27/16 17:04	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		07/22/16 10:08	07/27/16 17:04	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		07/22/16 10:08	07/27/16 17:04	1
4-Chloroaniline	ND		10	3.4	ug/L		07/22/16 10:08	07/27/16 17:04	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		07/22/16 10:08	07/27/16 17:04	1
2-Chloronaphthalene	ND		10	0.52	ug/L		07/22/16 10:08	07/27/16 17:04	1
2-Chlorophenol	ND		10	2.2	ug/L		07/22/16 10:08	07/27/16 17:04	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		07/22/16 10:08	07/27/16 17:04	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		07/22/16 10:08	07/27/16 17:04	1
Dibenzofuran	ND		10	0.52	ug/L		07/22/16 10:08	07/27/16 17:04	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		07/22/16 10:08	07/27/16 17:04	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		07/22/16 10:08	07/27/16 17:04	1
Diethyl phthalate	ND		10	0.70	ug/L		07/22/16 10:08	07/27/16 17:04	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		07/22/16 10:08	07/27/16 17:04	1
Dimethyl phthalate	ND		10	0.60	ug/L		07/22/16 10:08	07/27/16 17:04	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		07/22/16 10:08	07/27/16 17:04	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/22/16 10:08	07/27/16 17:04	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		07/22/16 10:08	07/27/16 17:04	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		07/22/16 10:08	07/27/16 17:04	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		07/22/16 10:08	07/27/16 17:04	1
Di-n-octyl phthalate	ND		10	0.44	ug/L		07/22/16 10:08	07/27/16 17:04	1
1,4-Dioxane	ND		10	1.0	ug/L		07/22/16 10:08	07/27/16 17:04	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		07/22/16 10:08	07/27/16 17:04	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/22/16 10:08	07/27/16 17:04	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		07/22/16 10:08	07/27/16 17:04	1
Hexachloroethane	ND		10	4.2	ug/L		07/22/16 10:08	07/27/16 17:04	1
Indene	ND		10	1.0	ug/L		07/22/16 10:08	07/27/16 17:04	1
Isophorone	ND		10	0.57	ug/L		07/22/16 10:08	07/27/16 17:04	1
2-Methylphenol	ND		10	1.8	ug/L		07/22/16 10:08	07/27/16 17:04	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		07/22/16 10:08	07/27/16 17:04	1
2-Nitroaniline	ND		10	2.2	ug/L		07/22/16 10:08	07/27/16 17:04	1
3-Nitroaniline	ND		10	1.8	ug/L		07/22/16 10:08	07/27/16 17:04	1
4-Nitroaniline	ND		10	2.5	ug/L		07/22/16 10:08	07/27/16 17:04	1
Nitrobenzene	ND		10	0.55	ug/L		07/22/16 10:08	07/27/16 17:04	1
2-Nitrophenol	ND		10	0.65	ug/L		07/22/16 10:08	07/27/16 17:04	1
4-Nitrophenol	ND		10	2.1	ug/L		07/22/16 10:08	07/27/16 17:04	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		07/22/16 10:08	07/27/16 17:04	1

Client Sample ID: P93D-ROX-071516

Date Collected: 07/15/16 13:30
Date Received: 07/16/16 09:14

Lab Sample ID: 400-124581-4

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		07/22/16 10:08	07/27/16 17:04	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		07/22/16 10:08	07/27/16 17:04	1
Pentachlorophenol	ND		20	1.8	ug/L		07/22/16 10:08	07/27/16 17:04	1
Phenol	ND		10	2.6	ug/L		07/22/16 10:08	07/27/16 17:04	1
Pyridine	ND	* UJ	10	3.2	ug/L		07/22/16 10:08	07/27/16 17:04	1
Quinoline	ND	*	10	6.0	ug/L		07/22/16 10:08	07/27/16 17:04	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		07/22/16 10:08	07/27/16 17:04	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		07/22/16 10:08	07/27/16 17:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*43*		*34 - 120*	*07/22/16 10:08*	*07/27/16 17:04*	*1*
2-Fluorophenol	*36*		*10 - 120*	*07/22/16 10:08*	*07/27/16 17:04*	*1*
Nitrobenzene-d5	*45*		*27 - 120*	*07/22/16 10:08*	*07/27/16 17:04*	*1*
Phenol-d5	*35*		*10 - 120*	*07/22/16 10:08*	*07/27/16 17:04*	*1*
Terphenyl-d14	*41*	*X*	*53 - 125*	*07/22/16 10:08*	*07/27/16 17:04*	*1*
2,4,6-Tribromophenol	*66*		*15 - 135*	*07/22/16 10:08*	*07/27/16 17:04*	*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		0.029	0.0054	ug/L		07/24/16 10:51	07/25/16 17:04	1
1,2-Dibromoethane	ND		0.020	0.0049	ug/L		07/24/16 10:51	07/25/16 17:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*51 - 149*	*07/24/16 10:51*	*07/25/16 17:04*	*1*

Client Sample ID: P93B-ROX-071516

Date Collected: 07/15/16 14:30
Date Received: 07/16/16 09:14

Lab Sample ID: 400-124581-5

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			07/24/16 01:44	1000
Acrolein	ND		20000	10000	ug/L			07/24/16 01:44	1000
Acrylonitrile	ND		10000	2800	ug/L			07/24/16 01:44	1000
Benzene	**100000**		1000	380	ug/L			07/24/16 01:44	1000
Bromobenzene	ND		1000	540	ug/L			07/24/16 01:44	1000
Bromochloromethane	ND		1000	520	ug/L			07/24/16 01:44	1000
Bromodichloromethane	ND		1000	500	ug/L			07/24/16 01:44	1000
Bromoform	ND		5000	710	ug/L			07/24/16 01:44	1000
Bromomethane	ND		1000	980	ug/L			07/24/16 01:44	1000
2-Butanone (MEK)	ND		25000	2600	ug/L			07/24/16 01:44	1000
Carbon disulfide	ND		1000	500	ug/L			07/24/16 01:44	1000
Carbon tetrachloride	ND		1000	500	ug/L			07/24/16 01:44	1000
Chlorobenzene	ND		1000	500	ug/L			07/24/16 01:44	1000
Dibromochloromethane	ND		1000	500	ug/L			07/24/16 01:44	1000
Chloroethane	ND		1000	760	ug/L			07/24/16 01:44	1000
2-Chloroethyl vinyl ether	ND	*	5000	2000	ug/L			07/24/16 01:44	1000
Chloroform	ND		1000	600	ug/L			07/24/16 01:44	1000
1-Chlorohexane	ND		1000	700	ug/L			07/24/16 01:44	1000
Chloromethane	ND		1000	830	ug/L			07/24/16 01:44	1000
cis-1,2-Dichloroethene	ND		1000	500	ug/L			07/24/16 01:44	1000
cis-1,3-Dichloropropene	ND		5000	500	ug/L			07/24/16 01:44	1000
1,2-Dichlorobenzene	ND		1000	500	ug/L			07/24/16 01:44	1000
1,3-Dichlorobenzene	ND		1000	540	ug/L			07/24/16 01:44	1000
1,4-Dichlorobenzene	ND		1000	640	ug/L			07/24/16 01:44	1000
Dichlorodifluoromethane	ND		1000	850	ug/L			07/24/16 01:44	1000
1,1-Dichloroethane	ND		1000	500	ug/L			07/24/16 01:44	1000
1,2-Dichloroethane	ND		1000	500	ug/L			07/24/16 01:44	1000
1,1-Dichloroethene	ND		1000	500	ug/L			07/24/16 01:44	1000
1,2-Dichloropropane	ND		1000	500	ug/L			07/24/16 01:44	1000
1,3-Dichloropropane	ND		1000	500	ug/L			07/24/16 01:44	1000
2,2-Dichloropropane	ND		1000	500	ug/L			07/24/16 01:44	1000
1,1-Dichloropropene	ND		1000	500	ug/L			07/24/16 01:44	1000
Ethylbenzene	ND		1000	500	ug/L			07/24/16 01:44	1000
Ethyl methacrylate	ND		1000	600	ug/L			07/24/16 01:44	1000
Hexachlorobutadiene	ND		5000	900	ug/L			07/24/16 01:44	1000
2-Hexanone	ND		25000	3100	ug/L			07/24/16 01:44	1000
Isopropylbenzene	ND		1000	530	ug/L			07/24/16 01:44	1000
Methylene bromide	ND		5000	590	ug/L			07/24/16 01:44	1000
Methylene Chloride	ND		5000	3000	ug/L			07/24/16 01:44	1000
4-Methyl-2-pentanone (MIBK)	ND		25000	1800	ug/L			07/24/16 01:44	1000
Methyl tert-butyl ether	ND		1000	740	ug/L			07/24/16 01:44	1000
m-Xylene & p-Xylene	ND		5000	1600	ug/L			07/24/16 01:44	1000
Naphthalene	ND		1000	1000	ug/L			07/24/16 01:44	1000
n-Butylbenzene	ND		1000	760	ug/L			07/24/16 01:44	1000
N-Propylbenzene	ND		1000	690	ug/L			07/24/16 01:44	1000
o-Chlorotoluene	ND		1000	570	ug/L			07/24/16 01:44	1000
o-Xylene	ND		5000	600	ug/L			07/24/16 01:44	1000
p-Chlorotoluene	ND		1000	560	ug/L			07/24/16 01:44	1000
p-Isopropyltoluene	ND		1000	710	ug/L			07/24/16 01:44	1000

Client Sample ID: P93B-ROX-071516
Date Collected: 07/15/16 14:30
Date Received: 07/16/16 09:14

Lab Sample ID: 400-124581-5
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			07/24/16 01:44	1000
Styrene	ND		1000	1000	ug/L			07/24/16 01:44	1000
tert-Butylbenzene	ND		1000	630	ug/L			07/24/16 01:44	1000
1,1,1,2-Tetrachloroethane	ND		1000	520	ug/L			07/24/16 01:44	1000
1,1,2,2-Tetrachloroethane	ND		1000	500	ug/L			07/24/16 01:44	1000
Tetrachloroethene	ND		1000	580	ug/L			07/24/16 01:44	1000
Toluene	ND		1000	700	ug/L			07/24/16 01:44	1000
trans-1,2-Dichloroethene	ND		1000	500	ug/L			07/24/16 01:44	1000
trans-1,3-Dichloropropene	ND		5000	500	ug/L			07/24/16 01:44	1000
1,2,3-Trichlorobenzene	ND		1000	700	ug/L			07/24/16 01:44	1000
1,2,4-Trichlorobenzene	ND		1000	820	ug/L			07/24/16 01:44	1000
1,1,1-Trichloroethane	ND		1000	500	ug/L			07/24/16 01:44	1000
1,1,2-Trichloroethane	ND		5000	500	ug/L			07/24/16 01:44	1000
Trichloroethene	ND		1000	500	ug/L			07/24/16 01:44	1000
Trichlorofluoromethane	ND		1000	520	ug/L			07/24/16 01:44	1000
1,2,3-Trichloropropane	ND		5000	840	ug/L			07/24/16 01:44	1000
1,2,4-Trimethylbenzene	ND		1000	820	ug/L			07/24/16 01:44	1000
1,3,5-Trimethylbenzene	ND		1000	560	ug/L			07/24/16 01:44	1000
Vinyl acetate	ND		25000	2000	ug/L			07/24/16 01:44	1000
Vinyl chloride	ND		1000	500	ug/L			07/24/16 01:44	1000
Xylenes, Total	ND		10000	1600	ug/L			07/24/16 01:44	1000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*78 - 118*		*07/24/16 01:44*	*1000*
Dibromofluoromethane	*110*		*81 - 121*		*07/24/16 01:44*	*1000*
Toluene-d8 (Surr)	*91*		*80 - 120*		*07/24/16 01:44*	*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		07/22/16 10:08	07/25/16 21:34	1
Acenaphthylene	ND		0.20	0.020	ug/L		07/22/16 10:08	07/25/16 21:34	1
Anthracene	ND		0.20	0.020	ug/L		07/22/16 10:08	07/25/16 21:34	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/22/16 10:08	07/25/16 21:34	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		07/22/16 10:08	07/25/16 21:34	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		07/22/16 10:08	07/25/16 21:34	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		07/22/16 10:08	07/25/16 21:34	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/22/16 10:08	07/25/16 21:34	1
Chrysene	ND		0.20	0.040	ug/L		07/22/16 10:08	07/25/16 21:34	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		07/22/16 10:08	07/25/16 21:34	1
Fluoranthene	ND		0.20	0.020	ug/L		07/22/16 10:08	07/25/16 21:34	1
Fluorene	ND		0.20	0.021	ug/L		07/22/16 10:08	07/25/16 21:34	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		07/22/16 10:08	07/25/16 21:34	1
Phenanthrene	ND		0.20	0.020	ug/L		07/22/16 10:08	07/25/16 21:34	1
Pyrene	ND		0.20	0.020	ug/L		07/22/16 10:08	07/25/16 21:34	1
1-Methylnaphthalene	ND		0.20	0.020	ug/L		07/22/16 10:08	07/25/16 21:34	1
2-Methylnaphthalene	ND		0.20	0.020	ug/L		07/22/16 10:08	07/25/16 21:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*25*	*X*	*33 - 138*	*07/22/16 10:08*	*07/25/16 21:34*	*1*
2-Fluorobiphenyl	*44*		*15 - 122*	*07/22/16 10:08*	*07/25/16 21:34*	*1*

Client Sample ID: P93B-ROX-071516

Date Collected: 07/15/16 14:30
Date Received: 07/16/16 09:14

Lab Sample ID: 400-124581-5
Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	45		19 - 130	07/22/16 10:08	07/25/16 21:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND	* UJ	10	3.8	ug/L		07/22/16 10:08	07/27/16 17:34	1
Benzenethiol	ND	* UJ	10	1.7	ug/L		07/22/16 10:08	07/27/16 17:34	1
Benzoic acid	ND		30	7.3	ug/L		07/22/16 10:08	07/27/16 17:34	1
Benzyl alcohol	ND		10	2.0	ug/L		07/22/16 10:08	07/27/16 17:34	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		07/22/16 10:08	07/27/16 17:34	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		07/22/16 10:08	07/27/16 17:34	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		07/22/16 10:08	07/27/16 17:34	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		07/22/16 10:08	07/27/16 17:34	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		07/22/16 10:08	07/27/16 17:34	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		07/22/16 10:08	07/27/16 17:34	1
4-Chloroaniline	ND		10	3.4	ug/L		07/22/16 10:08	07/27/16 17:34	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		07/22/16 10:08	07/27/16 17:34	1
2-Chloronaphthalene	ND		10	0.52	ug/L		07/22/16 10:08	07/27/16 17:34	1
2-Chlorophenol	ND		10	2.2	ug/L		07/22/16 10:08	07/27/16 17:34	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		07/22/16 10:08	07/27/16 17:34	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		07/22/16 10:08	07/27/16 17:34	1
Dibenzofuran	ND		10	0.52	ug/L		07/22/16 10:08	07/27/16 17:34	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		07/22/16 10:08	07/27/16 17:34	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		07/22/16 10:08	07/27/16 17:34	1
Diethyl phthalate	ND		10	0.70	ug/L		07/22/16 10:08	07/27/16 17:34	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		07/22/16 10:08	07/27/16 17:34	1
Dimethyl phthalate	ND		10	0.60	ug/L		07/22/16 10:08	07/27/16 17:34	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		07/22/16 10:08	07/27/16 17:34	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/22/16 10:08	07/27/16 17:34	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		07/22/16 10:08	07/27/16 17:34	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		07/22/16 10:08	07/27/16 17:34	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		07/22/16 10:08	07/27/16 17:34	1
Di-n-octyl phthalate	~~1.1~~	J B U	10	0.44	ug/L		07/22/16 10:08	07/27/16 17:34	1
1,4-Dioxane	ND		10	1.0	ug/L		07/22/16 10:08	07/27/16 17:34	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		07/22/16 10:08	07/27/16 17:34	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/22/16 10:08	07/27/16 17:34	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		07/22/16 10:08	07/27/16 17:34	1
Hexachloroethane	ND		10	4.2	ug/L		07/22/16 10:08	07/27/16 17:34	1
Indene	ND		10	1.0	ug/L		07/22/16 10:08	07/27/16 17:34	1
Isophorone	ND		10	0.57	ug/L		07/22/16 10:08	07/27/16 17:34	1
2-Methylphenol	ND		10	1.8	ug/L		07/22/16 10:08	07/27/16 17:34	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		07/22/16 10:08	07/27/16 17:34	1
2-Nitroaniline	ND		10	2.2	ug/L		07/22/16 10:08	07/27/16 17:34	1
3-Nitroaniline	ND		10	1.8	ug/L		07/22/16 10:08	07/27/16 17:34	1
4-Nitroaniline	ND		10	2.5	ug/L		07/22/16 10:08	07/27/16 17:34	1
Nitrobenzene	ND		10	0.55	ug/L		07/22/16 10:08	07/27/16 17:34	1
2-Nitrophenol	ND		10	0.65	ug/L		07/22/16 10:08	07/27/16 17:34	1
4-Nitrophenol	ND		10	2.1	ug/L		07/22/16 10:08	07/27/16 17:34	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		07/22/16 10:08	07/27/16 17:34	1

Client Sample ID: P93B-ROX-071516

Date Collected: 07/15/16 14:30
Date Received: 07/16/16 09:14

Lab Sample ID: 400-124581-5

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		07/22/16 10:08	07/27/16 17:34	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		07/22/16 10:08	07/27/16 17:34	1
Pentachlorophenol	ND		20	1.8	ug/L		07/22/16 10:08	07/27/16 17:34	1
Phenol	**410**		50	13	ug/L		07/22/16 10:08	07/28/16 13:57	5
Pyridine	ND	* UJ	10	3.2	ug/L		07/22/16 10:08	07/27/16 17:34	1
Quinoline	ND	*	10	6.0	ug/L		07/22/16 10:08	07/27/16 17:34	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		07/22/16 10:08	07/27/16 17:34	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		07/22/16 10:08	07/27/16 17:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*76*		*34 - 120*	*07/22/16 10:08*	*07/27/16 17:34*	*1*
2-Fluorophenol	*68*		*10 - 120*	*07/22/16 10:08*	*07/27/16 17:34*	*1*
Nitrobenzene-d5	*78*		*27 - 120*	*07/22/16 10:08*	*07/27/16 17:34*	*1*
Phenol-d5	*56*		*10 - 120*	*07/22/16 10:08*	*07/27/16 17:34*	*1*
Terphenyl-d14	*61*		*53 - 125*	*07/22/16 10:08*	*07/27/16 17:34*	*1*
2,4,6-Tribromophenol	*105*		*15 - 135*	*07/22/16 10:08*	*07/27/16 17:34*	*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	0.0054	ug/L		07/24/16 10:51	07/25/16 17:34	1
1,2-Dibromoethane	ND		0.020	0.0049	ug/L		07/24/16 10:51	07/25/16 17:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*74*		*51 - 149*	*07/24/16 10:51*	*07/25/16 17:34*	*1*

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
*	LCS or LCSD 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.
X	Surrogate is outside control limits
*	LCS or LCSD is outside acceptance limits.
*	RPD of the LCS and LCSD exceeds the control limits
B	Compound was found in the blank and sample.

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 - 3Q16

TestAmerica Job ID: 400-124581-1
SDG: 60477387 - 1.03.003/1.03.0033

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)
400-124559-E-3 MS	Matrix Spike	100	99	101
400-124559-E-3 MSD	Matrix Spike Duplicate	100	101	99
400-124581-2	TB-ROX-071516W-8260	100	102	98
400-124581-3	P58-ROX-071516	93	108	92
400-124581-4	P93D-ROX-071516	100	103	97
400-124581-5	P93B-ROX-071516	93	110	91
400-124683-A-1 MS	Matrix Spike	98	102	96
400-124683-A-1 MSD	Matrix Spike Duplicate	97	103	97
LCS 400-315189/1002	Lab Control Sample	96	104	96
LCS 400-315486/1002	Lab Control Sample	103	100	99
MB 400-315189/4	Method Blank	98	101	96
MB 400-315486/4	Method Blank	93	103	93

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)
400-124581-3	P58-ROX-071516	57	50	63	45	37 X	87
400-124581-4	P93D-ROX-071516	43	36	45	35	41 X	66
400-124581-5	P93B-ROX-071516	76	68	78	56	61	105
LCS 400-315364/2-A	Lab Control Sample	76	71	74	75	104	112
LCS 400-315364/4-A	Lab Control Sample	86	70	87	82	101	102
LCSD 400-315364/3-A	Lab Control Sample Dup	81	78	81	81	100	116
LCSD 400-315364/5-A	Lab Control Sample Dup	85	78	85	85	111	103
MB 400-315364/1-A	Method Blank	82	68	83	80	109	98

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)
400-124581-3	P58-ROX-071516	21 X	48	47
400-124581-4	P93D-ROX-071516	27 X	34	35
400-124581-5	P93B-ROX-071516	25 X	44	45

Surrogate Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 3Q16

TestAmerica Job ID: 400-124581-1
SDG: 60477387 - 1.03.003/1.03.0033

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 400-315364/2-A	Lab Control Sample	76	78	58
LCSD 400-315364/3-A	Lab Control Sample Dup	78	81	58
MB 400-315364/1-A	Method Blank	100	64	58

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)
400-124581-1	TB-ROX-071516W-8011	99
400-124581-3	P58-ROX-071516	74
400-124581-4	P93D-ROX-071516	101
400-124581-5	P93B-ROX-071516	74
LCS 400-315512/2-A	Lab Control Sample	100
LCSD 400-315512/3-A	Lab Control Sample Dup	96
MB 400-315512/1-A	Method Blank	102

Surrogate Legend

BFB = 4-Bromofluorobenzene

Method Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 3Q16

TestAmerica Job ID: 400-124581-1
SDG: 60477387 - 1.03.003/1.03.0033

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 - 3Q16

TestAmerica Job ID: 400-124581-1
SDG: 60477387 - 1.03.003/1.03.0033

Client Sample ID: TB-ROX-071516W-8011

Lab Sample ID: 400-124581-1
Matrix: Water

Date Collected: 07/15/16 00:00
Date Received: 07/16/16 09:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35.8 mL	35 mL	315512	07/24/16 10:51	AM	TAL PEN
Total/NA	Analysis	8011		1			315812	07/25/16 16:04	AM	TAL PEN

Client Sample ID: TB-ROX-071516W-8260

Lab Sample ID: 400-124581-2
Matrix: Water

Date Collected: 07/15/16 00:00
Date Received: 07/16/16 09:14

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	315189	07/21/16 21:47	CS	TAL PEN

Client Sample ID: P58-ROX-071516

Lab Sample ID: 400-124581-3
Matrix: Water

Date Collected: 07/15/16 10:30
Date Received: 07/16/16 09:14

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	315486	07/24/16 02:10	HLW	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	315364	07/22/16 10:08	RMC	TAL PEN
Total/NA	Analysis	8270D		1			315904	07/27/16 16:34	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	315364	07/22/16 10:08	RMC	TAL PEN
Total/NA	Analysis	8270D		4			316608	07/31/16 11:18	KJA	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	315364	07/22/16 10:08	RMC	TAL PEN
Total/NA	Analysis	8270D LL		1			315643	07/25/16 20:43	VC1	TAL PEN
Total/NA	Prep	8011			34.5 mL	35 mL	315512	07/24/16 10:51	AM	TAL PEN
Total/NA	Analysis	8011		1			315812	07/25/16 16:34	AM	TAL PEN

Client Sample ID: P93D-ROX-071516

Lab Sample ID: 400-124581-4
Matrix: Water

Date Collected: 07/15/16 13:30
Date Received: 07/16/16 09:14

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	315189	07/21/16 22:15	CS	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	315364	07/22/16 10:08	RMC	TAL PEN
Total/NA	Analysis	8270D		1			315904	07/27/16 17:04	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	315364	07/22/16 10:08	RMC	TAL PEN
Total/NA	Analysis	8270D LL		1			315643	07/25/16 21:08	VC1	TAL PEN
Total/NA	Prep	8011			35.8 mL	35 mL	315512	07/24/16 10:51	AM	TAL PEN
Total/NA	Analysis	8011		1			315812	07/25/16 17:04	AM	TAL PEN

Client Sample ID: P93B-ROX-071516

Lab Sample ID: 400-124581-5

Date Collected: 07/15/16 14:30
Date Received: 07/16/16 09:14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1000	5 mL	5 mL	315486	07/24/16 01:44	HLW	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	315364	07/22/16 10:08	RMC	TAL PEN
Total/NA	Analysis	8270D		1			315904	07/27/16 17:34	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	315364	07/22/16 10:08	RMC	TAL PEN
Total/NA	Analysis	8270D		5			316123	07/28/16 13:57	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	315364	07/22/16 10:08	RMC	TAL PEN
Total/NA	Analysis	8270D LL		1			315643	07/25/16 21:34	VC1	TAL PEN
Total/NA	Prep	8011			35.4 mL	35 mL	315512	07/24/16 10:51	AM	TAL PEN
Total/NA	Analysis	8011		1			315812	07/25/16 17:34	AM	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-315189/4

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	315189	07/21/16 15:25	CS	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-315364/1-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	315364	07/22/16 10:08	RMC	TAL PEN
Total/NA	Analysis	8270D		1			315904	07/27/16 14:03	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	315364	07/22/16 10:08	RMC	TAL PEN
Total/NA	Analysis	8270D LL		1			315719	07/26/16 12:50	VC1	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-315486/4

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	315486	07/23/16 16:39	HLW	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-315512/1-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	315512	07/24/16 10:51	AM	TAL PEN
Total/NA	Analysis	8011		1			315812	07/25/16 09:35	AM	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-315189/1002

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	315189	07/21/16 14:15	CS	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-315364/2-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	315364	07/22/16 10:08	RMC	TAL PEN
Total/NA	Analysis	8270D		1			315904	07/27/16 14:33	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	315364	07/22/16 10:08	RMC	TAL PEN
Total/NA	Analysis	8270D LL		5			315643	07/25/16 19:52	VC1	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-315364/4-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	315364	07/22/16 10:08	RMC	TAL PEN
Total/NA	Analysis	8270D		1			315904	07/27/16 15:34	MAM	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-315486/1002

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	315486	07/23/16 15:31	HLW	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-315512/2-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	8011			35 mL	35 mL	315512	07/24/16 10:51	AM	TAL PEN
Total/NA	Analysis	8011		1			315812	07/25/16 10:04	AM	TAL PEN

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-315364/3-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	315364	07/22/16 10:08	RMC	TAL PEN
Total/NA	Analysis	8270D		1			315904	07/27/16 15:03	MAM	TAL PEN

Lab Chronicle

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 3Q16

TestAmerica Job ID: 400-124581-1
SDG: 60477387 - 1.03.003/1.03.0033

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

Lab Sample ID: LCSD 400-315364/3-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	315364	07/22/16 10:08	RMC	TAL PEN
Total/NA	Analysis	8270D LL		5			315643	07/25/16 20:17	VC1	TAL PEN

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

Lab Sample ID: LCSD 400-315364/5-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	315364	07/22/16 10:08	RMC	TAL PEN
Total/NA	Analysis	8270D		1			315904	07/27/16 16:04	MAM	TAL PEN

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

Lab Sample ID: LCSD 400-315512/3-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	315512	07/24/16 10:51	AM	TAL PEN
Total/NA	Analysis	8011		1			315812	07/25/16 10:34	AM	TAL PEN

Client Sample ID: Matrix Spike
Date Collected: 07/14/16 09:35
Date Received: 07/15/16 15:08

Lab Sample ID: 400-124559-E-3 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	315486	07/23/16 18:49	HLW	TAL PEN

Client Sample ID: Matrix Spike Duplicate
Date Collected: 07/14/16 09:35
Date Received: 07/15/16 15:08

Lab Sample ID: 400-124559-E-3 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	315486	07/23/16 19:15	HLW	TAL PEN

Client Sample ID: Matrix Spike
Date Collected: 07/19/16 12:24
Date Received: 07/19/16 17:30

Lab Sample ID: 400-124683-A-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	315189	07/21/16 16:47	CS	TAL PEN

Client Sample ID: Matrix Spike Duplicate

Date Collected: 07/19/16 12:24
Date Received: 07/19/16 17:30

Lab Sample ID: 400-124683-A-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	315189	07/21/16 17:15	CS	TAL PEN

Laboratory References:

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

GC/MS VOA

Analysis Batch: 315189

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124581-2	TB-ROX-071516W-8260	Total/NA	Water	8260B	
400-124581-4	P93D-ROX-071516	Total/NA	Water	8260B	
MB 400-315189/4	Method Blank	Total/NA	Water	8260B	
LCS 400-315189/1002	Lab Control Sample	Total/NA	Water	8260B	
400-124683-A-1 MS	Matrix Spike	Total/NA	Water	8260B	
400-124683-A-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	

Analysis Batch: 315486

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124581-3	P58-ROX-071516	Total/NA	Water	8260B	
400-124581-5	P93B-ROX-071516	Total/NA	Water	8260B	
MB 400-315486/4	Method Blank	Total/NA	Water	8260B	
LCS 400-315486/1002	Lab Control Sample	Total/NA	Water	8260B	
400-124559-E-3 MS	Matrix Spike	Total/NA	Water	8260B	
400-124559-E-3 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 315364

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124581-3	P58-ROX-071516	Total/NA	Water	3520C	
400-124581-4	P93D-ROX-071516	Total/NA	Water	3520C	
400-124581-5	P93B-ROX-071516	Total/NA	Water	3520C	
MB 400-315364/1-A	Method Blank	Total/NA	Water	3520C	
LCS 400-315364/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCS 400-315364/4-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 400-315364/3-A	Lab Control Sample Dup	Total/NA	Water	3520C	
LCSD 400-315364/5-A	Lab Control Sample Dup	Total/NA	Water	3520C	

Analysis Batch: 315643

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124581-3	P58-ROX-071516	Total/NA	Water	8270D LL	315364
400-124581-4	P93D-ROX-071516	Total/NA	Water	8270D LL	315364
400-124581-5	P93B-ROX-071516	Total/NA	Water	8270D LL	315364
LCS 400-315364/2-A	Lab Control Sample	Total/NA	Water	8270D LL	315364
LCSD 400-315364/3-A	Lab Control Sample Dup	Total/NA	Water	8270D LL	315364

Analysis Batch: 315719

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-315364/1-A	Method Blank	Total/NA	Water	8270D LL	315364

Analysis Batch: 315904

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124581-3	P58-ROX-071516	Total/NA	Water	8270D	315364
400-124581-4	P93D-ROX-071516	Total/NA	Water	8270D	315364
400-124581-5	P93B-ROX-071516	Total/NA	Water	8270D	315364
MB 400-315364/1-A	Method Blank	Total/NA	Water	8270D	315364
LCS 400-315364/2-A	Lab Control Sample	Total/NA	Water	8270D	315364
LCS 400-315364/4-A	Lab Control Sample	Total/NA	Water	8270D	315364
LCSD 400-315364/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	315364

GC/MS Semi VOA (Continued)

Analysis Batch: 315904 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 400-315364/5-A	Lab Control Sample Dup	Total/NA	Water	8270D	315364

Analysis Batch: 316123

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124581-5	P93B-ROX-071516	Total/NA	Water	8270D	315364

Analysis Batch: 316608

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124581-3	P58-ROX-071516	Total/NA	Water	8270D	315364

GC Semi VOA

Prep Batch: 315512

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124581-1	TB-ROX-071516W-8011	Total/NA	Water	8011	
400-124581-3	P58-ROX-071516	Total/NA	Water	8011	
400-124581-4	P93D-ROX-071516	Total/NA	Water	8011	
400-124581-5	P93B-ROX-071516	Total/NA	Water	8011	
MB 400-315512/1-A	Method Blank	Total/NA	Water	8011	
LCS 400-315512/2-A	Lab Control Sample	Total/NA	Water	8011	
LCSD 400-315512/3-A	Lab Control Sample Dup	Total/NA	Water	8011	

Analysis Batch: 315812

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124581-1	TB-ROX-071516W-8011	Total/NA	Water	8011	315512
400-124581-3	P58-ROX-071516	Total/NA	Water	8011	315512
400-124581-4	P93D-ROX-071516	Total/NA	Water	8011	315512
400-124581-5	P93B-ROX-071516	Total/NA	Water	8011	315512
MB 400-315512/1-A	Method Blank	Total/NA	Water	8011	315512
LCS 400-315512/2-A	Lab Control Sample	Total/NA	Water	8011	315512
LCSD 400-315512/3-A	Lab Control Sample Dup	Total/NA	Water	8011	315512

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

Lab Sample ID: MB 400-315189/4
Matrix: Water
Analysis Batch: 315189

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			07/21/16 15:25	1
Acrolein	ND		20	10	ug/L			07/21/16 15:25	1
Acrylonitrile	ND		10	2.8	ug/L			07/21/16 15:25	1
Benzene	ND		1.0	0.38	ug/L			07/21/16 15:25	1
Bromobenzene	ND		1.0	0.54	ug/L			07/21/16 15:25	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/21/16 15:25	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/21/16 15:25	1
Bromoform	ND		5.0	0.71	ug/L			07/21/16 15:25	1
Bromomethane	ND		1.0	0.98	ug/L			07/21/16 15:25	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/21/16 15:25	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/21/16 15:25	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			07/21/16 15:25	1
Chlorobenzene	ND		1.0	0.50	ug/L			07/21/16 15:25	1
Dibromochloromethane	ND		1.0	0.50	ug/L			07/21/16 15:25	1
Chloroethane	ND		1.0	0.76	ug/L			07/21/16 15:25	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/21/16 15:25	1
Chloroform	ND		1.0	0.60	ug/L			07/21/16 15:25	1
1-Chlorohexane	ND		1.0	0.70	ug/L			07/21/16 15:25	1
Chloromethane	ND		1.0	0.83	ug/L			07/21/16 15:25	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/21/16 15:25	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/21/16 15:25	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/21/16 15:25	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/21/16 15:25	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/21/16 15:25	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/21/16 15:25	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/21/16 15:25	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			07/21/16 15:25	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/21/16 15:25	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/21/16 15:25	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/21/16 15:25	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/21/16 15:25	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			07/21/16 15:25	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/21/16 15:25	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/21/16 15:25	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/21/16 15:25	1
2-Hexanone	ND		25	3.1	ug/L			07/21/16 15:25	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/21/16 15:25	1
Methylene bromide	ND		5.0	0.59	ug/L			07/21/16 15:25	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/21/16 15:25	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/21/16 15:25	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			07/21/16 15:25	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			07/21/16 15:25	1
Naphthalene	ND		1.0	1.0	ug/L			07/21/16 15:25	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/21/16 15:25	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/21/16 15:25	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/21/16 15:25	1
o-Xylene	ND		5.0	0.60	ug/L			07/21/16 15:25	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/21/16 15:25	1

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

Lab Sample ID: MB 400-315189/4
Matrix: Water
Analysis Batch: 315189

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			07/21/16 15:25	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/21/16 15:25	1
Styrene	ND		1.0	1.0	ug/L			07/21/16 15:25	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/21/16 15:25	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			07/21/16 15:25	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/21/16 15:25	1
Tetrachloroethene	ND		1.0	0.58	ug/L			07/21/16 15:25	1
Toluene	ND		1.0	0.70	ug/L			07/21/16 15:25	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/21/16 15:25	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/21/16 15:25	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			07/21/16 15:25	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/21/16 15:25	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			07/21/16 15:25	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			07/21/16 15:25	1
Trichloroethene	ND		1.0	0.50	ug/L			07/21/16 15:25	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			07/21/16 15:25	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/21/16 15:25	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/21/16 15:25	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/21/16 15:25	1
Vinyl acetate	ND		25	2.0	ug/L			07/21/16 15:25	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/21/16 15:25	1
Xylenes, Total	ND		10	1.6	ug/L			07/21/16 15:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*78 - 118*		*07/21/16 15:25*	*1*
Dibromofluoromethane	*101*		*81 - 121*		*07/21/16 15:25*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*07/21/16 15:25*	*1*

Lab Sample ID: LCS 400-315189/1002
Matrix: Water
Analysis Batch: 315189

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	200	179		ug/L		90	43 - 160
Acrolein	500	435		ug/L		87	38 - 160
Acrylonitrile	500	476		ug/L		95	64 - 142
Benzene	50.0	47.5		ug/L		95	70 - 130
Bromobenzene	50.0	44.9		ug/L		90	70 - 132
Bromochloromethane	50.0	46.4		ug/L		93	70 - 130
Bromodichloromethane	50.0	46.8		ug/L		94	67 - 133
Bromoform	50.0	40.8		ug/L		82	57 - 140
Bromomethane	50.0	82.0	*	ug/L		164	10 - 160
2-Butanone (MEK)	200	182		ug/L		91	61 - 145
Carbon disulfide	50.0	50.0		ug/L		100	61 - 137
Carbon tetrachloride	50.0	47.0		ug/L		94	61 - 137
Chlorobenzene	50.0	46.1		ug/L		92	70 - 130
Dibromochloromethane	50.0	45.4		ug/L		91	67 - 135
Chloroethane	50.0	39.3		ug/L		79	55 - 141

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

Lab Sample ID: LCS 400-315189/1002
Matrix: Water
Analysis Batch: 315189

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	25.8		ug/L		52	10 - 160
Chloroform	50.0	46.7		ug/L		93	69 - 130
1-Chlorohexane	50.0	44.7		ug/L		89	69 - 130
Chloromethane	50.0	37.0		ug/L		74	58 - 137
cis-1,2-Dichloroethene	50.0	47.1		ug/L		94	68 - 130
cis-1,3-Dichloropropene	50.0	47.7		ug/L		95	69 - 132
1,2-Dichlorobenzene	50.0	44.9		ug/L		90	67 - 130
1,3-Dichlorobenzene	50.0	45.8		ug/L		92	70 - 130
1,4-Dichlorobenzene	50.0	45.3		ug/L		91	70 - 130
Dichlorodifluoromethane	50.0	38.8		ug/L		78	41 - 146
1,1-Dichloroethane	50.0	47.5		ug/L		95	70 - 130
1,2-Dichloroethane	50.0	46.2		ug/L		92	69 - 130
1,1-Dichloroethene	50.0	51.4		ug/L		103	63 - 134
1,2-Dichloropropane	50.0	46.5		ug/L		93	70 - 130
1,3-Dichloropropane	50.0	45.1		ug/L		90	70 - 130
2,2-Dichloropropane	50.0	48.4		ug/L		97	52 - 135
1,1-Dichloropropene	50.0	48.0		ug/L		96	70 - 130
Ethylbenzene	50.0	46.3		ug/L		93	70 - 130
Ethyl methacrylate	50.0	43.6		ug/L		87	68 - 130
Hexachlorobutadiene	50.0	46.8		ug/L		94	53 - 140
2-Hexanone	200	162		ug/L		81	65 - 137
Isopropylbenzene	50.0	47.2		ug/L		94	70 - 130
Methylene bromide	50.0	47.5		ug/L		95	70 - 130
Methylene Chloride	50.0	46.2		ug/L		92	66 - 135
4-Methyl-2-pentanone (MIBK)	200	171		ug/L		86	69 - 138
Methyl tert-butyl ether	50.0	46.7		ug/L		93	66 - 130
m-Xylene & p-Xylene	50.0	46.0		ug/L		92	70 - 130
Naphthalene	50.0	42.6		ug/L		85	47 - 149
n-Butylbenzene	50.0	46.6		ug/L		93	67 - 130
N-Propylbenzene	50.0	45.4		ug/L		91	70 - 130
o-Chlorotoluene	50.0	45.1		ug/L		90	70 - 130
o-Xylene	50.0	46.5		ug/L		93	70 - 130
p-Chlorotoluene	50.0	44.8		ug/L		90	70 - 130
p-Isopropyltoluene	50.0	46.9		ug/L		94	65 - 130
sec-Butylbenzene	50.0	46.0		ug/L		92	66 - 130
Styrene	50.0	46.3		ug/L		93	70 - 130
tert-Butylbenzene	50.0	45.5		ug/L		91	64 - 139
1,1,1,2-Tetrachloroethane	50.0	45.8		ug/L		92	67 - 131
1,1,2,2-Tetrachloroethane	50.0	42.2		ug/L		84	70 - 131
Tetrachloroethene	50.0	46.8		ug/L		94	65 - 130
Toluene	50.0	44.5		ug/L		89	70 - 130
trans-1,2-Dichloroethene	50.0	48.9		ug/L		98	70 - 130
trans-1,3-Dichloropropene	50.0	44.5		ug/L		89	63 - 130
1,2,3-Trichlorobenzene	50.0	44.8		ug/L		90	60 - 138
1,2,4-Trichlorobenzene	50.0	45.2		ug/L		90	60 - 140
1,1,1-Trichloroethane	50.0	47.5		ug/L		95	68 - 130
1,1,2-Trichloroethane	50.0	45.4		ug/L		91	70 - 130
Trichloroethene	50.0	48.8		ug/L		98	70 - 130

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

Lab Sample ID: LCS 400-315189/1002
Matrix: Water
Analysis Batch: 315189

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	43.6		ug/L		87	65 - 138
1,2,3-Trichloropropane	50.0	43.1		ug/L		86	70 - 130
1,2,4-Trimethylbenzene	50.0	45.6		ug/L		91	70 - 130
1,3,5-Trimethylbenzene	50.0	45.7		ug/L		91	69 - 130
Vinyl acetate	100	90.0		ug/L		90	26 - 160
Vinyl chloride	50.0	41.8		ug/L		84	59 - 136
Xylenes, Total	100	92.5		ug/L		92	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*96*		*78 - 118*
Dibromofluoromethane	*104*		*81 - 121*
Toluene-d8 (Surr)	*96*		*80 - 120*

Lab Sample ID: 400-124683-A-1 MS
Matrix: Water
Analysis Batch: 315189

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		200	180		ug/L		90	43 - 160
Acrolein	ND		500	458		ug/L		92	38 - 160
Acrylonitrile	ND		500	533		ug/L		107	62 - 149
Benzene	ND		50.0	57.5		ug/L		115	56 - 142
Bromobenzene	ND		50.0	55.9		ug/L		112	59 - 136
Bromochloromethane	ND		50.0	55.8		ug/L		112	64 - 140
Bromodichloromethane	ND		50.0	55.4		ug/L		111	59 - 143
Bromoform	ND		50.0	48.7		ug/L		97	50 - 140
Bromomethane	ND	F1 *	50.0	103	F1	ug/L		206	10 - 160
2-Butanone (MEK)	ND		200	194		ug/L		97	55 - 150
Carbon disulfide	0.65	J	50.0	60.1		ug/L		119	48 - 152
Carbon tetrachloride	ND		50.0	56.4		ug/L		113	55 - 145
Chlorobenzene	ND		50.0	55.5		ug/L		111	64 - 130
Dibromochloromethane	ND		50.0	53.8		ug/L		108	56 - 143
Chloroethane	ND		50.0	45.9		ug/L		92	50 - 151
2-Chloroethyl vinyl ether	ND	F1	50.0	ND	F1	ug/L		0	10 - 160
Chloroform	ND		50.0	56.9		ug/L		114	60 - 141
1-Chlorohexane	ND		50.0	54.4		ug/L		109	56 - 136
Chloromethane	ND		50.0	43.4		ug/L		87	49 - 148
cis-1,2-Dichloroethene	ND		50.0	56.5		ug/L		113	59 - 143
cis-1,3-Dichloropropene	ND		50.0	56.3		ug/L		113	57 - 140
1,2-Dichlorobenzene	ND		50.0	55.3		ug/L		111	52 - 137
1,3-Dichlorobenzene	ND		50.0	56.2		ug/L		112	54 - 135
1,4-Dichlorobenzene	ND		50.0	55.9		ug/L		112	53 - 135
Dichlorodifluoromethane	ND		50.0	44.6		ug/L		89	16 - 160
1,1-Dichloroethane	ND		50.0	57.0		ug/L		114	61 - 144
1,2-Dichloroethane	ND		50.0	54.9		ug/L		110	60 - 141
1,1-Dichloroethene	ND		50.0	61.6		ug/L		123	54 - 147
1,2-Dichloropropane	ND		50.0	55.9		ug/L		112	66 - 137
1,3-Dichloropropane	ND		50.0	53.3		ug/L		107	66 - 133

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

Lab Sample ID: 400-124683-A-1 MS
Matrix: Water
Analysis Batch: 315189

Client Sample ID: Matrix Spike
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	57.4		ug/L		115	42 - 144
1,1-Dichloropropene	ND		50.0	57.4		ug/L		115	65 - 136
Ethylbenzene	ND		50.0	56.3		ug/L		113	58 - 131
Ethyl methacrylate	ND		50.0	50.0		ug/L		100	64 - 130
Hexachlorobutadiene	ND		50.0	58.0		ug/L		116	31 - 149
2-Hexanone	ND		200	183		ug/L		91	65 - 140
Isopropylbenzene	ND		50.0	57.2		ug/L		114	56 - 133
Methylene bromide	ND		50.0	56.0		ug/L		112	63 - 138
Methylene Chloride	ND		50.0	55.3		ug/L		111	60 - 146
4-Methyl-2-pentanone (MIBK)	ND		200	192		ug/L		96	63 - 146
Methyl tert-butyl ether	2.3		50.0	56.5		ug/L		108	59 - 137
m-Xylene & p-Xylene	ND		50.0	56.1		ug/L		112	57 - 130
Naphthalene	ND		50.0	50.1		ug/L		100	25 - 160
n-Butylbenzene	ND		50.0	57.0		ug/L		114	41 - 142
N-Propylbenzene	ND		50.0	56.4		ug/L		113	51 - 138
o-Chlorotoluene	ND		50.0	55.6		ug/L		111	53 - 134
o-Xylene	ND		50.0	56.0		ug/L		112	61 - 130
p-Chlorotoluene	ND		50.0	55.6		ug/L		111	54 - 133
p-Isopropyltoluene	ND		50.0	58.3		ug/L		117	48 - 139
sec-Butylbenzene	ND		50.0	57.4		ug/L		115	50 - 138
Styrene	ND		50.0	55.9		ug/L		112	58 - 131
tert-Butylbenzene	ND		50.0	56.6		ug/L		113	54 - 146
1,1,1,2-Tetrachloroethane	ND		50.0	55.0		ug/L		110	59 - 137
1,1,2,2-Tetrachloroethane	ND		50.0	50.7		ug/L		101	66 - 135
Tetrachloroethene	ND		50.0	54.9		ug/L		110	52 - 133
Toluene	ND		50.0	54.1		ug/L		108	65 - 130
trans-1,2-Dichloroethene	ND		50.0	58.9		ug/L		118	61 - 143
trans-1,3-Dichloropropene	ND		50.0	52.3		ug/L		105	53 - 133
1,2,3-Trichlorobenzene	ND		50.0	54.4		ug/L		109	43 - 145
1,2,4-Trichlorobenzene	ND		50.0	54.8		ug/L		110	39 - 148
1,1,1-Trichloroethane	ND		50.0	56.8		ug/L		114	57 - 142
1,1,2-Trichloroethane	ND		50.0	53.6		ug/L		107	66 - 131
Trichloroethene	ND		50.0	58.2		ug/L		116	64 - 136
Trichlorofluoromethane	ND		50.0	50.2		ug/L		100	54 - 156
1,2,3-Trichloropropane	ND		50.0	51.7		ug/L		103	65 - 133
1,2,4-Trimethylbenzene	ND		50.0	56.2		ug/L		112	50 - 139
1,3,5-Trimethylbenzene	ND		50.0	56.5		ug/L		113	52 - 135
Vinyl acetate	ND		100	98.4		ug/L		98	26 - 160
Vinyl chloride	ND		50.0	48.3		ug/L		97	46 - 152
Xylenes, Total	ND		100	112		ug/L		112	59 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*98*		*78 - 118*
Dibromofluoromethane	*102*		*81 - 121*
Toluene-d8 (Surr)	*96*		*80 - 120*

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

Lab Sample ID: 400-124683-A-1 MSD
Matrix: Water
Analysis Batch: 315189

Client Sample ID: Matrix Spike Duplicate
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	179		ug/L		89	43 - 160	1	30
Acrolein	ND		500	487		ug/L		97	38 - 160	6	31
Acrylonitrile	ND		500	533		ug/L		107	62 - 149	0	30
Benzene	ND		50.0	59.1		ug/L		118	56 - 142	3	30
Bromobenzene	ND		50.0	56.7		ug/L		113	59 - 136	1	30
Bromochloromethane	ND		50.0	57.0		ug/L		114	64 - 140	2	30
Bromodichloromethane	ND		50.0	57.8		ug/L		116	59 - 143	4	30
Bromoform	ND		50.0	49.7		ug/L		99	50 - 140	2	30
Bromomethane	ND	F1 *	50.0	106	F1	ug/L		211	10 - 160	3	50
2-Butanone (MEK)	ND		200	200		ug/L		100	55 - 150	3	30
Carbon disulfide	0.65	J	50.0	61.4		ug/L		121	48 - 152	2	30
Carbon tetrachloride	ND		50.0	59.1		ug/L		118	55 - 145	5	30
Chlorobenzene	ND		50.0	57.2		ug/L		114	64 - 130	3	30
Dibromochloromethane	ND		50.0	56.0		ug/L		112	56 - 143	4	30
Chloroethane	ND		50.0	49.3		ug/L		99	50 - 151	7	30
2-Chloroethyl vinyl ether	ND	F1	50.0	ND	F1	ug/L		0	10 - 160	NC	50
Chloroform	ND		50.0	58.8		ug/L		118	60 - 141	3	30
1-Chlorohexane	ND		50.0	55.9		ug/L		112	56 - 136	3	30
Chloromethane	ND		50.0	44.2		ug/L		88	49 - 148	2	31
cis-1,2-Dichloroethene	ND		50.0	58.7		ug/L		117	59 - 143	4	30
cis-1,3-Dichloropropene	ND		50.0	58.7		ug/L		117	57 - 140	4	30
1,2-Dichlorobenzene	ND		50.0	55.9		ug/L		112	52 - 137	1	30
1,3-Dichlorobenzene	ND		50.0	57.1		ug/L		114	54 - 135	2	30
1,4-Dichlorobenzene	ND		50.0	56.4		ug/L		113	53 - 135	1	30
Dichlorodifluoromethane	ND		50.0	46.9		ug/L		94	16 - 160	5	31
1,1-Dichloroethane	ND		50.0	59.9		ug/L		120	61 - 144	5	30
1,2-Dichloroethane	ND		50.0	56.5		ug/L		113	60 - 141	3	30
1,1-Dichloroethene	ND		50.0	64.7		ug/L		129	54 - 147	5	30
1,2-Dichloropropane	ND		50.0	58.1		ug/L		116	66 - 137	4	30
1,3-Dichloropropane	ND		50.0	55.8		ug/L		112	66 - 133	5	30
2,2-Dichloropropane	ND		50.0	60.3		ug/L		121	42 - 144	5	31
1,1-Dichloropropene	ND		50.0	59.9		ug/L		120	65 - 136	4	30
Ethylbenzene	ND		50.0	57.6		ug/L		115	58 - 131	2	30
Ethyl methacrylate	ND		50.0	51.7		ug/L		103	64 - 130	3	30
Hexachlorobutadiene	ND		50.0	58.5		ug/L		117	31 - 149	1	36
2-Hexanone	ND		200	182		ug/L		91	65 - 140	0	30
Isopropylbenzene	ND		50.0	58.4		ug/L		117	56 - 133	2	30
Methylene bromide	ND		50.0	58.5		ug/L		117	63 - 138	4	30
Methylene Chloride	ND		50.0	56.6		ug/L		113	60 - 146	2	32
4-Methyl-2-pentanone (MIBK)	ND		200	195		ug/L		98	63 - 146	2	30
Methyl tert-butyl ether	2.3		50.0	58.3		ug/L		112	59 - 137	3	30
m-Xylene & p-Xylene	ND		50.0	56.9		ug/L		114	57 - 130	2	30
Naphthalene	ND		50.0	51.4		ug/L		103	25 - 160	3	30
n-Butylbenzene	ND		50.0	57.0		ug/L		114	41 - 142	0	31
N-Propylbenzene	ND		50.0	57.0		ug/L		114	51 - 138	1	30
o-Chlorotoluene	ND		50.0	56.0		ug/L		112	53 - 134	1	30
o-Xylene	ND		50.0	57.1		ug/L		114	61 - 130	2	30
p-Chlorotoluene	ND		50.0	56.3		ug/L		113	54 - 133	1	30

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

Lab Sample ID: 400-124683-A-1 MSD
Matrix: Water
Analysis Batch: 315189

Client Sample ID: Matrix Spike Duplicate
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	58.5		ug/L		117	48 - 139	0	30
sec-Butylbenzene	ND		50.0	58.0		ug/L		116	50 - 138	1	30
Styrene	ND		50.0	57.1		ug/L		114	58 - 131	2	30
tert-Butylbenzene	ND		50.0	57.2		ug/L		114	54 - 146	1	30
1,1,1,2-Tetrachloroethane	ND		50.0	57.7		ug/L		115	59 - 137	5	30
1,1,2,2-Tetrachloroethane	ND		50.0	50.8		ug/L		102	66 - 135	0	30
Tetrachloroethene	ND		50.0	56.9		ug/L		114	52 - 133	4	30
Toluene	ND		50.0	55.9		ug/L		112	65 - 130	3	30
trans-1,2-Dichloroethene	ND		50.0	61.3		ug/L		123	61 - 143	4	30
trans-1,3-Dichloropropene	ND		50.0	55.7		ug/L		111	53 - 133	6	30
1,2,3-Trichlorobenzene	ND		50.0	55.5		ug/L		111	43 - 145	2	30
1,2,4-Trichlorobenzene	ND		50.0	55.4		ug/L		111	39 - 148	1	30
1,1,1-Trichloroethane	ND		50.0	59.1		ug/L		118	57 - 142	4	30
1,1,2-Trichloroethane	ND		50.0	55.9		ug/L		112	66 - 131	4	30
Trichloroethene	ND		50.0	60.1		ug/L		120	64 - 136	3	30
Trichlorofluoromethane	ND		50.0	44.7		ug/L		89	54 - 156	11	30
1,2,3-Trichloropropane	ND		50.0	51.0		ug/L		102	65 - 133	1	30
1,2,4-Trimethylbenzene	ND		50.0	57.1		ug/L		114	50 - 139	2	30
1,3,5-Trimethylbenzene	ND		50.0	57.3		ug/L		115	52 - 135	1	30
Vinyl acetate	ND		100	105		ug/L		105	26 - 160	6	33
Vinyl chloride	ND		50.0	51.0		ug/L		102	46 - 152	5	30
Xylenes, Total	ND		100	114		ug/L		114	59 - 130	2	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*97*		*78 - 118*
Dibromofluoromethane	*103*		*81 - 121*
Toluene-d8 (Surr)	*97*		*80 - 120*

Lab Sample ID: MB 400-315486/4
Matrix: Water
Analysis Batch: 315486

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			07/23/16 16:39	1
Acrolein	ND		20	10	ug/L			07/23/16 16:39	1
Acrylonitrile	ND		10	2.8	ug/L			07/23/16 16:39	1
Benzene	ND		1.0	0.38	ug/L			07/23/16 16:39	1
Bromobenzene	ND		1.0	0.54	ug/L			07/23/16 16:39	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/23/16 16:39	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/23/16 16:39	1
Bromoform	ND		5.0	0.71	ug/L			07/23/16 16:39	1
Bromomethane	ND		1.0	0.98	ug/L			07/23/16 16:39	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/23/16 16:39	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/23/16 16:39	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			07/23/16 16:39	1
Chlorobenzene	ND		1.0	0.50	ug/L			07/23/16 16:39	1
Dibromochloromethane	ND		1.0	0.50	ug/L			07/23/16 16:39	1
Chloroethane	ND		1.0	0.76	ug/L			07/23/16 16:39	1

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

Lab Sample ID: MB 400-315486/4
Matrix: Water
Analysis Batch: 315486

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			07/23/16 16:39	1
Chloroform	ND		1.0	0.60	ug/L			07/23/16 16:39	1
1-Chlorohexane	ND		1.0	0.70	ug/L			07/23/16 16:39	1
Chloromethane	ND		1.0	0.83	ug/L			07/23/16 16:39	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/23/16 16:39	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/23/16 16:39	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/23/16 16:39	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/23/16 16:39	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/23/16 16:39	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/23/16 16:39	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/23/16 16:39	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			07/23/16 16:39	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/23/16 16:39	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/23/16 16:39	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/23/16 16:39	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/23/16 16:39	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			07/23/16 16:39	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/23/16 16:39	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/23/16 16:39	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/23/16 16:39	1
2-Hexanone	ND		25	3.1	ug/L			07/23/16 16:39	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/23/16 16:39	1
Methylene bromide	ND		5.0	0.59	ug/L			07/23/16 16:39	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/23/16 16:39	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/23/16 16:39	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			07/23/16 16:39	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			07/23/16 16:39	1
Naphthalene	ND		1.0	1.0	ug/L			07/23/16 16:39	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/23/16 16:39	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/23/16 16:39	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/23/16 16:39	1
o-Xylene	ND		5.0	0.60	ug/L			07/23/16 16:39	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/23/16 16:39	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/23/16 16:39	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/23/16 16:39	1
Styrene	ND		1.0	1.0	ug/L			07/23/16 16:39	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/23/16 16:39	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			07/23/16 16:39	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/23/16 16:39	1
Tetrachloroethene	ND		1.0	0.58	ug/L			07/23/16 16:39	1
Toluene	ND		1.0	0.70	ug/L			07/23/16 16:39	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/23/16 16:39	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/23/16 16:39	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			07/23/16 16:39	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/23/16 16:39	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			07/23/16 16:39	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			07/23/16 16:39	1
Trichloroethene	ND		1.0	0.50	ug/L			07/23/16 16:39	1

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

Lab Sample ID: MB 400-315486/4
Matrix: Water
Analysis Batch: 315486

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			07/23/16 16:39	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/23/16 16:39	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/23/16 16:39	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/23/16 16:39	1
Vinyl acetate	ND		25	2.0	ug/L			07/23/16 16:39	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/23/16 16:39	1
Xylenes, Total	ND		10	1.6	ug/L			07/23/16 16:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*78 - 118*		*07/23/16 16:39*	*1*
Dibromofluoromethane	*103*		*81 - 121*		*07/23/16 16:39*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*07/23/16 16:39*	*1*

Lab Sample ID: LCS 400-315486/1002
Matrix: Water
Analysis Batch: 315486

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	200	199		ug/L		100	43 - 160
Acrolein	400	420		ug/L		105	38 - 160
Acrylonitrile	500	522		ug/L		104	64 - 142
Benzene	50.0	49.0		ug/L		98	70 - 130
Bromobenzene	50.0	52.1		ug/L		104	70 - 132
Bromochloromethane	50.0	47.0		ug/L		94	70 - 130
Bromodichloromethane	50.0	49.7		ug/L		99	67 - 133
Bromoform	50.0	51.4		ug/L		103	57 - 140
Bromomethane	40.0	29.6		ug/L		74	10 - 160
2-Butanone (MEK)	200	205		ug/L		102	61 - 145
Carbon disulfide	50.0	48.1		ug/L		96	61 - 137
Carbon tetrachloride	50.0	46.8		ug/L		94	61 - 137
Chlorobenzene	50.0	52.1		ug/L		104	70 - 130
Dibromochloromethane	50.0	50.8		ug/L		102	67 - 135
Chloroethane	40.0	38.7		ug/L		97	55 - 141
2-Chloroethyl vinyl ether	40.0	116	*	ug/L		289	10 - 160
Chloroform	50.0	47.0		ug/L		94	69 - 130
1-Chlorohexane	50.0	51.2		ug/L		102	69 - 130
Chloromethane	40.0	40.2		ug/L		100	58 - 137
cis-1,2-Dichloroethene	50.0	47.9		ug/L		96	68 - 130
cis-1,3-Dichloropropene	50.0	49.9		ug/L		100	69 - 132
1,2-Dichlorobenzene	50.0	51.8		ug/L		104	67 - 130
1,3-Dichlorobenzene	50.0	52.2		ug/L		104	70 - 130
1,4-Dichlorobenzene	50.0	54.0		ug/L		108	70 - 130
Dichlorodifluoromethane	40.0	36.0		ug/L		90	41 - 146
1,1-Dichloroethane	50.0	49.2		ug/L		98	70 - 130
1,2-Dichloroethane	50.0	47.8		ug/L		96	69 - 130
1,1-Dichloroethene	50.0	47.7		ug/L		95	63 - 134
1,2-Dichloropropane	50.0	47.4		ug/L		95	70 - 130
1,3-Dichloropropane	50.0	50.4		ug/L		101	70 - 130

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

Lab Sample ID: LCS 400-315486/1002
Matrix: Water
Analysis Batch: 315486

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	46.6		ug/L		93	52 - 135
1,1-Dichloropropene	50.0	49.3		ug/L		99	70 - 130
Ethylbenzene	50.0	50.6		ug/L		101	70 - 130
Ethyl methacrylate	50.0	51.5		ug/L		103	68 - 130
Hexachlorobutadiene	50.0	54.4		ug/L		109	53 - 140
2-Hexanone	200	213		ug/L		106	65 - 137
Isopropylbenzene	50.0	51.8		ug/L		104	70 - 130
Methylene bromide	50.0	49.1		ug/L		98	70 - 130
Methylene Chloride	50.0	47.7		ug/L		95	66 - 135
4-Methyl-2-pentanone (MIBK)	200	214		ug/L		107	69 - 138
Methyl tert-butyl ether	50.0	48.2		ug/L		96	66 - 130
m-Xylene & p-Xylene	50.0	51.0		ug/L		102	70 - 130
Naphthalene	50.0	53.1		ug/L		106	47 - 149
n-Butylbenzene	50.0	51.7		ug/L		103	67 - 130
N-Propylbenzene	50.0	50.0		ug/L		100	70 - 130
o-Chlorotoluene	50.0	48.9		ug/L		98	70 - 130
o-Xylene	50.0	50.9		ug/L		102	70 - 130
p-Chlorotoluene	50.0	51.3		ug/L		103	70 - 130
p-Isopropyltoluene	50.0	51.3		ug/L		103	65 - 130
sec-Butylbenzene	50.0	50.1		ug/L		100	66 - 130
Styrene	50.0	50.6		ug/L		101	70 - 130
tert-Butylbenzene	50.0	52.3		ug/L		105	64 - 139
1,1,1,2-Tetrachloroethane	50.0	51.2		ug/L		102	67 - 131
1,1,2,2-Tetrachloroethane	50.0	55.2		ug/L		110	70 - 131
Tetrachloroethene	50.0	50.4		ug/L		101	65 - 130
Toluene	50.0	50.4		ug/L		101	70 - 130
trans-1,2-Dichloroethene	50.0	47.7		ug/L		95	70 - 130
trans-1,3-Dichloropropene	50.0	50.8		ug/L		102	63 - 130
1,2,3-Trichlorobenzene	50.0	54.7		ug/L		109	60 - 138
1,2,4-Trichlorobenzene	50.0	56.1		ug/L		112	60 - 140
1,1,1-Trichloroethane	50.0	48.5		ug/L		97	68 - 130
1,1,2-Trichloroethane	50.0	50.9		ug/L		102	70 - 130
Trichloroethene	50.0	50.7		ug/L		101	70 - 130
Trichlorofluoromethane	40.0	38.8		ug/L		97	65 - 138
1,2,3-Trichloropropane	50.0	50.7		ug/L		101	70 - 130
1,2,4-Trimethylbenzene	50.0	48.5		ug/L		97	70 - 130
1,3,5-Trimethylbenzene	50.0	52.2		ug/L		104	69 - 130
Vinyl acetate	80.0	82.1		ug/L		103	26 - 160
Vinyl chloride	40.0	40.5		ug/L		101	59 - 136
Xylenes, Total	100	102		ug/L		102	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*103*		*78 - 118*
Dibromofluoromethane	*100*		*81 - 121*
Toluene-d8 (Surr)	*99*		*80 - 120*

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

Lab Sample ID: 400-124559-E-3 MS
Matrix: Water
Analysis Batch: 315486

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		200	183		ug/L		92	43 - 160
Acrolein	ND		400	476		ug/L		119	38 - 160
Acrylonitrile	ND		500	583		ug/L		117	62 - 149
Benzene	9.8		50.0	60.2		ug/L		101	56 - 142
Bromobenzene	ND		50.0	52.8		ug/L		106	59 - 136
Bromochloromethane	ND		50.0	50.9		ug/L		102	64 - 140
Bromodichloromethane	ND		50.0	51.8		ug/L		104	59 - 143
Bromoform	ND		50.0	53.4		ug/L		107	50 - 140
Bromomethane	ND		40.0	34.0		ug/L		85	10 - 160
2-Butanone (MEK)	ND		200	221		ug/L		110	55 - 150
Carbon disulfide	ND		50.0	51.0		ug/L		102	48 - 152
Carbon tetrachloride	ND		50.0	49.0		ug/L		98	55 - 145
Chlorobenzene	ND		50.0	55.6		ug/L		111	64 - 130
Dibromochloromethane	ND		50.0	52.9		ug/L		106	56 - 143
Chloroethane	ND		40.0	43.0		ug/L		108	50 - 151
2-Chloroethyl vinyl ether	ND	F1 *	40.0	ND	F1	ug/L		0	10 - 160
Chloroform	ND		50.0	51.0		ug/L		102	60 - 141
1-Chlorohexane	ND		50.0	53.6		ug/L		107	56 - 136
Chloromethane	ND		40.0	41.0		ug/L		103	49 - 148
cis-1,2-Dichloroethene	ND		50.0	51.4		ug/L		103	59 - 143
cis-1,3-Dichloropropene	ND		50.0	52.6		ug/L		105	57 - 140
1,2-Dichlorobenzene	ND		50.0	53.3		ug/L		107	52 - 137
1,3-Dichlorobenzene	ND		50.0	52.6		ug/L		105	54 - 135
1,4-Dichlorobenzene	ND		50.0	53.9		ug/L		108	53 - 135
Dichlorodifluoromethane	ND		40.0	35.0		ug/L		88	16 - 160
1,1-Dichloroethane	ND		50.0	52.3		ug/L		105	61 - 144
1,2-Dichloroethane	ND		50.0	52.0		ug/L		104	60 - 141
1,1-Dichloroethene	ND		50.0	50.7		ug/L		101	54 - 147
1,2-Dichloropropane	ND		50.0	50.2		ug/L		100	66 - 137
1,3-Dichloropropane	ND		50.0	54.6		ug/L		109	66 - 133
2,2-Dichloropropane	ND		50.0	48.4		ug/L		97	42 - 144
1,1-Dichloropropene	ND		50.0	51.7		ug/L		103	65 - 136
Ethylbenzene	ND		50.0	53.7		ug/L		107	58 - 131
Ethyl methacrylate	ND		50.0	56.0		ug/L		112	64 - 130
Hexachlorobutadiene	ND		50.0	51.0		ug/L		102	31 - 149
2-Hexanone	ND		200	233		ug/L		117	65 - 140
Isopropylbenzene	ND		50.0	54.6		ug/L		109	56 - 133
Methylene bromide	ND		50.0	52.3		ug/L		105	63 - 138
Methylene Chloride	ND		50.0	51.2		ug/L		102	60 - 146
4-Methyl-2-pentanone (MIBK)	ND		200	236		ug/L		118	63 - 146
Methyl tert-butyl ether	1.1		50.0	52.8		ug/L		103	59 - 137
m-Xylene & p-Xylene	ND		50.0	54.7		ug/L		109	57 - 130
Naphthalene	ND		50.0	54.2		ug/L		108	25 - 160
n-Butylbenzene	ND		50.0	50.0		ug/L		100	41 - 142
N-Propylbenzene	ND		50.0	50.3		ug/L		101	51 - 138
o-Chlorotoluene	ND		50.0	48.2		ug/L		96	53 - 134
o-Xylene	ND		50.0	54.2		ug/L		108	61 - 130
p-Chlorotoluene	ND		50.0	50.9		ug/L		102	54 - 133

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

Lab Sample ID: 400-124559-E-3 MS
Matrix: Water
Analysis Batch: 315486

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
p-Isopropyltoluene	ND		50.0	50.4		ug/L		101	48 - 139
sec-Butylbenzene	ND		50.0	49.8		ug/L		100	50 - 138
Styrene	ND		50.0	53.3		ug/L		107	58 - 131
tert-Butylbenzene	ND		50.0	53.4		ug/L		107	54 - 146
1,1,1,2-Tetrachloroethane	ND		50.0	53.9		ug/L		108	59 - 137
1,1,2,2-Tetrachloroethane	ND		50.0	56.6		ug/L		113	66 - 135
Tetrachloroethene	ND		50.0	52.0		ug/L		104	52 - 133
Toluene	1.3		50.0	55.0		ug/L		107	65 - 130
trans-1,2-Dichloroethene	ND		50.0	50.1		ug/L		100	61 - 143
trans-1,3-Dichloropropene	ND		50.0	53.5		ug/L		107	53 - 133
1,2,3-Trichlorobenzene	ND		50.0	54.0		ug/L		108	43 - 145
1,2,4-Trichlorobenzene	ND		50.0	53.9		ug/L		108	39 - 148
1,1,1-Trichloroethane	ND		50.0	52.5		ug/L		105	57 - 142
1,1,2-Trichloroethane	ND		50.0	56.2		ug/L		112	66 - 131
Trichloroethene	ND		50.0	53.1		ug/L		106	64 - 136
Trichlorofluoromethane	ND		40.0	43.7		ug/L		109	54 - 156
1,2,3-Trichloropropane	ND		50.0	55.9		ug/L		112	65 - 133
1,2,4-Trimethylbenzene	ND		50.0	49.7		ug/L		99	50 - 139
1,3,5-Trimethylbenzene	ND		50.0	53.0		ug/L		106	52 - 135
Vinyl acetate	ND		80.0	88.3		ug/L		110	26 - 160
Vinyl chloride	ND		40.0	41.9		ug/L		105	46 - 152
Xylenes, Total	1.7	J	100	109		ug/L		107	59 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*78 - 118*
Dibromofluoromethane	*99*		*81 - 121*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: 400-124559-E-3 MSD
Matrix: Water
Analysis Batch: 315486

Client Sample ID: Matrix Spike Duplicate
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	168		ug/L		84	43 - 160	9	30
Acrolein	ND		400	433		ug/L		108	38 - 160	9	31
Acrylonitrile	ND		500	534		ug/L		107	62 - 149	9	30
Benzene	9.8		50.0	58.1		ug/L		96	56 - 142	4	30
Bromobenzene	ND		50.0	50.4		ug/L		101	59 - 136	5	30
Bromochloromethane	ND		50.0	48.0		ug/L		96	64 - 140	6	30
Bromodichloromethane	ND		50.0	49.9		ug/L		100	59 - 143	4	30
Bromoform	ND		50.0	49.8		ug/L		100	50 - 140	7	30
Bromomethane	ND		40.0	31.3		ug/L		78	10 - 160	8	50
2-Butanone (MEK)	ND		200	200		ug/L		100	55 - 150	10	30
Carbon disulfide	ND		50.0	48.5		ug/L		97	48 - 152	5	30
Carbon tetrachloride	ND		50.0	47.2		ug/L		94	55 - 145	4	30
Chlorobenzene	ND		50.0	52.1		ug/L		104	64 - 130	6	30
Dibromochloromethane	ND		50.0	49.5		ug/L		99	56 - 143	7	30
Chloroethane	ND		40.0	40.4		ug/L		101	50 - 151	6	30

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

Lab Sample ID: 400-124559-E-3 MSD
Matrix: Water
Analysis Batch: 315486

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Chloroethyl vinyl ether	ND	F1 *	40.0	ND	F1	ug/L		0	10 - 160	NC	50
Chloroform	ND		50.0	48.4		ug/L		97	60 - 141	5	30
1-Chlorohexane	ND		50.0	51.1		ug/L		102	56 - 136	5	30
Chloromethane	ND		40.0	38.5		ug/L		96	49 - 148	6	31
cis-1,2-Dichloroethene	ND		50.0	49.1		ug/L		98	59 - 143	5	30
cis-1,3-Dichloropropene	ND		50.0	49.4		ug/L		99	57 - 140	6	30
1,2-Dichlorobenzene	ND		50.0	51.3		ug/L		103	52 - 137	4	30
1,3-Dichlorobenzene	ND		50.0	50.5		ug/L		101	54 - 135	4	30
1,4-Dichlorobenzene	ND		50.0	52.6		ug/L		105	53 - 135	3	30
Dichlorodifluoromethane	ND		40.0	33.1		ug/L		83	16 - 160	6	31
1,1-Dichloroethane	ND		50.0	49.7		ug/L		99	61 - 144	5	30
1,2-Dichloroethane	ND		50.0	48.3		ug/L		97	60 - 141	7	30
1,1-Dichloroethene	ND		50.0	48.0		ug/L		96	54 - 147	5	30
1,2-Dichloropropane	ND		50.0	48.2		ug/L		96	66 - 137	4	30
1,3-Dichloropropane	ND		50.0	51.3		ug/L		103	66 - 133	6	30
2,2-Dichloropropane	ND		50.0	45.8		ug/L		92	42 - 144	6	31
1,1-Dichloropropene	ND		50.0	49.6		ug/L		99	65 - 136	4	30
Ethylbenzene	ND		50.0	51.2		ug/L		102	58 - 131	5	30
Ethyl methacrylate	ND		50.0	51.7		ug/L		103	64 - 130	8	30
Hexachlorobutadiene	ND		50.0	51.3		ug/L		103	31 - 149	1	36
2-Hexanone	ND		200	212		ug/L		106	65 - 140	10	30
Isopropylbenzene	ND		50.0	51.8		ug/L		104	56 - 133	5	30
Methylene bromide	ND		50.0	49.5		ug/L		99	63 - 138	6	30
Methylene Chloride	ND		50.0	48.2		ug/L		96	60 - 146	6	32
4-Methyl-2-pentanone (MIBK)	ND		200	217		ug/L		109	63 - 146	8	30
Methyl tert-butyl ether	1.1		50.0	49.5		ug/L		97	59 - 137	7	30
m-Xylene & p-Xylene	ND		50.0	51.8		ug/L		104	57 - 130	5	30
Naphthalene	ND		50.0	52.3		ug/L		105	25 - 160	4	30
n-Butylbenzene	ND		50.0	50.0		ug/L		100	41 - 142	0	31
N-Propylbenzene	ND		50.0	48.7		ug/L		97	51 - 138	3	30
o-Chlorotoluene	ND		50.0	46.2		ug/L		92	53 - 134	4	30
o-Xylene	ND		50.0	51.4		ug/L		103	61 - 130	5	30
p-Chlorotoluene	ND		50.0	49.4		ug/L		99	54 - 133	3	30
p-Isopropyltoluene	ND		50.0	50.0		ug/L		100	48 - 139	1	30
sec-Butylbenzene	ND		50.0	48.4		ug/L		97	50 - 138	3	30
Styrene	ND		50.0	50.2		ug/L		100	58 - 131	6	30
tert-Butylbenzene	ND		50.0	51.8		ug/L		104	54 - 146	3	30
1,1,1,2-Tetrachloroethane	ND		50.0	50.3		ug/L		101	59 - 137	7	30
1,1,2,2-Tetrachloroethane	ND		50.0	52.9		ug/L		106	66 - 135	7	30
Tetrachloroethene	ND		50.0	49.5		ug/L		99	52 - 133	5	30
Toluene	1.3		50.0	51.9		ug/L		101	65 - 130	6	30
trans-1,2-Dichloroethene	ND		50.0	48.0		ug/L		96	61 - 143	4	30
trans-1,3-Dichloropropene	ND		50.0	50.1		ug/L		100	53 - 133	7	30
1,2,3-Trichlorobenzene	ND		50.0	53.8		ug/L		108	43 - 145	1	30
1,2,4-Trichlorobenzene	ND		50.0	53.2		ug/L		106	39 - 148	1	30
1,1,1-Trichloroethane	ND		50.0	49.5		ug/L		99	57 - 142	6	30
1,1,2-Trichloroethane	ND		50.0	51.6		ug/L		103	66 - 131	9	30
Trichloroethene	ND		50.0	50.6		ug/L		101	64 - 136	5	30

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

Lab Sample ID: 400-124559-E-3 MSD
Matrix: Water
Analysis Batch: 315486

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Trichlorofluoromethane	ND		40.0	40.1		ug/L		100	54 - 156	9	30
1,2,3-Trichloropropane	ND		50.0	51.8		ug/L		104	65 - 133	8	30
1,2,4-Trimethylbenzene	ND		50.0	48.0		ug/L		96	50 - 139	3	30
1,3,5-Trimethylbenzene	ND		50.0	51.3		ug/L		103	52 - 135	3	30
Vinyl acetate	ND		80.0	82.2		ug/L		103	26 - 160	7	33
Vinyl chloride	ND		40.0	39.7		ug/L		99	46 - 152	6	30
Xylenes, Total	1.7	J	100	103		ug/L		102	59 - 130	5	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*78 - 118*
Dibromofluoromethane	*101*		*81 - 121*
Toluene-d8 (Surr)	*99*		*80 - 120*

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

Lab Sample ID: MB 400-315364/1-A
Matrix: Water
Analysis Batch: 315904

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 315364

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		07/22/16 10:08	07/27/16 14:03	1
Benzenethiol	ND		10	1.7	ug/L		07/22/16 10:08	07/27/16 14:03	1
Benzoic acid	ND		30	7.3	ug/L		07/22/16 10:08	07/27/16 14:03	1
Benzyl alcohol	ND		10	2.0	ug/L		07/22/16 10:08	07/27/16 14:03	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		07/22/16 10:08	07/27/16 14:03	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		07/22/16 10:08	07/27/16 14:03	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		07/22/16 10:08	07/27/16 14:03	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		07/22/16 10:08	07/27/16 14:03	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		07/22/16 10:08	07/27/16 14:03	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		07/22/16 10:08	07/27/16 14:03	1
4-Chloroaniline	ND		10	3.4	ug/L		07/22/16 10:08	07/27/16 14:03	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		07/22/16 10:08	07/27/16 14:03	1
2-Chloronaphthalene	ND		10	0.52	ug/L		07/22/16 10:08	07/27/16 14:03	1
2-Chlorophenol	ND		10	2.2	ug/L		07/22/16 10:08	07/27/16 14:03	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		07/22/16 10:08	07/27/16 14:03	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		07/22/16 10:08	07/27/16 14:03	1
Dibenzofuran	ND		10	0.52	ug/L		07/22/16 10:08	07/27/16 14:03	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		07/22/16 10:08	07/27/16 14:03	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		07/22/16 10:08	07/27/16 14:03	1
Diethyl phthalate	ND		10	0.70	ug/L		07/22/16 10:08	07/27/16 14:03	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		07/22/16 10:08	07/27/16 14:03	1
Dimethyl phthalate	ND		10	0.60	ug/L		07/22/16 10:08	07/27/16 14:03	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		07/22/16 10:08	07/27/16 14:03	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/22/16 10:08	07/27/16 14:03	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		07/22/16 10:08	07/27/16 14:03	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		07/22/16 10:08	07/27/16 14:03	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		07/22/16 10:08	07/27/16 14:03	1
Di-n-octyl phthalate	0.882	J	10	0.44	ug/L		07/22/16 10:08	07/27/16 14:03	1

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

Lab Sample ID: MB 400-315364/1-A
Matrix: Water
Analysis Batch: 315904

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 315364

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		10	1.0	ug/L		07/22/16 10:08	07/27/16 14:03	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		07/22/16 10:08	07/27/16 14:03	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/22/16 10:08	07/27/16 14:03	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		07/22/16 10:08	07/27/16 14:03	1
Hexachloroethane	ND		10	4.2	ug/L		07/22/16 10:08	07/27/16 14:03	1
Indene	ND		10	1.0	ug/L		07/22/16 10:08	07/27/16 14:03	1
Isophorone	ND		10	0.57	ug/L		07/22/16 10:08	07/27/16 14:03	1
2-Methylphenol	ND		10	1.8	ug/L		07/22/16 10:08	07/27/16 14:03	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		07/22/16 10:08	07/27/16 14:03	1
2-Nitroaniline	ND		10	2.2	ug/L		07/22/16 10:08	07/27/16 14:03	1
3-Nitroaniline	ND		10	1.8	ug/L		07/22/16 10:08	07/27/16 14:03	1
4-Nitroaniline	ND		10	2.5	ug/L		07/22/16 10:08	07/27/16 14:03	1
Nitrobenzene	ND		10	0.55	ug/L		07/22/16 10:08	07/27/16 14:03	1
2-Nitrophenol	ND		10	0.65	ug/L		07/22/16 10:08	07/27/16 14:03	1
4-Nitrophenol	ND		10	2.1	ug/L		07/22/16 10:08	07/27/16 14:03	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		07/22/16 10:08	07/27/16 14:03	1
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		07/22/16 10:08	07/27/16 14:03	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		07/22/16 10:08	07/27/16 14:03	1
Pentachlorophenol	ND		20	1.8	ug/L		07/22/16 10:08	07/27/16 14:03	1
Phenol	ND		10	2.6	ug/L		07/22/16 10:08	07/27/16 14:03	1
Pyridine	ND		10	3.2	ug/L		07/22/16 10:08	07/27/16 14:03	1
Quinoline	ND		10	6.0	ug/L		07/22/16 10:08	07/27/16 14:03	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		07/22/16 10:08	07/27/16 14:03	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		07/22/16 10:08	07/27/16 14:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*82*		*34 - 120*	*07/22/16 10:08*	*07/27/16 14:03*	*1*
2-Fluorophenol	*68*		*10 - 120*	*07/22/16 10:08*	*07/27/16 14:03*	*1*
Nitrobenzene-d5	*83*		*27 - 120*	*07/22/16 10:08*	*07/27/16 14:03*	*1*
Phenol-d5	*80*		*10 - 120*	*07/22/16 10:08*	*07/27/16 14:03*	*1*
Terphenyl-d14	*109*		*53 - 125*	*07/22/16 10:08*	*07/27/16 14:03*	*1*
2,4,6-Tribromophenol	*98*		*15 - 135*	*07/22/16 10:08*	*07/27/16 14:03*	*1*

Lab Sample ID: LCS 400-315364/2-A
Matrix: Water
Analysis Batch: 315904

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 315364

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aniline	30.0	4.64	J	ug/L		15	10 - 145
Benzoic acid	121	91.6		ug/L		76	10 - 120
Benzyl alcohol	30.0	24.4		ug/L		81	51 - 121
Bis(2-chloroethoxy)methane	30.0	22.9		ug/L		76	54 - 123
Bis(2-chloroethyl)ether	30.0	21.2		ug/L		71	47 - 120
bis (2-chloroisopropyl) ether	30.0	20.4		ug/L		68	20 - 142
Bis(2-ethylhexyl) phthalate	30.0	29.8		ug/L		99	62 - 140
4-Bromophenyl phenyl ether	30.0	31.7		ug/L		106	62 - 132
Butyl benzyl phthalate	30.0	29.2		ug/L		97	51 - 150

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

Lab Sample ID: LCS 400-315364/2-A
Matrix: Water
Analysis Batch: 315904

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 315364

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Chloroaniline	30.0	20.2		ug/L		67	32 - 128
4-Chloro-3-methylphenol	30.0	30.0		ug/L		100	47 - 135
2-Chloronaphthalene	30.0	25.6		ug/L		85	24 - 150
2-Chlorophenol	30.0	23.0		ug/L		77	45 - 120
4-Chlorophenyl phenyl ether	30.0	29.2		ug/L		97	61 - 133
Dibenz[a,h]acridine	30.0	31.8		ug/L		106	60 - 131
Dibenzofuran	30.0	27.8		ug/L		93	62 - 124
3,3'-Dichlorobenzidine	40.0	32.3		ug/L		81	16 - 167
2,4-Dichlorophenol	30.0	27.2		ug/L		91	52 - 125
Diethyl phthalate	30.0	30.4		ug/L		101	55 - 140
2,4-Dimethylphenol	30.0	22.3		ug/L		74	52 - 121
Dimethyl phthalate	30.0	28.6		ug/L		95	50 - 133
Di-n-butyl phthalate	30.0	28.6		ug/L		95	59 - 144
4,6-Dinitro-ortho-cresol	60.0	61.1		ug/L		102	46 - 136
2,4-Dinitrophenol	101	104		ug/L		103	22 - 146
2,4-Dinitrotoluene	30.0	29.2		ug/L		97	54 - 141
2,6-Dinitrotoluene	30.0	27.9		ug/L		93	61 - 130
Di-n-octyl phthalate	30.0	29.5		ug/L		98	55 - 140
1,4-Dioxane	30.0	16.3		ug/L		54	10 - 130
1,2-Diphenylhydrazine (as Azobenzene)	30.0	25.3		ug/L		84	55 - 139
Hexachlorobenzene	30.0	33.5		ug/L		112	60 - 138
Hexachlorocyclopentadiene	30.0	15.9	J	ug/L		53	1 - 139
Hexachloroethane	30.0	20.3		ug/L		68	46 - 121
Indene	30.0	22.4		ug/L		75	17 - 141
Isophorone	30.0	24.3		ug/L		81	57 - 122
2-Methylphenol	30.0	24.4		ug/L		81	38 - 121
3 & 4 Methylphenol	30.0	23.2		ug/L		77	43 - 126
2-Nitroaniline	30.0	31.0		ug/L		103	52 - 135
3-Nitroaniline	30.0	23.4		ug/L		78	51 - 128
4-Nitroaniline	30.0	22.1		ug/L		74	38 - 141
Nitrobenzene	30.0	23.2		ug/L		77	52 - 128
2-Nitrophenol	30.0	25.1		ug/L		84	47 - 129
4-Nitrophenol	60.0	47.8		ug/L		80	34 - 137
N-Nitrosodimethylamine	30.0	20.7		ug/L		69	21 - 134
N-Nitrosodi-n-propylamine	30.0	22.0		ug/L		73	41 - 143
N-Nitrosodiphenylamine	30.0	27.2		ug/L		91	10 - 185
Pentachlorophenol	60.0	54.5		ug/L		91	38 - 138
Phenol	30.0	23.3		ug/L		78	37 - 120
Pyridine	30.0	ND	*	ug/L		0.6	10 - 127
Quinoline	30.0	19.2		ug/L		64	10 - 164
2,4,5-Trichlorophenol	30.0	29.1		ug/L		97	53 - 130
2,4,6-Trichlorophenol	30.0	26.2		ug/L		87	52 - 131

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*76*		*34 - 120*
2-Fluorophenol	*71*		*10 - 120*
Nitrobenzene-d5	*74*		*27 - 120*

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

Lab Sample ID: LCS 400-315364/2-A
Matrix: Water
Analysis Batch: 315904

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 315364

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Phenol-d5	75		10 - 120
Terphenyl-d14	104		53 - 125
2,4,6-Tribromophenol	112		15 - 135

Lab Sample ID: LCS 400-315364/4-A
Matrix: Water
Analysis Batch: 315904

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 315364

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzenethiol	100	5.42	J *	ug/L		5	20 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	86		34 - 120
2-Fluorophenol	70		10 - 120
Nitrobenzene-d5	87		27 - 120
Phenol-d5	82		10 - 120
Terphenyl-d14	101		53 - 125
2,4,6-Tribromophenol	102		15 - 135

Lab Sample ID: LCSD 400-315364/3-A
Matrix: Water
Analysis Batch: 315904

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 315364

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aniline	30.0	ND	*	ug/L		9	10 - 145	48	30
Benzoic acid	121	99.7		ug/L		83	10 - 120	8	30
Benzyl alcohol	30.0	26.3		ug/L		88	51 - 121	7	30
Bis(2-chloroethoxy)methane	30.0	25.0		ug/L		83	54 - 123	9	30
Bis(2-chloroethyl)ether	30.0	22.7		ug/L		76	47 - 120	7	30
bis (2-chloroisopropyl) ether	30.0	21.9		ug/L		73	20 - 142	7	30
Bis(2-ethylhexyl) phthalate	30.0	29.0		ug/L		97	62 - 140	3	30
4-Bromophenyl phenyl ether	30.0	31.8		ug/L		106	62 - 132	0	30
Butyl benzyl phthalate	30.0	28.4		ug/L		95	51 - 150	3	30
4-Chloroaniline	30.0	19.0		ug/L		63	32 - 128	6	30
4-Chloro-3-methylphenol	30.0	30.9		ug/L		103	47 - 135	3	30
2-Chloronaphthalene	30.0	27.5		ug/L		92	24 - 150	7	30
2-Chlorophenol	30.0	25.2		ug/L		84	45 - 120	9	30
4-Chlorophenyl phenyl ether	30.0	30.5		ug/L		102	61 - 133	4	30
Dibenz[a,h]acridine	30.0	30.9		ug/L		103	60 - 131	3	30
Dibenzofuran	30.0	28.8		ug/L		96	62 - 124	4	30
3,3'-Dichlorobenzidine	40.0	32.4		ug/L		81	16 - 167	0	30
2,4-Dichlorophenol	30.0	29.2		ug/L		97	52 - 125	7	30
Diethyl phthalate	30.0	30.0		ug/L		100	55 - 140	1	30
2,4-Dimethylphenol	30.0	21.8		ug/L		73	52 - 121	2	30
Dimethyl phthalate	30.0	29.1		ug/L		97	50 - 133	2	30
Di-n-butyl phthalate	30.0	28.1		ug/L		94	59 - 144	2	30
4,6-Dinitro-ortho-cresol	60.0	63.2		ug/L		105	46 - 136	4	30
2,4-Dinitrophenol	101	113		ug/L		112	22 - 146	8	30

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

Lab Sample ID: LCSD 400-315364/3-A
Matrix: Water
Analysis Batch: 315904

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 315364

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-Dinitrotoluene	30.0	29.7		ug/L		99	54 - 141	2	30
2,6-Dinitrotoluene	30.0	29.0		ug/L		97	61 - 130	4	30
Di-n-octyl phthalate	30.0	29.4		ug/L		98	55 - 140	0	30
1,4-Dioxane	30.0	18.0		ug/L		60	10 - 130	10	30
1,2-Diphenylhydrazine (as Azobenzene)	30.0	25.5		ug/L		85	55 - 139	1	30
Hexachlorobenzene	30.0	34.1		ug/L		114	60 - 138	2	30
Hexachlorocyclopentadiene	30.0	18.0	J	ug/L		60	1 - 139	12	30
Hexachloroethane	30.0	22.5		ug/L		75	46 - 121	10	30
Indene	30.0	24.5		ug/L		82	17 - 141	9	30
Isophorone	30.0	26.0		ug/L		87	57 - 122	7	30
2-Methylphenol	30.0	26.0		ug/L		87	38 - 121	6	30
3 & 4 Methylphenol	30.0	24.1		ug/L		80	43 - 126	4	30
2-Nitroaniline	30.0	32.2		ug/L		107	52 - 135	4	30
3-Nitroaniline	30.0	23.8		ug/L		79	51 - 128	2	30
4-Nitroaniline	30.0	23.5		ug/L		78	38 - 141	6	30
Nitrobenzene	30.0	25.4		ug/L		85	52 - 128	9	30
2-Nitrophenol	30.0	27.7		ug/L		92	47 - 129	10	30
4-Nitrophenol	60.0	49.9		ug/L		83	34 - 137	4	30
N-Nitrosodimethylamine	30.0	22.3		ug/L		74	21 - 134	8	30
N-Nitrosodi-n-propylamine	30.0	23.0		ug/L		77	41 - 143	5	30
N-Nitrosodiphenylamine	30.0	26.8		ug/L		89	10 - 185	1	30
Pentachlorophenol	60.0	54.8		ug/L		91	38 - 138	1	30
Phenol	30.0	25.5		ug/L		85	37 - 120	9	30
Pyridine	30.0	ND	*	ug/L		0.4	10 - 127	28	30
Quinoline	30.0	12.9	*	ug/L		43	10 - 164	39	30
2,4,5-Trichlorophenol	30.0	30.8		ug/L		103	53 - 130	6	30
2,4,6-Trichlorophenol	30.0	27.8		ug/L		93	52 - 131	6	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*81*		*34 - 120*
2-Fluorophenol	*78*		*10 - 120*
Nitrobenzene-d5	*81*		*27 - 120*
Phenol-d5	*81*		*10 - 120*
Terphenyl-d14	*100*		*53 - 125*
2,4,6-Tribromophenol	*116*		*15 - 135*

Lab Sample ID: LCSD 400-315364/5-A
Matrix: Water
Analysis Batch: 315904

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 315364

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzenethiol	100	1.97	J *	ug/L		2	20 - 150	93	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*85*		*34 - 120*
2-Fluorophenol	*78*		*10 - 120*
Nitrobenzene-d5	*85*		*27 - 120*

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

Lab Sample ID: LCSD 400-315364/5-A
Matrix: Water
Analysis Batch: 315904

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 315364

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Phenol-d5	*85*		*10 - 120*
Terphenyl-d14	*111*		*53 - 125*
2,4,6-Tribromophenol	*103*		*15 - 135*

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

Lab Sample ID: MB 400-315364/1-A
Matrix: Water
Analysis Batch: 315719

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 315364

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.020	ug/L		07/22/16 10:08	07/26/16 12:50	1
Acenaphthylene	ND		0.20	0.020	ug/L		07/22/16 10:08	07/26/16 12:50	1
Anthracene	ND		0.20	0.020	ug/L		07/22/16 10:08	07/26/16 12:50	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/22/16 10:08	07/26/16 12:50	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		07/22/16 10:08	07/26/16 12:50	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		07/22/16 10:08	07/26/16 12:50	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		07/22/16 10:08	07/26/16 12:50	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/22/16 10:08	07/26/16 12:50	1
Chrysene	ND		0.20	0.040	ug/L		07/22/16 10:08	07/26/16 12:50	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		07/22/16 10:08	07/26/16 12:50	1
Fluoranthene	ND		0.20	0.020	ug/L		07/22/16 10:08	07/26/16 12:50	1
Fluorene	ND		0.20	0.021	ug/L		07/22/16 10:08	07/26/16 12:50	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		07/22/16 10:08	07/26/16 12:50	1
Phenanthrene	ND		0.20	0.020	ug/L		07/22/16 10:08	07/26/16 12:50	1
Pyrene	ND		0.20	0.020	ug/L		07/22/16 10:08	07/26/16 12:50	1
1-Methylnaphthalene	ND		0.20	0.020	ug/L		07/22/16 10:08	07/26/16 12:50	1
2-Methylnaphthalene	ND		0.20	0.020	ug/L		07/22/16 10:08	07/26/16 12:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*100*		*33 - 138*	*07/22/16 10:08*	*07/26/16 12:50*	*1*
2-Fluorobiphenyl	*64*		*15 - 122*	*07/22/16 10:08*	*07/26/16 12:50*	*1*
Nitrobenzene-d5	*58*		*19 - 130*	*07/22/16 10:08*	*07/26/16 12:50*	*1*

Lab Sample ID: LCS 400-315364/2-A
Matrix: Water
Analysis Batch: 315643

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 315364

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	30.0	23.6		ug/L		79	41 - 120
Acenaphthylene	30.0	23.5		ug/L		78	44 - 120
Anthracene	30.0	26.5		ug/L		88	49 - 120
Benzo[a]anthracene	30.0	27.5		ug/L		92	61 - 135
Benzo[a]pyrene	30.0	27.5		ug/L		92	52 - 120
Benzo[b]fluoranthene	30.0	27.4		ug/L		91	53 - 134
Benzo[g,h,i]perylene	30.0	28.9		ug/L		96	47 - 133
Benzo[k]fluoranthene	30.0	24.3		ug/L		81	57 - 134

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

Lab Sample ID: LCS 400-315364/2-A
Matrix: Water
Analysis Batch: 315643

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 315364

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chrysene	30.0	27.2		ug/L		91	55 - 122
Dibenz(a,h)anthracene	30.0	27.9		ug/L		93	48 - 146
Fluoranthene	30.0	31.6		ug/L		105	54 - 128
Fluorene	30.0	27.0		ug/L		90	45 - 125
Indeno[1,2,3-cd]pyrene	30.0	28.1		ug/L		94	43 - 142
Phenanthrene	30.0	21.2		ug/L		71	48 - 120
Pyrene	30.0	23.5		ug/L		78	48 - 132
1-Methylnaphthalene	30.0	19.4		ug/L		65	41 - 120
2-Methylnaphthalene	30.0	18.3		ug/L		61	32 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Terphenyl-d14	*76*		*33 - 138*
2-Fluorobiphenyl	*78*		*15 - 122*
Nitrobenzene-d5	*58*		*19 - 130*

Lab Sample ID: LCSD 400-315364/3-A
Matrix: Water
Analysis Batch: 315643

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 315364

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	30.0	24.4		ug/L		81	41 - 120	3	56
Acenaphthylene	30.0	24.1		ug/L		80	44 - 120	3	56
Anthracene	30.0	27.1		ug/L		90	49 - 120	2	51
Benzo[a]anthracene	30.0	27.7		ug/L		92	61 - 135	1	49
Benzo[a]pyrene	30.0	27.4		ug/L		91	52 - 120	1	50
Benzo[b]fluoranthene	30.0	27.8		ug/L		93	53 - 134	1	54
Benzo[g,h,i]perylene	30.0	29.8		ug/L		99	47 - 133	3	50
Benzo[k]fluoranthene	30.0	23.9		ug/L		80	57 - 134	1	52
Chrysene	30.0	27.5		ug/L		92	55 - 122	1	50
Dibenz(a,h)anthracene	30.0	28.7		ug/L		96	48 - 146	3	50
Fluoranthene	30.0	30.9		ug/L		103	54 - 128	2	52
Fluorene	30.0	26.9		ug/L		90	45 - 125	1	56
Indeno[1,2,3-cd]pyrene	30.0	28.7		ug/L		96	43 - 142	2	51
Phenanthrene	30.0	21.8		ug/L		73	48 - 120	3	56
Pyrene	30.0	23.3		ug/L		78	48 - 132	1	52
1-Methylnaphthalene	30.0	20.9		ug/L		70	41 - 120	7	55
2-Methylnaphthalene	30.0	19.6		ug/L		65	32 - 124	7	57

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Terphenyl-d14	*78*		*33 - 138*
2-Fluorobiphenyl	*81*		*15 - 122*
Nitrobenzene-d5	*58*		*19 - 130*

Method: 8011 - EDB and DBCP in Water by Microextraction

Lab Sample ID: MB 400-315512/1-A
Matrix: Water
Analysis Batch: 315812

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 315512

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		07/24/16 10:51	07/25/16 09:35	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		07/24/16 10:51	07/25/16 09:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*51 - 149*	*07/24/16 10:51*	*07/25/16 09:35*	*1*

Lab Sample ID: LCS 400-315512/2-A
Matrix: Water
Analysis Batch: 315812

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 315512

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	0.100	0.0973		ug/L		97	60 - 140
1,2-Dibromoethane	0.100	0.101		ug/L		101	60 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*51 - 149*

Lab Sample ID: LCSD 400-315512/3-A
Matrix: Water
Analysis Batch: 315812

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 315512

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane	0.100	0.104		ug/L		104	60 - 140	7	30
1,2-Dibromoethane	0.100	0.0841		ug/L		84	60 - 140	18	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*96*		*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 FDG	☐ PIPELINE	☐ RETAIL
☐ CHEMICALS	☐ CONSULTANT	☐ LUBES
☐ TRANSPORTATION	☑ OTHER _ENV. SERVICES_____	

Print Bill To Contact Name: Bob Billman

PlaNet Site or Project ID: 25278

☐ CHECK IF NO INCIDENT # APPLIES

DATE: 15 July 2016

PAGE: 1 of 1

PO #: 60477387 - 1.03.003 / 1.03.0033

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 Number: Roxana Quarterly GW 60477387 - 1.03.003 / 1.03.0033

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

TELEPHONE: 314-429-0100

FAX: 314-429-0462

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

SAMPLER NAME(S) (Print): J. Peters / C. Williams

LAB USE ONLY

400-124581 COC

TURNAROUND TIME (BUSINESS DAYS):

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

REQUESTED ANALYSIS

UNIT COST 60477387 - 1.03.0033

NON-UNIT COST 60477387 - 1.03.003

☐ LA - RWQCB REPORT FORMAT

DELIVERABLES: ☑ 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

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

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	Container PID Readings or Laboratory Notes
	TB-ROX-071516W-8011	7/15/16	0000	water	2					2	X				4.3°C
	TB-ROX-071516W-8260		0000		2					2			X		5.6°C ~~IR-6~~ IR-5 0907/16
	P58-ROX-071516		1030		4			2		6	2	1	2	1	
	P93D-ROX-071516		1330		4			2		6	2	1	2	1	
	P93B-ROX-071516	↓	1430	↓	4			2		6	2	1	2	1	

15 July 2016

Relinquished by: (Signature) — Date: 15 July 2016 — Time: 1730

Received by: (Signature) — 7/16/16 0914

Relinquished by: (Signature) — Date: — Time:

Received by: (Signature)

Custody seals: Test America
784706 | 784709
784707 [redacted]
784708

Ref: S400-53959 Dep:

Date: 18Mar16 Wgt: 10.00 LBS

DV: [redacted]

SHIPPING: 0.00
SPECIAL: 0.00
HANDLING: 0.00
0.00 TOTAL: 0.00

Ref: S400-53959 Dep:

Date: 18Mar16 Wgt: 10.00 LBS

DV:

SHIPPING: 0.00
SPECIAL: 0.00
HANDLING: 0.00
0.00 TOTAL: 0.00

Svcs: PRIORITY OVERNIGHT
TRCK: 6546 8383 9295

Login Sample Receipt Checklist

Client: AECOM Technical Services Inc.

Job Number: 400-124581-1
SDG Number: 60477387 - 1.03.003/1.03.0033

Login Number: 124581
List Number: 1
Creator: Benforado, Jessica L

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	4.3°C, 5.6°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 (excluding tests with immediate HTs)	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 - 3Q16

TestAmerica Job ID: 400-124581-1
SDG: 60477387 - 1.03.003/1.03.0033

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	06-30-17
Arizona	State Program	9	AZ0710	01-11-17
Arkansas DEQ	State Program	6	88-0689	09-01-16
California	ELAP	9	2510	03-31-18
Florida	NELAP	4	E81010	06-30-17
Georgia	State Program	4	N/A	06-30-17
Illinois	NELAP	5	200041	10-09-16
Iowa	State Program	7	367	07-31-16 *
Kansas	NELAP	7	E-10253	10-31-16
Kentucky (UST)	State Program	4	53	06-30-17
Kentucky (WW)	State Program	4	98030	12-31-16
Louisiana	NELAP	6	30976	06-30-17
Maryland	State Program	3	233	09-30-17
Massachusetts	State Program	1	M-FL094	06-30-16 *
Michigan	State Program	5	9912	05-06-17
New Jersey	NELAP	2	FL006	06-30-17
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	06-30-17
Texas	NELAP	6	T104704286-15-9	09-30-16
USDA	Federal		P330-16-00172	05-24-19
Virginia	NELAP	3	460166	06-14-17
Washington	State Program	10	C915	05-15-17
West Virginia DEP	State Program	3	136	08-31-16

* Certification renewal pending - certification considered valid.

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: 400-124585-1
TestAmerica SDG: 60477387 - 1.03.003/1.03.0033
Client Project/Site: ROXANA QUARTERLY GW - 3Q16
Revision: 1

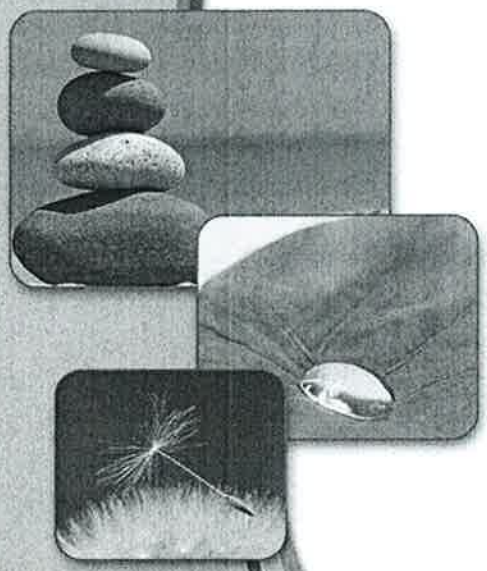
For:
AECOM Technical Services Inc.
1001 Highlands Plaza Dr. West
St. Louis, Missouri 63110

Attn: Mrs. Elizabeth Kunkel

Carolyn W. Hooper

Authorized for release by:
8/5/2016 11:58:08 AM

Carolyn Hooper, Project Manager I
(850)471-6226
carolyn.hooper@testamericainc.com



LINKS

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www.testamericainc.com

Reviewed 8/22/2016 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: 400-124585-1

Laboratory: TestAmerica Pensacola

Narrative

Job Narrative
400-124585-1

Receipt
The samples were received on 7/16/2016 9:14 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 4.3°C and 5.6°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-071516R-8260 (400-124585-2), ROST4PZC-ROX-071516 (400-124585-3), MW22-ROX-071516-EB (400-124585-4), MW22-ROX-071516 (400-124585-5) and MW22-ROX-071516-DUP (400-124585-6). The requested target analyte list includes 2-chloroethyl vinyl ether, Acrolein and Acrylonitrile, which are acid-labile compounds that degrade in an acidic medium.

Methods 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-315486 were outside control limits for 2-Chloroethyl vinyl ether due to the acidic nature of the parent sample.

Method 8260B: The continuing calibration verification (CCV) associated with batch 400-315486 recovered above the upper control limit for 2-chloroethyl vinyl ether. The samples associated with this CCV were non-detects for the affected analyte therefore, the data have been reported.

Method 8260B: The laboratory control sample (LCS) for analytical batch 400-315486 recovered outside control limits for one analyte. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

Method 8260B: Sample MW22-ROX-071516-EB (400-124585-4) contained Acetone above the reporting limit. Reanalysis was performed with concurring results.

Method 8260B: The RPD for the matrix spike / matrix spike duplicate (MS/MSD) for 2-Chloroethyl vinyl ether was not calculable for analytical batch 400-315486 because the recoveries were below the reporting limit due to the acidic nature of the parent sample.

GC/MS Semi VOA
Method 8270D: The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for preparation batch 400-315364 and analytical batch 400-315904 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.

Method 8270D: The following analytes recovered outside control limits for the LCS/LCSD associated with preparation batch 400-315364 and analytical batch 400-315904: Aniline and Pyridine. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.

Method 8270D: The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for preparation batch 400-315364 and analytical batch 400-315904 recovered outside control limits for the following analyte: Quinoline. Quinoline has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed.

Method 8270D: The continuing calibration verification (CCV) associated with batch 400-315904 recovered above the upper control limit for 4-Chloro-3-methylphenol, 4-Bromophenyl phenyl ether and Hexachlorobenzene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: ROST4PZC-ROX-071516 (400-124585-3), MW22-ROX-071516-EB (400-124585-4), MW22-ROX-071516 (400-124585-5) and MW22-ROX-071516-DUP (400-124585-6).

Method 8270D: Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base 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: ROST4PZC-ROX-071516 (400-124585-3), MW22-ROX-071516 (400-124585-5) and MW22-ROX-071516-DUP (400-124585-6). These results have been reported and qualified.

Job ID: 400-124585-1 (Continued)

Laboratory: TestAmerica Pensacola (Continued)

Method 8270D: The method blank for preparation batch 400-315364 and analytical batch 400-315904 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.

Method 8270D LL: 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 samples contained an allowable number of surrogate compounds outside limits: ROST4PZC-ROX-071516 (400-124585-3), MW22-ROX-071516-EB (400-124585-4), MW22-ROX-071516 (400-124585-5) and MW22-ROX-071516-DUP (400-124585-6). These results have been reported and qualified.

Revision 1
This report has been revised due to a false positive being reported on sample 124585-3 (ROST4PZC-ROX-071516) for 4,6-Dinitro-ortho-cresol. The result should have been "ND" and has been corrected.

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

Sample Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 3Q16

TestAmerica Job ID: 400-124585-1
SDG: 60477387 - 1.03.003/1.03.0033

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-124585-1	TB-ROX-071516R-8011	Water	07/15/16 00:00	07/16/16 09:14
400-124585-2	TB-ROX-071516R-8260	Water	07/15/16 00:00	07/16/16 09:14
400-124585-3	ROST4PZC-ROX-071516	Water	07/15/16 09:30	07/16/16 09:14
400-124585-4	MW22-ROX-071516-EB	Water	07/15/16 10:05	07/16/16 09:14
400-124585-5	MW22-ROX-071516	Water	07/15/16 10:55	07/16/16 09:14
400-124585-6	MW22-ROX-071516-DUP	Water	07/15/16 10:55	07/16/16 09:14

Detection Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 3Q16

TestAmerica Job ID: 400-124585-1
SDG: 60477387 - 1.03.003/1.03.0033

Client Sample ID: TB-ROX-071516R-8011 — Lab Sample ID: 400-124585-1

No Detections.

Client Sample ID: TB-ROX-071516R-8260 — Lab Sample ID: 400-124585-2

No Detections.

Client Sample ID: ROST4PZC-ROX-071516 — Lab Sample ID: 400-124585-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	44		2.0	0.76	ug/L	2		8260B	Total/NA
Ethylbenzene	47		2.0	1.0	ug/L	2		8260B	Total/NA
Isopropylbenzene	8.9		2.0	1.1	ug/L	2		8260B	Total/NA
m-Xylene & p-Xylene	270		10	3.2	ug/L	2		8260B	Total/NA
Naphthalene	100		2.0	2.0	ug/L	2		8260B	Total/NA
N-Propylbenzene	12		2.0	1.4	ug/L	2		8260B	Total/NA
o-Xylene	6.5	J	10	1.2	ug/L	2		8260B	Total/NA
Toluene	29		2.0	1.4	ug/L	2		8260B	Total/NA
1,2,4-Trimethylbenzene	65		2.0	1.6	ug/L	2		8260B	Total/NA
1,3,5-Trimethylbenzene	18		2.0	1.1	ug/L	2		8260B	Total/NA
Xylenes, Total	280		20	3.2	ug/L	2		8260B	Total/NA
Acenaphthene	0.25		0.20	0.020	ug/L	1		8270D LL	Total/NA
Acenaphthylene	0.041	J	0.20	0.020	ug/L	1		8270D LL	Total/NA
Fluorene	0.19	J	0.20	0.021	ug/L	1		8270D LL	Total/NA
Phenanthrene	0.13	J	0.20	0.020	ug/L	1		8270D LL	Total/NA
1-Methylnaphthalene	3.5		0.20	0.020	ug/L	1		8270D LL	Total/NA
Bis(2-ethylhexyl) phthalate	2.7	J	10	2.3	ug/L	1		8270D	Total/NA
Butyl benzyl phthalate	0.84	J	10	0.69	ug/L	1		8270D	Total/NA
Diethyl phthalate	1.4	J	10	0.70	ug/L	1		8270D	Total/NA
2,4-Dimethylphenol	13		10	3.5	ug/L	1		8270D	Total/NA
Di-n-octyl phthalate	~~0.81~~	J B	10	0.44	ug/L	1		8270D	Total/NA

Client Sample ID: MW22-ROX-071516-EB — Lab Sample ID: 400-124585-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	26		25	10	ug/L	1		8260B	Total/NA
Diethyl phthalate	4.9	J	10	0.70	ug/L	1		8270D	Total/NA
Di-n-octyl phthalate	0.78	J B	10	0.44	ug/L	1		8270D	Total/NA

Client Sample ID: MW22-ROX-071516 — Lab Sample ID: 400-124585-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	61		5.0	1.9	ug/L	5		8260B	Total/NA
Ethylbenzene	410		5.0	2.5	ug/L	5		8260B	Total/NA
Isopropylbenzene	24		5.0	2.7	ug/L	5		8260B	Total/NA
m-Xylene & p-Xylene	560		25	8.0	ug/L	5		8260B	Total/NA
Naphthalene	75		5.0	5.0	ug/L	5		8260B	Total/NA
N-Propylbenzene	45		5.0	3.5	ug/L	5		8260B	Total/NA
o-Xylene	310		25	3.0	ug/L	5		8260B	Total/NA
Toluene	51		5.0	3.5	ug/L	5		8260B	Total/NA
1,2,4-Trimethylbenzene	220		5.0	4.1	ug/L	5		8260B	Total/NA
1,3,5-Trimethylbenzene	64		5.0	2.8	ug/L	5		8260B	Total/NA
Xylenes, Total	880		50	8.0	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 - 3Q16

TestAmerica Job ID: 400-124585-1
SDG: 60477387 - 1.03.003/1.03.0033

Client Sample ID: MW22-ROX-071516 (Continued) — Lab Sample ID: 400-124585-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1-Methylnaphthalene	3.2	J	0.20	0.020	ug/L	1		8270D LL	Total/NA
2-Methylnaphthalene	4.8		0.20	0.020	ug/L	1		8270D LL	Total/NA
Diethyl phthalate	5.5	J	10	0.70	ug/L	1		8270D	Total/NA
2,4-Dimethylphenol	7.1	J	10	3.5	ug/L	1		8270D	Total/NA
Di-n-octyl phthalate	~~0.72~~	J B	10	0.44	ug/L	1		8270D	Total/NA
Indene	4.3	J	10	1.0	ug/L	1		8270D	Total/NA

Client Sample ID: MW22-ROX-071516-DUP — Lab Sample ID: 400-124585-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	62		5.0	1.9	ug/L	5		8260B	Total/NA
Ethylbenzene	410		5.0	2.5	ug/L	5		8260B	Total/NA
Isopropylbenzene	25		5.0	2.7	ug/L	5		8260B	Total/NA
m-Xylene & p-Xylene	570		25	8.0	ug/L	5		8260B	Total/NA
Naphthalene	78		5.0	5.0	ug/L	5		8260B	Total/NA
N-Propylbenzene	42		5.0	3.5	ug/L	5		8260B	Total/NA
o-Xylene	310		25	3.0	ug/L	5		8260B	Total/NA
Toluene	51		5.0	3.5	ug/L	5		8260B	Total/NA
1,2,4-Trimethylbenzene	210		5.0	4.1	ug/L	5		8260B	Total/NA
1,3,5-Trimethylbenzene	63		5.0	2.8	ug/L	5		8260B	Total/NA
Xylenes, Total	880		50	8.0	ug/L	5		8260B	Total/NA
1-Methylnaphthalene	4.1	J	0.20	0.020	ug/L	1		8270D LL	Total/NA
2-Methylnaphthalene	6.0		0.20	0.020	ug/L	1		8270D LL	Total/NA
Di-n-octyl phthalate	~~0.86~~	J B	10	0.44	ug/L	1		8270D	Total/NA
Indene	5.0	J	10	1.0	ug/L	1		8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: TB-ROX-071516R-8011

Date Collected: 07/15/16 00:00
Date Received: 07/16/16 09:14

Lab Sample ID: 400-124585-1

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		07/24/16 10:51	07/25/16 18:04	1
1,2-Dibromoethane	ND		0.020	0.0051	ug/L		07/24/16 10:51	07/25/16 18:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*51 - 149*	*07/24/16 10:51*	*07/25/16 18:04*	*1*

Client Sample ID: TB-ROX-071516R-8260

Date Collected: 07/15/16 00:00
Date Received: 07/16/16 09:14

Lab Sample ID: 400-124585-2

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			07/23/16 20:59	1
Acrolein	ND		20	10	ug/L			07/23/16 20:59	1
Acrylonitrile	ND		10	2.8	ug/L			07/23/16 20:59	1
Benzene	ND		1.0	0.38	ug/L			07/23/16 20:59	1
Bromobenzene	ND		1.0	0.54	ug/L			07/23/16 20:59	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/23/16 20:59	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/23/16 20:59	1
Bromoform	ND		5.0	0.71	ug/L			07/23/16 20:59	1
Bromomethane	ND		1.0	0.98	ug/L			07/23/16 20:59	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/23/16 20:59	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/23/16 20:59	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			07/23/16 20:59	1
Chlorobenzene	ND		1.0	0.50	ug/L			07/23/16 20:59	1
Dibromochloromethane	ND		1.0	0.50	ug/L			07/23/16 20:59	1
Chloroethane	ND		1.0	0.76	ug/L			07/23/16 20:59	1
2-Chloroethyl vinyl ether	ND	*	5.0	2.0	ug/L			07/23/16 20:59	1
Chloroform	ND		1.0	0.60	ug/L			07/23/16 20:59	1
1-Chlorohexane	ND		1.0	0.70	ug/L			07/23/16 20:59	1
Chloromethane	ND		1.0	0.83	ug/L			07/23/16 20:59	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/23/16 20:59	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/23/16 20:59	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/23/16 20:59	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/23/16 20:59	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/23/16 20:59	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/23/16 20:59	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/23/16 20:59	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			07/23/16 20:59	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/23/16 20:59	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/23/16 20:59	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/23/16 20:59	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/23/16 20:59	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			07/23/16 20:59	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/23/16 20:59	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/23/16 20:59	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/23/16 20:59	1
2-Hexanone	ND		25	3.1	ug/L			07/23/16 20:59	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/23/16 20:59	1
Methylene bromide	ND		5.0	0.59	ug/L			07/23/16 20:59	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/23/16 20:59	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/23/16 20:59	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			07/23/16 20:59	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			07/23/16 20:59	1
Naphthalene	ND		1.0	1.0	ug/L			07/23/16 20:59	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/23/16 20:59	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/23/16 20:59	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/23/16 20:59	1
o-Xylene	ND		5.0	0.60	ug/L			07/23/16 20:59	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/23/16 20:59	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/23/16 20:59	1

Client Sample ID: TB-ROX-071516R-8260

Date Collected: 07/15/16 00:00
Date Received: 07/16/16 09:14

Lab Sample ID: 400-124585-2

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			07/23/16 20:59	1
Styrene	ND		1.0	1.0	ug/L			07/23/16 20:59	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/23/16 20:59	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			07/23/16 20:59	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/23/16 20:59	1
Tetrachloroethene	ND		1.0	0.58	ug/L			07/23/16 20:59	1
Toluene	ND		1.0	0.70	ug/L			07/23/16 20:59	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/23/16 20:59	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/23/16 20:59	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			07/23/16 20:59	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/23/16 20:59	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			07/23/16 20:59	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			07/23/16 20:59	1
Trichloroethene	ND		1.0	0.50	ug/L			07/23/16 20:59	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			07/23/16 20:59	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/23/16 20:59	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/23/16 20:59	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/23/16 20:59	1
Vinyl acetate	ND		25	2.0	ug/L			07/23/16 20:59	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/23/16 20:59	1
Xylenes, Total	ND		10	1.6	ug/L			07/23/16 20:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*78 - 118*		*07/23/16 20:59*	*1*
Dibromofluoromethane	*105*		*81 - 121*		*07/23/16 20:59*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*07/23/16 20:59*	*1*

Client Sample ID: ROST4PZC-ROX-071516

Date Collected: 07/15/16 09:30
Date Received: 07/16/16 09:14

Lab Sample ID: 400-124585-3

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			07/23/16 23:35	2
Acrolein	ND		40	20	ug/L			07/23/16 23:35	2
Acrylonitrile	ND		20	5.6	ug/L			07/23/16 23:35	2
Benzene	**44**		2.0	0.76	ug/L			07/23/16 23:35	2
Bromobenzene	ND		2.0	1.1	ug/L			07/23/16 23:35	2
Bromochloromethane	ND		2.0	1.0	ug/L			07/23/16 23:35	2
Bromodichloromethane	ND		2.0	1.0	ug/L			07/23/16 23:35	2
Bromoform	ND		10	1.4	ug/L			07/23/16 23:35	2
Bromomethane	ND		2.0	2.0	ug/L			07/23/16 23:35	2
2-Butanone (MEK)	ND		50	5.2	ug/L			07/23/16 23:35	2
Carbon disulfide	ND		2.0	1.0	ug/L			07/23/16 23:35	2
Carbon tetrachloride	ND		2.0	1.0	ug/L			07/23/16 23:35	2
Chlorobenzene	ND		2.0	1.0	ug/L			07/23/16 23:35	2
Dibromochloromethane	ND		2.0	1.0	ug/L			07/23/16 23:35	2
Chloroethane	ND		2.0	1.5	ug/L			07/23/16 23:35	2
2-Chloroethyl vinyl ether	ND	*	10	4.0	ug/L			07/23/16 23:35	2
Chloroform	ND		2.0	1.2	ug/L			07/23/16 23:35	2
1-Chlorohexane	ND		2.0	1.4	ug/L			07/23/16 23:35	2
Chloromethane	ND		2.0	1.7	ug/L			07/23/16 23:35	2
cis-1,2-Dichloroethene	ND		2.0	1.0	ug/L			07/23/16 23:35	2
cis-1,3-Dichloropropene	ND		10	1.0	ug/L			07/23/16 23:35	2
1,2-Dichlorobenzene	ND		2.0	1.0	ug/L			07/23/16 23:35	2
1,3-Dichlorobenzene	ND		2.0	1.1	ug/L			07/23/16 23:35	2
1,4-Dichlorobenzene	ND		2.0	1.3	ug/L			07/23/16 23:35	2
Dichlorodifluoromethane	ND		2.0	1.7	ug/L			07/23/16 23:35	2
1,1-Dichloroethane	ND		2.0	1.0	ug/L			07/23/16 23:35	2
1,2-Dichloroethane	ND		2.0	1.0	ug/L			07/23/16 23:35	2
1,1-Dichloroethene	ND		2.0	1.0	ug/L			07/23/16 23:35	2
1,2-Dichloropropane	ND		2.0	1.0	ug/L			07/23/16 23:35	2
1,3-Dichloropropane	ND		2.0	1.0	ug/L			07/23/16 23:35	2
2,2-Dichloropropane	ND		2.0	1.0	ug/L			07/23/16 23:35	2
1,1-Dichloropropene	ND		2.0	1.0	ug/L			07/23/16 23:35	2
Ethylbenzene	**47**		2.0	1.0	ug/L			07/23/16 23:35	2
Ethyl methacrylate	ND		2.0	1.2	ug/L			07/23/16 23:35	2
Hexachlorobutadiene	ND		10	1.8	ug/L			07/23/16 23:35	2
2-Hexanone	ND		50	6.2	ug/L			07/23/16 23:35	2
Isopropylbenzene	**8.9**		2.0	1.1	ug/L			07/23/16 23:35	2
Methylene bromide	ND		10	1.2	ug/L			07/23/16 23:35	2
Methylene Chloride	ND		10	6.0	ug/L			07/23/16 23:35	2
4-Methyl-2-pentanone (MIBK)	ND		50	3.6	ug/L			07/23/16 23:35	2
Methyl tert-butyl ether	ND		2.0	1.5	ug/L			07/23/16 23:35	2
m-Xylene & p-Xylene	**270**		10	3.2	ug/L			07/23/16 23:35	2
Naphthalene	**100**		2.0	2.0	ug/L			07/23/16 23:35	2
n-Butylbenzene	ND		2.0	1.5	ug/L			07/23/16 23:35	2
N-Propylbenzene	**12**		2.0	1.4	ug/L			07/23/16 23:35	2
o-Chlorotoluene	ND		2.0	1.1	ug/L			07/23/16 23:35	2
o-Xylene	**6.5**	J	10	1.2	ug/L			07/23/16 23:35	2
p-Chlorotoluene	ND		2.0	1.1	ug/L			07/23/16 23:35	2
p-Isopropyltoluene	ND		2.0	1.4	ug/L			07/23/16 23:35	2

Client Sample ID: ROST4PZC-ROX-071516

Date Collected: 07/15/16 09:30
Date Received: 07/16/16 09:14

Lab Sample ID: 400-124585-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		2.0	1.4	ug/L			07/23/16 23:35	2
Styrene	ND		2.0	2.0	ug/L			07/23/16 23:35	2
tert-Butylbenzene	ND		2.0	1.3	ug/L			07/23/16 23:35	2
1,1,1,2-Tetrachloroethane	ND		2.0	1.0	ug/L			07/23/16 23:35	2
1,1,2,2-Tetrachloroethane	ND		2.0	1.0	ug/L			07/23/16 23:35	2
Tetrachloroethene	ND		2.0	1.2	ug/L			07/23/16 23:35	2
Toluene	**29**		2.0	1.4	ug/L			07/23/16 23:35	2
trans-1,2-Dichloroethene	ND		2.0	1.0	ug/L			07/23/16 23:35	2
trans-1,3-Dichloropropene	ND		10	1.0	ug/L			07/23/16 23:35	2
1,2,3-Trichlorobenzene	ND		2.0	1.4	ug/L			07/23/16 23:35	2
1,2,4-Trichlorobenzene	ND		2.0	1.6	ug/L			07/23/16 23:35	2
1,1,1-Trichloroethane	ND		2.0	1.0	ug/L			07/23/16 23:35	2
1,1,2-Trichloroethane	ND		10	1.0	ug/L			07/23/16 23:35	2
Trichloroethene	ND		2.0	1.0	ug/L			07/23/16 23:35	2
Trichlorofluoromethane	ND		2.0	1.0	ug/L			07/23/16 23:35	2
1,2,3-Trichloropropane	ND		10	1.7	ug/L			07/23/16 23:35	2
1,2,4-Trimethylbenzene	**65**		2.0	1.6	ug/L			07/23/16 23:35	2
1,3,5-Trimethylbenzene	**18**		2.0	1.1	ug/L			07/23/16 23:35	2
Vinyl acetate	ND		50	4.0	ug/L			07/23/16 23:35	2
Vinyl chloride	ND		2.0	1.0	ug/L			07/23/16 23:35	2
Xylenes, Total	**280**		20	3.2	ug/L			07/23/16 23:35	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*78 - 118*		*07/23/16 23:35*	*2*
Dibromofluoromethane	*98*		*81 - 121*		*07/23/16 23:35*	*2*
Toluene-d8 (Surr)	*89*		*80 - 120*		*07/23/16 23:35*	*2*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.25**		0.20	0.020	ug/L		07/22/16 10:08	07/25/16 22:00	1
Acenaphthylene	**0.041**	J	0.20	0.020	ug/L		07/22/16 10:08	07/25/16 22:00	1
Anthracene	ND		0.20	0.020	ug/L		07/22/16 10:08	07/25/16 22:00	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/22/16 10:08	07/25/16 22:00	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		07/22/16 10:08	07/25/16 22:00	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		07/22/16 10:08	07/25/16 22:00	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		07/22/16 10:08	07/25/16 22:00	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/22/16 10:08	07/25/16 22:00	1
Chrysene	ND		0.20	0.040	ug/L		07/22/16 10:08	07/25/16 22:00	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		07/22/16 10:08	07/25/16 22:00	1
Fluoranthene	ND		0.20	0.020	ug/L		07/22/16 10:08	07/25/16 22:00	1
Fluorene	**0.19**	J	0.20	0.021	ug/L		07/22/16 10:08	07/25/16 22:00	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		07/22/16 10:08	07/25/16 22:00	1
Phenanthrene	**0.13**	J	0.20	0.020	ug/L		07/22/16 10:08	07/25/16 22:00	1
Pyrene	ND		0.20	0.020	ug/L		07/22/16 10:08	07/25/16 22:00	1
1-Methylnaphthalene	**3.5**		0.20	0.020	ug/L		07/22/16 10:08	07/25/16 22:00	1
2-Methylnaphthalene	ND		0.20	0.020	ug/L		07/22/16 10:08	07/25/16 22:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*24*	*X*	*33 - 138*	*07/22/16 10:08*	*07/25/16 22:00*	*1*
2-Fluorobiphenyl	*35*		*15 - 122*	*07/22/16 10:08*	*07/25/16 22:00*	*1*

Client Sample ID: ROST4PZC-ROX-071516

Date Collected: 07/15/16 09:30
Date Received: 07/16/16 09:14

Lab Sample ID: 400-124585-3

Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	37		19 - 130	07/22/16 10:08	07/25/16 22:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND	* UJ	10	3.8	ug/L		07/22/16 10:08	07/27/16 18:05	1
Benzenethiol	ND	* UJ	10	1.7	ug/L		07/22/16 10:08	07/27/16 18:05	1
Benzoic acid	ND		30	7.3	ug/L		07/22/16 10:08	07/27/16 18:05	1
Benzyl alcohol	ND		10	2.0	ug/L		07/22/16 10:08	07/27/16 18:05	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		07/22/16 10:08	07/27/16 18:05	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		07/22/16 10:08	07/27/16 18:05	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		07/22/16 10:08	07/27/16 18:05	1
Bis(2-ethylhexyl) phthalate	**2.7**	J	10	2.3	ug/L		07/22/16 10:08	07/27/16 18:05	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		07/22/16 10:08	07/27/16 18:05	1
Butyl benzyl phthalate	**0.84**	J	10	0.69	ug/L		07/22/16 10:08	07/27/16 18:05	1
4-Chloroaniline	ND		10	3.4	ug/L		07/22/16 10:08	07/27/16 18:05	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		07/22/16 10:08	07/27/16 18:05	1
2-Chloronaphthalene	ND		10	0.52	ug/L		07/22/16 10:08	07/27/16 18:05	1
2-Chlorophenol	ND		10	2.2	ug/L		07/22/16 10:08	07/27/16 18:05	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		07/22/16 10:08	07/27/16 18:05	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		07/22/16 10:08	07/27/16 18:05	1
Dibenzofuran	ND		10	0.52	ug/L		07/22/16 10:08	07/27/16 18:05	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		07/22/16 10:08	07/27/16 18:05	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		07/22/16 10:08	07/27/16 18:05	1
Diethyl phthalate	**1.4**	J J	10	0.70	ug/L		07/22/16 10:08	07/27/16 18:05	1
2,4-Dimethylphenol	**13**		10	3.5	ug/L		07/22/16 10:08	07/27/16 18:05	1
Dimethyl phthalate	ND		10	0.60	ug/L		07/22/16 10:08	07/27/16 18:05	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		07/22/16 10:08	07/27/16 18:05	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/22/16 10:08	07/27/16 18:05	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		07/22/16 10:08	07/27/16 18:05	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		07/22/16 10:08	07/27/16 18:05	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		07/22/16 10:08	07/27/16 18:05	1
Di-n-octyl phthalate	~~0.81~~	J B U	10	0.44	ug/L		07/22/16 10:08	07/27/16 18:05	1
1,4-Dioxane	ND		10	1.0	ug/L		07/22/16 10:08	07/27/16 18:05	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		07/22/16 10:08	07/27/16 18:05	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/22/16 10:08	07/27/16 18:05	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		07/22/16 10:08	07/27/16 18:05	1
Hexachloroethane	ND		10	4.2	ug/L		07/22/16 10:08	07/27/16 18:05	1
Indene	ND		10	1.0	ug/L		07/22/16 10:08	07/27/16 18:05	1
Isophorone	ND		10	0.57	ug/L		07/22/16 10:08	07/27/16 18:05	1
2-Methylphenol	ND		10	1.8	ug/L		07/22/16 10:08	07/27/16 18:05	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		07/22/16 10:08	07/27/16 18:05	1
2-Nitroaniline	ND		10	2.2	ug/L		07/22/16 10:08	07/27/16 18:05	1
3-Nitroaniline	ND		10	1.8	ug/L		07/22/16 10:08	07/27/16 18:05	1
4-Nitroaniline	ND		10	2.5	ug/L		07/22/16 10:08	07/27/16 18:05	1
Nitrobenzene	ND		10	0.55	ug/L		07/22/16 10:08	07/27/16 18:05	1
2-Nitrophenol	ND		10	0.65	ug/L		07/22/16 10:08	07/27/16 18:05	1
4-Nitrophenol	ND		10	2.1	ug/L		07/22/16 10:08	07/27/16 18:05	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		07/22/16 10:08	07/27/16 18:05	1

Client Sample ID: ROST4PZC-ROX-071516
Date Collected: 07/15/16 09:30
Date Received: 07/16/16 09:14

Lab Sample ID: 400-124585-3
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		07/22/16 10:08	07/27/16 18:05	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		07/22/16 10:08	07/27/16 18:05	1
Pentachlorophenol	ND		20	1.8	ug/L		07/22/16 10:08	07/27/16 18:05	1
Phenol	ND		10	2.6	ug/L		07/22/16 10:08	07/27/16 18:05	1
Pyridine	ND	* UJ	10	3.2	ug/L		07/22/16 10:08	07/27/16 18:05	1
Quinoline	ND	*	10	6.0	ug/L		07/22/16 10:08	07/27/16 18:05	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		07/22/16 10:08	07/27/16 18:05	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		07/22/16 10:08	07/27/16 18:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*54*		*34 - 120*	*07/22/16 10:08*	*07/27/16 18:05*	*1*
2-Fluorophenol	*43*		*10 - 120*	*07/22/16 10:08*	*07/27/16 18:05*	*1*
Nitrobenzene-d5	*57*		*27 - 120*	*07/22/16 10:08*	*07/27/16 18:05*	*1*
Phenol-d5	*39*		*10 - 120*	*07/22/16 10:08*	*07/27/16 18:05*	*1*
Terphenyl-d14	*51*	X	*53 - 125*	*07/22/16 10:08*	*07/27/16 18:05*	*1*
2,4,6-Tribromophenol	*84*		*15 - 135*	*07/22/16 10:08*	*07/27/16 18:05*	*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		07/24/16 10:51	07/25/16 18:34	1
1,2-Dibromoethane	ND		0.021	0.0051	ug/L		07/24/16 10:51	07/25/16 18:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*71*		*51 - 149*	*07/24/16 10:51*	*07/25/16 18:34*	*1*

Client Sample ID: MW22-ROX-071516-EB

Date Collected: 07/15/16 10:05
Date Received: 07/16/16 09:14

Lab Sample ID: 400-124585-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	26		25	10	ug/L			07/23/16 21:25	1
Acrolein	ND		20	10	ug/L			07/23/16 21:25	1
Acrylonitrile	ND		10	2.8	ug/L			07/23/16 21:25	1
Benzene	ND		1.0	0.38	ug/L			07/23/16 21:25	1
Bromobenzene	ND		1.0	0.54	ug/L			07/23/16 21:25	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/23/16 21:25	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/23/16 21:25	1
Bromoform	ND		5.0	0.71	ug/L			07/23/16 21:25	1
Bromomethane	ND		1.0	0.98	ug/L			07/23/16 21:25	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/23/16 21:25	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/23/16 21:25	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			07/23/16 21:25	1
Chlorobenzene	ND		1.0	0.50	ug/L			07/23/16 21:25	1
Dibromochloromethane	ND		1.0	0.50	ug/L			07/23/16 21:25	1
Chloroethane	ND		1.0	0.76	ug/L			07/23/16 21:25	1
2-Chloroethyl vinyl ether	ND	*	5.0	2.0	ug/L			07/23/16 21:25	1
Chloroform	ND		1.0	0.60	ug/L			07/23/16 21:25	1
1-Chlorohexane	ND		1.0	0.70	ug/L			07/23/16 21:25	1
Chloromethane	ND		1.0	0.83	ug/L			07/23/16 21:25	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/23/16 21:25	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/23/16 21:25	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/23/16 21:25	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/23/16 21:25	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/23/16 21:25	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/23/16 21:25	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/23/16 21:25	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			07/23/16 21:25	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/23/16 21:25	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/23/16 21:25	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/23/16 21:25	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/23/16 21:25	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			07/23/16 21:25	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/23/16 21:25	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/23/16 21:25	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/23/16 21:25	1
2-Hexanone	ND		25	3.1	ug/L			07/23/16 21:25	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/23/16 21:25	1
Methylene bromide	ND		5.0	0.59	ug/L			07/23/16 21:25	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/23/16 21:25	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/23/16 21:25	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			07/23/16 21:25	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			07/23/16 21:25	1
Naphthalene	ND		1.0	1.0	ug/L			07/23/16 21:25	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/23/16 21:25	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/23/16 21:25	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/23/16 21:25	1
o-Xylene	ND		5.0	0.60	ug/L			07/23/16 21:25	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/23/16 21:25	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/23/16 21:25	1

Client Sample ID: MW22-ROX-071516-EB

Date Collected: 07/15/16 10:05
Date Received: 07/16/16 09:14

Lab Sample ID: 400-124585-4

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			07/23/16 21:25	1
Styrene	ND		1.0	1.0	ug/L			07/23/16 21:25	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/23/16 21:25	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			07/23/16 21:25	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/23/16 21:25	1
Tetrachloroethene	ND		1.0	0.58	ug/L			07/23/16 21:25	1
Toluene	ND		1.0	0.70	ug/L			07/23/16 21:25	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/23/16 21:25	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/23/16 21:25	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			07/23/16 21:25	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/23/16 21:25	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			07/23/16 21:25	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			07/23/16 21:25	1
Trichloroethene	ND		1.0	0.50	ug/L			07/23/16 21:25	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			07/23/16 21:25	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/23/16 21:25	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/23/16 21:25	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/23/16 21:25	1
Vinyl acetate	ND		25	2.0	ug/L			07/23/16 21:25	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/23/16 21:25	1
Xylenes, Total	ND		10	1.6	ug/L			07/23/16 21:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*78 - 118*		*07/23/16 21:25*	*1*
Dibromofluoromethane	*104*		*81 - 121*		*07/23/16 21:25*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*07/23/16 21:25*	*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		07/22/16 10:08	07/25/16 22:25	1
Acenaphthylene	ND		0.20	0.020	ug/L		07/22/16 10:08	07/25/16 22:25	1
Anthracene	ND		0.20	0.020	ug/L		07/22/16 10:08	07/25/16 22:25	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/22/16 10:08	07/25/16 22:25	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		07/22/16 10:08	07/25/16 22:25	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		07/22/16 10:08	07/25/16 22:25	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		07/22/16 10:08	07/25/16 22:25	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/22/16 10:08	07/25/16 22:25	1
Chrysene	ND		0.20	0.040	ug/L		07/22/16 10:08	07/25/16 22:25	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		07/22/16 10:08	07/25/16 22:25	1
Fluoranthene	ND		0.20	0.020	ug/L		07/22/16 10:08	07/25/16 22:25	1
Fluorene	ND		0.20	0.021	ug/L		07/22/16 10:08	07/25/16 22:25	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		07/22/16 10:08	07/25/16 22:25	1
Phenanthrene	ND		0.20	0.020	ug/L		07/22/16 10:08	07/25/16 22:25	1
Pyrene	ND		0.20	0.020	ug/L		07/22/16 10:08	07/25/16 22:25	1
1-Methylnaphthalene	ND		0.20	0.020	ug/L		07/22/16 10:08	07/25/16 22:25	1
2-Methylnaphthalene	ND		0.20	0.020	ug/L		07/22/16 10:08	07/25/16 22:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*30*	*X*	*33 - 138*	*07/22/16 10:08*	*07/25/16 22:25*	*1*
2-Fluorobiphenyl	*48*		*15 - 122*	*07/22/16 10:08*	*07/25/16 22:25*	*1*

Client Sample ID: MW22-ROX-071516-EB

Lab Sample ID: 400-124585-4

Date Collected: 07/15/16 10:05
Matrix: Water
Date Received: 07/16/16 09:14

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	47		19 - 130	07/22/16 10:08	07/25/16 22:25	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		07/22/16 10:08	07/27/16 18:35	1
Benzenethiol	ND	*	10	1.7	ug/L		07/22/16 10:08	07/27/16 18:35	1
Benzoic acid	ND		30	7.3	ug/L		07/22/16 10:08	07/27/16 18:35	1
Benzyl alcohol	ND		10	2.0	ug/L		07/22/16 10:08	07/27/16 18:35	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		07/22/16 10:08	07/27/16 18:35	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		07/22/16 10:08	07/27/16 18:35	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		07/22/16 10:08	07/27/16 18:35	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		07/22/16 10:08	07/27/16 18:35	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		07/22/16 10:08	07/27/16 18:35	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		07/22/16 10:08	07/27/16 18:35	1
4-Chloroaniline	ND		10	3.4	ug/L		07/22/16 10:08	07/27/16 18:35	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		07/22/16 10:08	07/27/16 18:35	1
2-Chloronaphthalene	ND		10	0.52	ug/L		07/22/16 10:08	07/27/16 18:35	1
2-Chlorophenol	ND		10	2.2	ug/L		07/22/16 10:08	07/27/16 18:35	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		07/22/16 10:08	07/27/16 18:35	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		07/22/16 10:08	07/27/16 18:35	1
Dibenzofuran	ND		10	0.52	ug/L		07/22/16 10:08	07/27/16 18:35	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		07/22/16 10:08	07/27/16 18:35	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		07/22/16 10:08	07/27/16 18:35	1
Diethyl phthalate	4.9	J	10	0.70	ug/L		07/22/16 10:08	07/27/16 18:35	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		07/22/16 10:08	07/27/16 18:35	1
Dimethyl phthalate	ND		10	0.60	ug/L		07/22/16 10:08	07/27/16 18:35	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		07/22/16 10:08	07/27/16 18:35	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/22/16 10:08	07/27/16 18:35	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		07/22/16 10:08	07/27/16 18:35	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		07/22/16 10:08	07/27/16 18:35	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		07/22/16 10:08	07/27/16 18:35	1
Di-n-octyl phthalate	0.78	J B	10	0.44	ug/L		07/22/16 10:08	07/27/16 18:35	1
1,4-Dioxane	ND		10	1.0	ug/L		07/22/16 10:08	07/27/16 18:35	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		07/22/16 10:08	07/27/16 18:35	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/22/16 10:08	07/27/16 18:35	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		07/22/16 10:08	07/27/16 18:35	1
Hexachloroethane	ND		10	4.2	ug/L		07/22/16 10:08	07/27/16 18:35	1
Indene	ND		10	1.0	ug/L		07/22/16 10:08	07/27/16 18:35	1
Isophorone	ND		10	0.57	ug/L		07/22/16 10:08	07/27/16 18:35	1
2-Methylphenol	ND		10	1.8	ug/L		07/22/16 10:08	07/27/16 18:35	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		07/22/16 10:08	07/27/16 18:35	1
2-Nitroaniline	ND		10	2.2	ug/L		07/22/16 10:08	07/27/16 18:35	1
3-Nitroaniline	ND		10	1.8	ug/L		07/22/16 10:08	07/27/16 18:35	1
4-Nitroaniline	ND		10	2.5	ug/L		07/22/16 10:08	07/27/16 18:35	1
Nitrobenzene	ND		10	0.55	ug/L		07/22/16 10:08	07/27/16 18:35	1
2-Nitrophenol	ND		10	0.65	ug/L		07/22/16 10:08	07/27/16 18:35	1
4-Nitrophenol	ND		10	2.1	ug/L		07/22/16 10:08	07/27/16 18:35	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		07/22/16 10:08	07/27/16 18:35	1

Client Sample ID: MW22-ROX-071516-EB

Date Collected: 07/15/16 10:05
Date Received: 07/16/16 09:14

Lab Sample ID: 400-124585-4

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		07/22/16 10:08	07/27/16 18:35	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		07/22/16 10:08	07/27/16 18:35	1
Pentachlorophenol	ND		20	1.8	ug/L		07/22/16 10:08	07/27/16 18:35	1
Phenol	ND		10	2.6	ug/L		07/22/16 10:08	07/27/16 18:35	1
Pyridine	ND	*	10	3.2	ug/L		07/22/16 10:08	07/27/16 18:35	1
Quinoline	ND	*	10	6.0	ug/L		07/22/16 10:08	07/27/16 18:35	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		07/22/16 10:08	07/27/16 18:35	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		07/22/16 10:08	07/27/16 18:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*72*		*34 - 120*	*07/22/16 10:08*	*07/27/16 18:35*	*1*
2-Fluorophenol	*60*		*10 - 120*	*07/22/16 10:08*	*07/27/16 18:35*	*1*
Nitrobenzene-d5	*74*		*27 - 120*	*07/22/16 10:08*	*07/27/16 18:35*	*1*
Phenol-d5	*55*		*10 - 120*	*07/22/16 10:08*	*07/27/16 18:35*	*1*
Terphenyl-d14	*60*		*53 - 125*	*07/22/16 10:08*	*07/27/16 18:35*	*1*
2,4,6-Tribromophenol	*86*		*15 - 135*	*07/22/16 10:08*	*07/27/16 18:35*	*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		0.029	0.0052	ug/L		07/24/16 10:51	07/25/16 19:04	1
1,2-Dibromoethane	ND		0.019	0.0048	ug/L		07/24/16 10:51	07/25/16 19:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*51 - 149*	*07/24/16 10:51*	*07/25/16 19:04*	*1*

Client Sample ID: MW22-ROX-071516

Date Collected: 07/15/16 10:55
Date Received: 07/16/16 09:14

Lab Sample ID: 400-124585-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		130	50	ug/L			07/24/16 00:53	5
Acrolein	ND		100	50	ug/L			07/24/16 00:53	5
Acrylonitrile	ND		50	14	ug/L			07/24/16 00:53	5
Benzene	**61**		5.0	1.9	ug/L			07/24/16 00:53	5
Bromobenzene	ND		5.0	2.7	ug/L			07/24/16 00:53	5
Bromochloromethane	ND		5.0	2.6	ug/L			07/24/16 00:53	5
Bromodichloromethane	ND		5.0	2.5	ug/L			07/24/16 00:53	5
Bromoform	ND		25	3.6	ug/L			07/24/16 00:53	5
Bromomethane	ND		5.0	4.9	ug/L			07/24/16 00:53	5
2-Butanone (MEK)	ND		130	13	ug/L			07/24/16 00:53	5
Carbon disulfide	ND		5.0	2.5	ug/L			07/24/16 00:53	5
Carbon tetrachloride	ND		5.0	2.5	ug/L			07/24/16 00:53	5
Chlorobenzene	ND		5.0	2.5	ug/L			07/24/16 00:53	5
Dibromochloromethane	ND		5.0	2.5	ug/L			07/24/16 00:53	5
Chloroethane	ND		5.0	3.8	ug/L			07/24/16 00:53	5
2-Chloroethyl vinyl ether	ND	*	25	10	ug/L			07/24/16 00:53	5
Chloroform	ND		5.0	3.0	ug/L			07/24/16 00:53	5
1-Chlorohexane	ND		5.0	3.5	ug/L			07/24/16 00:53	5
Chloromethane	ND		5.0	4.2	ug/L			07/24/16 00:53	5
cis-1,2-Dichloroethene	ND		5.0	2.5	ug/L			07/24/16 00:53	5
cis-1,3-Dichloropropene	ND		25	2.5	ug/L			07/24/16 00:53	5
1,2-Dichlorobenzene	ND		5.0	2.5	ug/L			07/24/16 00:53	5
1,3-Dichlorobenzene	ND		5.0	2.7	ug/L			07/24/16 00:53	5
1,4-Dichlorobenzene	ND		5.0	3.2	ug/L			07/24/16 00:53	5
Dichlorodifluoromethane	ND		5.0	4.3	ug/L			07/24/16 00:53	5
1,1-Dichloroethane	ND		5.0	2.5	ug/L			07/24/16 00:53	5
1,2-Dichloroethane	ND		5.0	2.5	ug/L			07/24/16 00:53	5
1,1-Dichloroethene	ND		5.0	2.5	ug/L			07/24/16 00:53	5
1,2-Dichloropropane	ND		5.0	2.5	ug/L			07/24/16 00:53	5
1,3-Dichloropropane	ND		5.0	2.5	ug/L			07/24/16 00:53	5
2,2-Dichloropropane	ND		5.0	2.5	ug/L			07/24/16 00:53	5
1,1-Dichloropropene	ND		5.0	2.5	ug/L			07/24/16 00:53	5
Ethylbenzene	**410**		5.0	2.5	ug/L			07/24/16 00:53	5
Ethyl methacrylate	ND		5.0	3.0	ug/L			07/24/16 00:53	5
Hexachlorobutadiene	ND		25	4.5	ug/L			07/24/16 00:53	5
2-Hexanone	ND		130	16	ug/L			07/24/16 00:53	5
Isopropylbenzene	**24**		5.0	2.7	ug/L			07/24/16 00:53	5
Methylene bromide	ND		25	3.0	ug/L			07/24/16 00:53	5
Methylene Chloride	ND		25	15	ug/L			07/24/16 00:53	5
4-Methyl-2-pentanone (MIBK)	ND		130	9.0	ug/L			07/24/16 00:53	5
Methyl tert-butyl ether	ND		5.0	3.7	ug/L			07/24/16 00:53	5
m-Xylene & p-Xylene	**560**		25	8.0	ug/L			07/24/16 00:53	5
Naphthalene	**75**		5.0	5.0	ug/L			07/24/16 00:53	5
n-Butylbenzene	ND		5.0	3.8	ug/L			07/24/16 00:53	5
N-Propylbenzene	**45**		5.0	3.5	ug/L			07/24/16 00:53	5
o-Chlorotoluene	ND		5.0	2.9	ug/L			07/24/16 00:53	5
o-Xylene	**310**		25	3.0	ug/L			07/24/16 00:53	5
p-Chlorotoluene	ND		5.0	2.8	ug/L			07/24/16 00:53	5
p-Isopropyltoluene	ND		5.0	3.6	ug/L			07/24/16 00:53	5

Client Sample ID: MW22-ROX-071516
Date Collected: 07/15/16 10:55
Date Received: 07/16/16 09:14

Lab Sample ID: 400-124585-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		5.0	3.5	ug/L			07/24/16 00:53	5
Styrene	ND		5.0	5.0	ug/L			07/24/16 00:53	5
tert-Butylbenzene	ND		5.0	3.2	ug/L			07/24/16 00:53	5
1,1,1,2-Tetrachloroethane	ND		5.0	2.6	ug/L			07/24/16 00:53	5
1,1,2,2-Tetrachloroethane	ND		5.0	2.5	ug/L			07/24/16 00:53	5
Tetrachloroethene	ND		5.0	2.9	ug/L			07/24/16 00:53	5
Toluene	**51**		5.0	3.5	ug/L			07/24/16 00:53	5
trans-1,2-Dichloroethene	ND		5.0	2.5	ug/L			07/24/16 00:53	5
trans-1,3-Dichloropropene	ND		25	2.5	ug/L			07/24/16 00:53	5
1,2,3-Trichlorobenzene	ND		5.0	3.5	ug/L			07/24/16 00:53	5
1,2,4-Trichlorobenzene	ND		5.0	4.1	ug/L			07/24/16 00:53	5
1,1,1-Trichloroethane	ND		5.0	2.5	ug/L			07/24/16 00:53	5
1,1,2-Trichloroethane	ND		25	2.5	ug/L			07/24/16 00:53	5
Trichloroethene	ND		5.0	2.5	ug/L			07/24/16 00:53	5
Trichlorofluoromethane	ND		5.0	2.6	ug/L			07/24/16 00:53	5
1,2,3-Trichloropropane	ND		25	4.2	ug/L			07/24/16 00:53	5
1,2,4-Trimethylbenzene	**220**		5.0	4.1	ug/L			07/24/16 00:53	5
1,3,5-Trimethylbenzene	**64**		5.0	2.8	ug/L			07/24/16 00:53	5
Vinyl acetate	ND		130	10	ug/L			07/24/16 00:53	5
Vinyl chloride	ND		5.0	2.5	ug/L			07/24/16 00:53	5
Xylenes, Total	**880**		50	8.0	ug/L			07/24/16 00:53	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*78 - 118*		*07/24/16 00:53*	*5*
Dibromofluoromethane	*95*		*81 - 121*		*07/24/16 00:53*	*5*
Toluene-d8 (Surr)	*89*		*80 - 120*		*07/24/16 00:53*	*5*

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		07/22/16 10:08	07/25/16 22:51	1
Acenaphthylene	ND		0.20	0.020	ug/L		07/22/16 10:08	07/25/16 22:51	1
Anthracene	ND		0.20	0.020	ug/L		07/22/16 10:08	07/25/16 22:51	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/22/16 10:08	07/25/16 22:51	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		07/22/16 10:08	07/25/16 22:51	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		07/22/16 10:08	07/25/16 22:51	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		07/22/16 10:08	07/25/16 22:51	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/22/16 10:08	07/25/16 22:51	1
Chrysene	ND		0.20	0.040	ug/L		07/22/16 10:08	07/25/16 22:51	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		07/22/16 10:08	07/25/16 22:51	1
Fluoranthene	ND		0.20	0.020	ug/L		07/22/16 10:08	07/25/16 22:51	1
Fluorene	ND		0.20	0.021	ug/L		07/22/16 10:08	07/25/16 22:51	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		07/22/16 10:08	07/25/16 22:51	1
Phenanthrene	ND		0.20	0.020	ug/L		07/22/16 10:08	07/25/16 22:51	1
Pyrene	ND		0.20	0.020	ug/L		07/22/16 10:08	07/25/16 22:51	1
1-Methylnaphthalene	**3.2**	J	0.20	0.020	ug/L		07/22/16 10:08	07/25/16 22:51	1
2-Methylnaphthalene	**4.8**		0.20	0.020	ug/L		07/22/16 10:08	07/25/16 22:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*16*	*X*	*33 - 138*	*07/22/16 10:08*	*07/25/16 22:51*	*1*
2-Fluorobiphenyl	*28*		*15 - 122*	*07/22/16 10:08*	*07/25/16 22:51*	*1*

Client Sample ID: MW22-ROX-071516

Date Collected: 07/15/16 10:55
Date Received: 07/16/16 09:14

Lab Sample ID: 400-124585-5

Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	32		19 - 130	07/22/16 10:08	07/25/16 22:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND	* UJ	10	3.8	ug/L		07/22/16 10:08	07/27/16 19:05	1
Benzenethiol	ND	* UJ	10	1.7	ug/L		07/22/16 10:08	07/27/16 19:05	1
Benzoic acid	ND		30	7.3	ug/L		07/22/16 10:08	07/27/16 19:05	1
Benzyl alcohol	ND		10	2.0	ug/L		07/22/16 10:08	07/27/16 19:05	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		07/22/16 10:08	07/27/16 19:05	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		07/22/16 10:08	07/27/16 19:05	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		07/22/16 10:08	07/27/16 19:05	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		07/22/16 10:08	07/27/16 19:05	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		07/22/16 10:08	07/27/16 19:05	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		07/22/16 10:08	07/27/16 19:05	1
4-Chloroaniline	ND		10	3.4	ug/L		07/22/16 10:08	07/27/16 19:05	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		07/22/16 10:08	07/27/16 19:05	1
2-Chloronaphthalene	ND		10	0.52	ug/L		07/22/16 10:08	07/27/16 19:05	1
2-Chlorophenol	ND		10	2.2	ug/L		07/22/16 10:08	07/27/16 19:05	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		07/22/16 10:08	07/27/16 19:05	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		07/22/16 10:08	07/27/16 19:05	1
Dibenzofuran	ND		10	0.52	ug/L		07/22/16 10:08	07/27/16 19:05	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		07/22/16 10:08	07/27/16 19:05	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		07/22/16 10:08	07/27/16 19:05	1
Diethyl phthalate	**5.5**	**J** J	10	0.70	ug/L		07/22/16 10:08	07/27/16 19:05	1
2,4-Dimethylphenol	**7.1**	**J**	10	3.5	ug/L		07/22/16 10:08	07/27/16 19:05	1
Dimethyl phthalate	ND		10	0.60	ug/L		07/22/16 10:08	07/27/16 19:05	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		07/22/16 10:08	07/27/16 19:05	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/22/16 10:08	07/27/16 19:05	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		07/22/16 10:08	07/27/16 19:05	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		07/22/16 10:08	07/27/16 19:05	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		07/22/16 10:08	07/27/16 19:05	1
Di-n-octyl phthalate	**0.72**	**J B** J	10	0.44	ug/L		07/22/16 10:08	07/27/16 19:05	1
1,4-Dioxane	ND		10	1.0	ug/L		07/22/16 10:08	07/27/16 19:05	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		07/22/16 10:08	07/27/16 19:05	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/22/16 10:08	07/27/16 19:05	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		07/22/16 10:08	07/27/16 19:05	1
Hexachloroethane	ND		10	4.2	ug/L		07/22/16 10:08	07/27/16 19:05	1
Indene	**4.3**	**J**	10	1.0	ug/L		07/22/16 10:08	07/27/16 19:05	1
Isophorone	ND		10	0.57	ug/L		07/22/16 10:08	07/27/16 19:05	1
2-Methylphenol	ND		10	1.8	ug/L		07/22/16 10:08	07/27/16 19:05	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		07/22/16 10:08	07/27/16 19:05	1
2-Nitroaniline	ND		10	2.2	ug/L		07/22/16 10:08	07/27/16 19:05	1
3-Nitroaniline	ND		10	1.8	ug/L		07/22/16 10:08	07/27/16 19:05	1
4-Nitroaniline	ND		10	2.5	ug/L		07/22/16 10:08	07/27/16 19:05	1
Nitrobenzene	ND		10	0.55	ug/L		07/22/16 10:08	07/27/16 19:05	1
2-Nitrophenol	ND		10	0.65	ug/L		07/22/16 10:08	07/27/16 19:05	1
4-Nitrophenol	ND		10	2.1	ug/L		07/22/16 10:08	07/27/16 19:05	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		07/22/16 10:08	07/27/16 19:05	1

Client Sample ID: MW22-ROX-071516

Date Collected: 07/15/16 10:55
Date Received: 07/16/16 09:14

Lab Sample ID: 400-124585-5

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		07/22/16 10:08	07/27/16 19:05	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		07/22/16 10:08	07/27/16 19:05	1
Pentachlorophenol	ND		20	1.8	ug/L		07/22/16 10:08	07/27/16 19:05	1
Phenol	ND		10	2.6	ug/L		07/22/16 10:08	07/27/16 19:05	1
Pyridine	ND	* U5	10	3.2	ug/L		07/22/16 10:08	07/27/16 19:05	1
Quinoline	ND	*	10	6.0	ug/L		07/22/16 10:08	07/27/16 19:05	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		07/22/16 10:08	07/27/16 19:05	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		07/22/16 10:08	07/27/16 19:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*49*		*34 - 120*	*07/22/16 10:08*	*07/27/16 19:05*	*1*
2-Fluorophenol	*33*		*10 - 120*	*07/22/16 10:08*	*07/27/16 19:05*	*1*
Nitrobenzene-d5	*50*		*27 - 120*	*07/22/16 10:08*	*07/27/16 19:05*	*1*
Phenol-d5	*38*		*10 - 120*	*07/22/16 10:08*	*07/27/16 19:05*	*1*
Terphenyl-d14	*36*	*X*	*53 - 125*	*07/22/16 10:08*	*07/27/16 19:05*	*1*
2,4,6-Tribromophenol	*87*		*15 - 135*	*07/22/16 10:08*	*07/27/16 19:05*	*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		07/24/16 10:44	07/25/16 23:03	1
1,2-Dibromoethane	ND		0.020	0.0051	ug/L		07/24/16 10:44	07/25/16 23:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*105*		*51 - 149*	*07/24/16 10:44*	*07/25/16 23:03*	*1*

Client Sample ID: MW22-ROX-071516-DUP

Date Collected: 07/15/16 10:55
Date Received: 07/16/16 09:14

Lab Sample ID: 400-124585-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		130	50	ug/L			07/24/16 01:18	5
Acrolein	ND		100	50	ug/L			07/24/16 01:18	5
Acrylonitrile	ND		50	14	ug/L			07/24/16 01:18	5
Benzene	**62**		5.0	1.9	ug/L			07/24/16 01:18	5
Bromobenzene	ND		5.0	2.7	ug/L			07/24/16 01:18	5
Bromochloromethane	ND		5.0	2.6	ug/L			07/24/16 01:18	5
Bromodichloromethane	ND		5.0	2.5	ug/L			07/24/16 01:18	5
Bromoform	ND		25	3.6	ug/L			07/24/16 01:18	5
Bromomethane	ND		5.0	4.9	ug/L			07/24/16 01:18	5
2-Butanone (MEK)	ND		130	13	ug/L			07/24/16 01:18	5
Carbon disulfide	ND		5.0	2.5	ug/L			07/24/16 01:18	5
Carbon tetrachloride	ND		5.0	2.5	ug/L			07/24/16 01:18	5
Chlorobenzene	ND		5.0	2.5	ug/L			07/24/16 01:18	5
Dibromochloromethane	ND		5.0	2.5	ug/L			07/24/16 01:18	5
Chloroethane	ND		5.0	3.8	ug/L			07/24/16 01:18	5
2-Chloroethyl vinyl ether	ND	*	25	10	ug/L			07/24/16 01:18	5
Chloroform	ND		5.0	3.0	ug/L			07/24/16 01:18	5
1-Chlorohexane	ND		5.0	3.5	ug/L			07/24/16 01:18	5
Chloromethane	ND		5.0	4.2	ug/L			07/24/16 01:18	5
cis-1,2-Dichloroethene	ND		5.0	2.5	ug/L			07/24/16 01:18	5
cis-1,3-Dichloropropene	ND		25	2.5	ug/L			07/24/16 01:18	5
1,2-Dichlorobenzene	ND		5.0	2.5	ug/L			07/24/16 01:18	5
1,3-Dichlorobenzene	ND		5.0	2.7	ug/L			07/24/16 01:18	5
1,4-Dichlorobenzene	ND		5.0	3.2	ug/L			07/24/16 01:18	5
Dichlorodifluoromethane	ND		5.0	4.3	ug/L			07/24/16 01:18	5
1,1-Dichloroethane	ND		5.0	2.5	ug/L			07/24/16 01:18	5
1,2-Dichloroethane	ND		5.0	2.5	ug/L			07/24/16 01:18	5
1,1-Dichloroethene	ND		5.0	2.5	ug/L			07/24/16 01:18	5
1,2-Dichloropropane	ND		5.0	2.5	ug/L			07/24/16 01:18	5
1,3-Dichloropropane	ND		5.0	2.5	ug/L			07/24/16 01:18	5
2,2-Dichloropropane	ND		5.0	2.5	ug/L			07/24/16 01:18	5
1,1-Dichloropropene	ND		5.0	2.5	ug/L			07/24/16 01:18	5
Ethylbenzene	**410**		5.0	2.5	ug/L			07/24/16 01:18	5
Ethyl methacrylate	ND		5.0	3.0	ug/L			07/24/16 01:18	5
Hexachlorobutadiene	ND		25	4.5	ug/L			07/24/16 01:18	5
2-Hexanone	ND		130	16	ug/L			07/24/16 01:18	5
Isopropylbenzene	**25**		5.0	2.7	ug/L			07/24/16 01:18	5
Methylene bromide	ND		25	3.0	ug/L			07/24/16 01:18	5
Methylene Chloride	ND		25	15	ug/L			07/24/16 01:18	5
4-Methyl-2-pentanone (MIBK)	ND		130	9.0	ug/L			07/24/16 01:18	5
Methyl tert-butyl ether	ND		5.0	3.7	ug/L			07/24/16 01:18	5
m-Xylene & p-Xylene	**570**		25	8.0	ug/L			07/24/16 01:18	5
Naphthalene	**78**		5.0	5.0	ug/L			07/24/16 01:18	5
n-Butylbenzene	ND		5.0	3.8	ug/L			07/24/16 01:18	5
N-Propylbenzene	**42**		5.0	3.5	ug/L			07/24/16 01:18	5
o-Chlorotoluene	ND		5.0	2.9	ug/L			07/24/16 01:18	5
o-Xylene	**310**		25	3.0	ug/L			07/24/16 01:18	5
p-Chlorotoluene	ND		5.0	2.8	ug/L			07/24/16 01:18	5
p-Isopropyltoluene	ND		5.0	3.6	ug/L			07/24/16 01:18	5

Client Sample ID: MW22-ROX-071516-DUP
Date Collected: 07/15/16 10:55
Date Received: 07/16/16 09:14

Lab Sample ID: 400-124585-6
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			07/24/16 01:18	5
Styrene	ND		5.0	5.0	ug/L			07/24/16 01:18	5
tert-Butylbenzene	ND		5.0	3.2	ug/L			07/24/16 01:18	5
1,1,1,2-Tetrachloroethane	ND		5.0	2.6	ug/L			07/24/16 01:18	5
1,1,2,2-Tetrachloroethane	ND		5.0	2.5	ug/L			07/24/16 01:18	5
Tetrachloroethene	ND		5.0	2.9	ug/L			07/24/16 01:18	5
Toluene	**51**		5.0	3.5	ug/L			07/24/16 01:18	5
trans-1,2-Dichloroethene	ND		5.0	2.5	ug/L			07/24/16 01:18	5
trans-1,3-Dichloropropene	ND		25	2.5	ug/L			07/24/16 01:18	5
1,2,3-Trichlorobenzene	ND		5.0	3.5	ug/L			07/24/16 01:18	5
1,2,4-Trichlorobenzene	ND		5.0	4.1	ug/L			07/24/16 01:18	5
1,1,1-Trichloroethane	ND		5.0	2.5	ug/L			07/24/16 01:18	5
1,1,2-Trichloroethane	ND		25	2.5	ug/L			07/24/16 01:18	5
Trichloroethene	ND		5.0	2.5	ug/L			07/24/16 01:18	5
Trichlorofluoromethane	ND		5.0	2.6	ug/L			07/24/16 01:18	5
1,2,3-Trichloropropane	ND		25	4.2	ug/L			07/24/16 01:18	5
1,2,4-Trimethylbenzene	**210**		5.0	4.1	ug/L			07/24/16 01:18	5
1,3,5-Trimethylbenzene	**63**		5.0	2.8	ug/L			07/24/16 01:18	5
Vinyl acetate	ND		130	10	ug/L			07/24/16 01:18	5
Vinyl chloride	ND		5.0	2.5	ug/L			07/24/16 01:18	5
Xylenes, Total	**880**		50	8.0	ug/L			07/24/16 01:18	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*78 - 118*		*07/24/16 01:18*	*5*
Dibromofluoromethane	*103*		*81 - 121*		*07/24/16 01:18*	*5*
Toluene-d8 (Surr)	*89*		*80 - 120*		*07/24/16 01:18*	*5*

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		07/22/16 10:08	07/25/16 23:17	1
Acenaphthylene	ND		0.20	0.020	ug/L		07/22/16 10:08	07/25/16 23:17	1
Anthracene	ND		0.20	0.020	ug/L		07/22/16 10:08	07/25/16 23:17	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/22/16 10:08	07/25/16 23:17	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		07/22/16 10:08	07/25/16 23:17	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		07/22/16 10:08	07/25/16 23:17	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		07/22/16 10:08	07/25/16 23:17	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/22/16 10:08	07/25/16 23:17	1
Chrysene	ND		0.20	0.040	ug/L		07/22/16 10:08	07/25/16 23:17	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		07/22/16 10:08	07/25/16 23:17	1
Fluoranthene	ND		0.20	0.020	ug/L		07/22/16 10:08	07/25/16 23:17	1
Fluorene	ND		0.20	0.021	ug/L		07/22/16 10:08	07/25/16 23:17	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		07/22/16 10:08	07/25/16 23:17	1
Phenanthrene	ND		0.20	0.020	ug/L		07/22/16 10:08	07/25/16 23:17	1
Pyrene	ND		0.20	0.020	ug/L		07/22/16 10:08	07/25/16 23:17	1
1-Methylnaphthalene	**4.1**	J	0.20	0.020	ug/L		07/22/16 10:08	07/25/16 23:17	1
2-Methylnaphthalene	**6.0**		0.20	0.020	ug/L		07/22/16 10:08	07/25/16 23:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*24*	*X*	*33 - 138*	*07/22/16 10:08*	*07/25/16 23:17*	*1*
2-Fluorobiphenyl	*39*		*15 - 122*	*07/22/16 10:08*	*07/25/16 23:17*	*1*

Client Sample ID: MW22-ROX-071516-DUP

Lab Sample ID: 400-124585-6

Date Collected: 07/15/16 10:55
Matrix: Water
Date Received: 07/16/16 09:14

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*41*		*19 - 130*	*07/22/16 10:08*	*07/25/16 23:17*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND	* UJ	10	3.8	ug/L		07/22/16 10:08	07/27/16 19:35	1
Benzenethiol	ND	* UJ	10	1.7	ug/L		07/22/16 10:08	07/27/16 19:35	1
Benzoic acid	ND		30	7.3	ug/L		07/22/16 10:08	07/27/16 19:35	1
Benzyl alcohol	ND		10	2.0	ug/L		07/22/16 10:08	07/27/16 19:35	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		07/22/16 10:08	07/27/16 19:35	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		07/22/16 10:08	07/27/16 19:35	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		07/22/16 10:08	07/27/16 19:35	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		07/22/16 10:08	07/27/16 19:35	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		07/22/16 10:08	07/27/16 19:35	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		07/22/16 10:08	07/27/16 19:35	1
4-Chloroaniline	ND		10	3.4	ug/L		07/22/16 10:08	07/27/16 19:35	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		07/22/16 10:08	07/27/16 19:35	1
2-Chloronaphthalene	ND		10	0.52	ug/L		07/22/16 10:08	07/27/16 19:35	1
2-Chlorophenol	ND		10	2.2	ug/L		07/22/16 10:08	07/27/16 19:35	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		07/22/16 10:08	07/27/16 19:35	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		07/22/16 10:08	07/27/16 19:35	1
Dibenzofuran	ND		10	0.52	ug/L		07/22/16 10:08	07/27/16 19:35	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		07/22/16 10:08	07/27/16 19:35	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		07/22/16 10:08	07/27/16 19:35	1
Diethyl phthalate	ND		10	0.70	ug/L		07/22/16 10:08	07/27/16 19:35	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		07/22/16 10:08	07/27/16 19:35	1
Dimethyl phthalate	ND		10	0.60	ug/L		07/22/16 10:08	07/27/16 19:35	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		07/22/16 10:08	07/27/16 19:35	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/22/16 10:08	07/27/16 19:35	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		07/22/16 10:08	07/27/16 19:35	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		07/22/16 10:08	07/27/16 19:35	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		07/22/16 10:08	07/27/16 19:35	1
Di-n-octyl phthalate	~~0.86~~	J B Y	10	0.44	ug/L		07/22/16 10:08	07/27/16 19:35	1
1,4-Dioxane	ND		10	1.0	ug/L		07/22/16 10:08	07/27/16 19:35	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		07/22/16 10:08	07/27/16 19:35	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/22/16 10:08	07/27/16 19:35	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		07/22/16 10:08	07/27/16 19:35	1
Hexachloroethane	ND		10	4.2	ug/L		07/22/16 10:08	07/27/16 19:35	1
Indene	**5.0**	**J**	10	1.0	ug/L		07/22/16 10:08	07/27/16 19:35	1
Isophorone	ND		10	0.57	ug/L		07/22/16 10:08	07/27/16 19:35	1
2-Methylphenol	ND		10	1.8	ug/L		07/22/16 10:08	07/27/16 19:35	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		07/22/16 10:08	07/27/16 19:35	1
2-Nitroaniline	ND		10	2.2	ug/L		07/22/16 10:08	07/27/16 19:35	1
3-Nitroaniline	ND		10	1.8	ug/L		07/22/16 10:08	07/27/16 19:35	1
4-Nitroaniline	ND		10	2.5	ug/L		07/22/16 10:08	07/27/16 19:35	1
Nitrobenzene	ND		10	0.55	ug/L		07/22/16 10:08	07/27/16 19:35	1
2-Nitrophenol	ND		10	0.65	ug/L		07/22/16 10:08	07/27/16 19:35	1
4-Nitrophenol	ND		10	2.1	ug/L		07/22/16 10:08	07/27/16 19:35	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		07/22/16 10:08	07/27/16 19:35	1

Client Sample ID: MW22-ROX-071516-DUP
Date Collected: 07/15/16 10:55
Date Received: 07/16/16 09:14

Lab Sample ID: 400-124585-6
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		07/22/16 10:08	07/27/16 19:35	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		07/22/16 10:08	07/27/16 19:35	1
Pentachlorophenol	ND		20	1.8	ug/L		07/22/16 10:08	07/27/16 19:35	1
Phenol	ND		10	2.6	ug/L		07/22/16 10:08	07/27/16 19:35	1
Pyridine	ND	* UJ	10	3.2	ug/L		07/22/16 10:08	07/27/16 19:35	1
Quinoline	ND	*	10	6.0	ug/L		07/22/16 10:08	07/27/16 19:35	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		07/22/16 10:08	07/27/16 19:35	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		07/22/16 10:08	07/27/16 19:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*55*		*34 - 120*	*07/22/16 10:08*	*07/27/16 19:35*	*1*
2-Fluorophenol	*42*		*10 - 120*	*07/22/16 10:08*	*07/27/16 19:35*	*1*
Nitrobenzene-d5	*60*		*27 - 120*	*07/22/16 10:08*	*07/27/16 19:35*	*1*
Phenol-d5	*49*		*10 - 120*	*07/22/16 10:08*	*07/27/16 19:35*	*1*
Terphenyl-d14	*35*	*X*	*53 - 125*	*07/22/16 10:08*	*07/27/16 19:35*	*1*
2,4,6-Tribromophenol	*89*		*15 - 135*	*07/22/16 10:08*	*07/27/16 19:35*	*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	0.0054	ug/L		07/24/16 10:44	07/25/16 23:33	1
1,2-Dibromoethane	ND		0.020	0.0049	ug/L		07/24/16 10:44	07/25/16 23:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*51 - 149*	*07/24/16 10:44*	*07/25/16 23:33*	*1*

Qualifiers

GC/MS VOA

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

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
*	LCS or LCSD is outside acceptance limits.
*	RPD of the LCS and LCSD exceeds the control limits
B	Compound was found in the blank and sample.

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 - 3Q16

TestAmerica Job ID: 400-124585-1
SDG: 60477387 - 1.03.003/1.03.0033

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)
400-124559-E-3 MS	Matrix Spike	100	99	101
400-124559-E-3 MSD	Matrix Spike Duplicate	100	101	99
400-124585-2	TB-ROX-071516R-8260	94	105	92
400-124585-3	ROST4PZC-ROX-071516	93	98	89
400-124585-4	MW22-ROX-071516-EB	95	104	93
400-124585-5	MW22-ROX-071516	93	95	89
400-124585-6	MW22-ROX-071516-DUP	92	103	89
LCS 400-315486/1002	Lab Control Sample	103	100	99
MB 400-315486/4	Method Blank	93	103	93

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)
400-124585-3	ROST4PZC-ROX-071516	54	43	57	39	51 X	84
400-124585-4	MW22-ROX-071516-EB	72	60	74	55	60	86
400-124585-5	MW22-ROX-071516	49	33	50	38	36 X	87
400-124585-6	MW22-ROX-071516-DUP	55	42	60	49	35 X	89
LCS 400-315364/2-A	Lab Control Sample	76	71	74	75	104	112
LCS 400-315364/4-A	Lab Control Sample	86	70	87	82	101	102
LCSD 400-315364/3-A	Lab Control Sample Dup	81	78	81	81	100	116
LCSD 400-315364/5-A	Lab Control Sample Dup	85	78	85	85	111	103
MB 400-315364/1-A	Method Blank	82	68	83	80	109	98

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)
400-124585-3	ROST4PZC-ROX-071516	24 X	35	37
400-124585-4	MW22-ROX-071516-EB	30 X	48	47
400-124585-5	MW22-ROX-071516	16 X	28	32
400-124585-6	MW22-ROX-071516-DUP	24 X	39	41
LCS 400-315364/2-A	Lab Control Sample	76	78	58

Surrogate Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 3Q16

TestAmerica Job ID: 400-124585-1
SDG: 60477387 - 1.03.003/1.03.0033

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)
LCSD 400-315364/3-A	Lab Control Sample Dup	78	81	58
MB 400-315364/1-A	Method Blank	100	64	58

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)
400-124585-1	TB-ROX-071516R-8011	99
400-124585-3	ROST4PZC-ROX-071516	71
400-124585-4	MW22-ROX-071516-EB	93
LCS 400-315512/2-A	Lab Control Sample	100
LCSD 400-315512/3-A	Lab Control Sample Dup	96
MB 400-315512/1-A	Method Blank	102

Surrogate Legend

BFB = 4-Bromofluorobenzene

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)
400-124585-5	MW22-ROX-071516	105
400-124585-6	MW22-ROX-071516-DUP	94
LCS 400-315511/2-A	Lab Control Sample	88
LCSD 400-315511/3-A	Lab Control Sample Dup	101
MB 400-315511/1-A	Method Blank	88

Surrogate Legend

BFB = 4-Bromofluorobenzene

Method Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 3Q16

TestAmerica Job ID: 400-124585-1
SDG: 60477387 - 1.03.003/1.03.0033

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 - 3Q16

TestAmerica Job ID: 400-124585-1
SDG: 60477387 - 1.03.003/1.03.0033

Client Sample ID: TB-ROX-071516R-8011

Lab Sample ID: 400-124585-1
Matrix: Water

Date Collected: 07/15/16 00:00
Date Received: 07/16/16 09:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			34.3 mL	35 mL	315512	07/24/16 10:51	AM	TAL PEN
Total/NA	Analysis	8011		1			315812	07/25/16 18:04	AM	TAL PEN

Client Sample ID: TB-ROX-071516R-8260

Lab Sample ID: 400-124585-2
Matrix: Water

Date Collected: 07/15/16 00:00
Date Received: 07/16/16 09:14

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	315486	07/23/16 20:59	HLW	TAL PEN

Client Sample ID: ROST4PZC-ROX-071516

Lab Sample ID: 400-124585-3
Matrix: Water

Date Collected: 07/15/16 09:30
Date Received: 07/16/16 09:14

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	315486	07/23/16 23:35	HLW	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	315364	07/22/16 10:08	RMC	TAL PEN
Total/NA	Analysis	8270D		1	0.4 mL	1.0 mL	315904	07/27/16 18:05	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	315364	07/22/16 10:08	RMC	TAL PEN
Total/NA	Analysis	8270D LL		1			315643	07/25/16 22:00	VC1	TAL PEN
Total/NA	Prep	8011			34.1 mL	35 mL	315512	07/24/16 10:51	AM	TAL PEN
Total/NA	Analysis	8011		1			315812	07/25/16 18:34	AM	TAL PEN

Client Sample ID: MW22-ROX-071516-EB

Lab Sample ID: 400-124585-4
Matrix: Water

Date Collected: 07/15/16 10:05
Date Received: 07/16/16 09:14

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	315486	07/23/16 21:25	HLW	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	315364	07/22/16 10:08	RMC	TAL PEN
Total/NA	Analysis	8270D		1			315904	07/27/16 18:35	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	315364	07/22/16 10:08	RMC	TAL PEN
Total/NA	Analysis	8270D LL		1			315643	07/25/16 22:25	VC1	TAL PEN
Total/NA	Prep	8011			36.8 mL	35 mL	315512	07/24/16 10:51	AM	TAL PEN
Total/NA	Analysis	8011		1			315812	07/25/16 19:04	AM	TAL PEN

Client Sample ID: MW22-ROX-071516

Lab Sample ID: 400-124585-5
Matrix: Water

Date Collected: 07/15/16 10:55
Date Received: 07/16/16 09:14

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	315486	07/24/16 00:53	HLW	TAL PEN

Lab Chronicle

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 3Q16

TestAmerica Job ID: 400-124585-1
SDG: 60477387 - 1.03.003/1.03.0033

Client Sample ID: MW22-ROX-071516

Lab Sample ID: 400-124585-5
Matrix: Water

Date Collected: 07/15/16 10:55
Date Received: 07/16/16 09:14

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	315364	07/22/16 10:08	RMC	TAL PEN
Total/NA	Analysis	8270D		1			315904	07/27/16 19:05	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	315364	07/22/16 10:08	RMC	TAL PEN
Total/NA	Analysis	8270D LL		1			315643	07/25/16 22:51	VC1	TAL PEN
Total/NA	Prep	8011			34.4 mL	35 mL	315511	07/24/16 10:44	AM	TAL PEN
Total/NA	Analysis	8011		1			315814	07/25/16 23:03	AM	TAL PEN

Client Sample ID: MW22-ROX-071516-DUP

Lab Sample ID: 400-124585-6
Matrix: Water

Date Collected: 07/15/16 10:55
Date Received: 07/16/16 09:14

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	315486	07/24/16 01:18	HLW	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	315364	07/22/16 10:08	RMC	TAL PEN
Total/NA	Analysis	8270D		1			315904	07/27/16 19:35	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	315364	07/22/16 10:08	RMC	TAL PEN
Total/NA	Analysis	8270D LL		1			315643	07/25/16 23:17	VC1	TAL PEN
Total/NA	Prep	8011			35.4 mL	35 mL	315511	07/24/16 10:44	AM	TAL PEN
Total/NA	Analysis	8011		1			315814	07/25/16 23:33	AM	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-315364/1-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	315364	07/22/16 10:08	RMC	TAL PEN
Total/NA	Analysis	8270D		1			315904	07/27/16 14:03	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	315364	07/22/16 10:08	RMC	TAL PEN
Total/NA	Analysis	8270D LL		1			315719	07/26/16 12:50	VC1	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-315486/4
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	315486	07/23/16 16:39	HLW	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-315511/1-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	315511	07/24/16 10:44	AM	TAL PEN

Client Sample ID: Method Blank — Lab Sample ID: MB 400-315511/1-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	Analysis	8011		1			315814	07/25/16 21:33	AM	TAL PEN

Client Sample ID: Method Blank — Lab Sample ID: MB 400-315512/1-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	315512	07/24/16 10:51	AM	TAL PEN
Total/NA	Analysis	8011		1			315812	07/25/16 09:35	AM	TAL PEN

Client Sample ID: Lab Control Sample — Lab Sample ID: LCS 400-315364/2-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	315364	07/22/16 10:08	RMC	TAL PEN
Total/NA	Analysis	8270D		1			315904	07/27/16 14:33	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	315364	07/22/16 10:08	RMC	TAL PEN
Total/NA	Analysis	8270D LL		5			315643	07/25/16 19:52	VC1	TAL PEN

Client Sample ID: Lab Control Sample — Lab Sample ID: LCS 400-315364/4-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	315364	07/22/16 10:08	RMC	TAL PEN
Total/NA	Analysis	8270D		1			315904	07/27/16 15:34	MAM	TAL PEN

Client Sample ID: Lab Control Sample — Lab Sample ID: LCS 400-315486/1002

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	315486	07/23/16 15:31	HLW	TAL PEN

Client Sample ID: Lab Control Sample — Lab Sample ID: LCS 400-315511/2-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	8011			35 mL	35 mL	315511	07/24/16 10:44	AM	TAL PEN
Total/NA	Analysis	8011		1			315814	07/25/16 22:03	AM	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-315512/2-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	315512	07/24/16 10:51	AM	TAL PEN
Total/NA	Analysis	8011		1			315812	07/25/16 10:04	AM	TAL PEN

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-315364/3-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	315364	07/22/16 10:08	RMC	TAL PEN
Total/NA	Analysis	8270D		1			315904	07/27/16 15:03	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	315364	07/22/16 10:08	RMC	TAL PEN
Total/NA	Analysis	8270D LL		5			315643	07/25/16 20:17	VC1	TAL PEN

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-315364/5-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	315364	07/22/16 10:08	RMC	TAL PEN
Total/NA	Analysis	8270D		1			315904	07/27/16 16:04	MAM	TAL PEN

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-315511/3-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	315511	07/24/16 10:44	AM	TAL PEN
Total/NA	Analysis	8011		1			315814	07/25/16 22:33	AM	TAL PEN

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-315512/3-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	315512	07/24/16 10:51	AM	TAL PEN
Total/NA	Analysis	8011		1			315812	07/25/16 10:34	AM	TAL PEN

Client Sample ID: Matrix Spike

Lab Sample ID: 400-124559-E-3 MS
Matrix: Water

Date Collected: 07/14/16 09:35
Date Received: 07/15/16 15:08

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	315486	07/23/16 18:49	HLW	TAL PEN

Client Sample ID: Matrix Spike Duplicate

Date Collected: 07/14/16 09:35
Date Received: 07/15/16 15:08

Lab Sample ID: 400-124559-E-3 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	315486	07/23/16 19:15	HLW	TAL PEN

Laboratory References:

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

GC/MS VOA

Analysis Batch: 315486

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124585-2	TB-ROX-071516R-8260	Total/NA	Water	8260B	
400-124585-3	ROST4PZC-ROX-071516	Total/NA	Water	8260B	
400-124585-4	MW22-ROX-071516-EB	Total/NA	Water	8260B	
400-124585-5	MW22-ROX-071516	Total/NA	Water	8260B	
400-124585-6	MW22-ROX-071516-DUP	Total/NA	Water	8260B	
MB 400-315486/4	Method Blank	Total/NA	Water	8260B	
LCS 400-315486/1002	Lab Control Sample	Total/NA	Water	8260B	
400-124559-E-3 MS	Matrix Spike	Total/NA	Water	8260B	
400-124559-E-3 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 315364

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124585-3	ROST4PZC-ROX-071516	Total/NA	Water	3520C	
400-124585-4	MW22-ROX-071516-EB	Total/NA	Water	3520C	
400-124585-5	MW22-ROX-071516	Total/NA	Water	3520C	
400-124585-6	MW22-ROX-071516-DUP	Total/NA	Water	3520C	
MB 400-315364/1-A	Method Blank	Total/NA	Water	3520C	
LCS 400-315364/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCS 400-315364/4-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 400-315364/3-A	Lab Control Sample Dup	Total/NA	Water	3520C	
LCSD 400-315364/5-A	Lab Control Sample Dup	Total/NA	Water	3520C	

Analysis Batch: 315643

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124585-3	ROST4PZC-ROX-071516	Total/NA	Water	8270D LL	315364
400-124585-4	MW22-ROX-071516-EB	Total/NA	Water	8270D LL	315364
400-124585-5	MW22-ROX-071516	Total/NA	Water	8270D LL	315364
400-124585-6	MW22-ROX-071516-DUP	Total/NA	Water	8270D LL	315364
LCS 400-315364/2-A	Lab Control Sample	Total/NA	Water	8270D LL	315364
LCSD 400-315364/3-A	Lab Control Sample Dup	Total/NA	Water	8270D LL	315364

Analysis Batch: 315719

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-315364/1-A	Method Blank	Total/NA	Water	8270D LL	315364

Analysis Batch: 315904

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124585-3	ROST4PZC-ROX-071516	Total/NA	Water	8270D	315364
400-124585-4	MW22-ROX-071516-EB	Total/NA	Water	8270D	315364
400-124585-5	MW22-ROX-071516	Total/NA	Water	8270D	315364
400-124585-6	MW22-ROX-071516-DUP	Total/NA	Water	8270D	315364
MB 400-315364/1-A	Method Blank	Total/NA	Water	8270D	315364
LCS 400-315364/2-A	Lab Control Sample	Total/NA	Water	8270D	315364
LCS 400-315364/4-A	Lab Control Sample	Total/NA	Water	8270D	315364
LCSD 400-315364/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	315364
LCSD 400-315364/5-A	Lab Control Sample Dup	Total/NA	Water	8270D	315364

GC Semi VOA

Prep Batch: 315511

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124585-5	MW22-ROX-071516	Total/NA	Water	8011	
400-124585-6	MW22-ROX-071516-DUP	Total/NA	Water	8011	
MB 400-315511/1-A	Method Blank	Total/NA	Water	8011	
LCS 400-315511/2-A	Lab Control Sample	Total/NA	Water	8011	
LCSD 400-315511/3-A	Lab Control Sample Dup	Total/NA	Water	8011	

Prep Batch: 315512

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124585-1	TB-ROX-071516R-8011	Total/NA	Water	8011	
400-124585-3	ROST4PZC-ROX-071516	Total/NA	Water	8011	
400-124585-4	MW22-ROX-071516-EB	Total/NA	Water	8011	
MB 400-315512/1-A	Method Blank	Total/NA	Water	8011	
LCS 400-315512/2-A	Lab Control Sample	Total/NA	Water	8011	
LCSD 400-315512/3-A	Lab Control Sample Dup	Total/NA	Water	8011	

Analysis Batch: 315812

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124585-1	TB-ROX-071516R-8011	Total/NA	Water	8011	315512
400-124585-3	ROST4PZC-ROX-071516	Total/NA	Water	8011	315512
400-124585-4	MW22-ROX-071516-EB	Total/NA	Water	8011	315512
MB 400-315512/1-A	Method Blank	Total/NA	Water	8011	315512
LCS 400-315512/2-A	Lab Control Sample	Total/NA	Water	8011	315512
LCSD 400-315512/3-A	Lab Control Sample Dup	Total/NA	Water	8011	315512

Analysis Batch: 315814

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124585-5	MW22-ROX-071516	Total/NA	Water	8011	315511
400-124585-6	MW22-ROX-071516-DUP	Total/NA	Water	8011	315511
MB 400-315511/1-A	Method Blank	Total/NA	Water	8011	315511
LCS 400-315511/2-A	Lab Control Sample	Total/NA	Water	8011	315511
LCSD 400-315511/3-A	Lab Control Sample Dup	Total/NA	Water	8011	315511

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

Lab Sample ID: MB 400-315486/4
Matrix: Water
Analysis Batch: 315486

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			07/23/16 16:39	1
Acrolein	ND		20	10	ug/L			07/23/16 16:39	1
Acrylonitrile	ND		10	2.8	ug/L			07/23/16 16:39	1
Benzene	ND		1.0	0.38	ug/L			07/23/16 16:39	1
Bromobenzene	ND		1.0	0.54	ug/L			07/23/16 16:39	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/23/16 16:39	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/23/16 16:39	1
Bromoform	ND		5.0	0.71	ug/L			07/23/16 16:39	1
Bromomethane	ND		1.0	0.98	ug/L			07/23/16 16:39	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/23/16 16:39	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/23/16 16:39	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			07/23/16 16:39	1
Chlorobenzene	ND		1.0	0.50	ug/L			07/23/16 16:39	1
Dibromochloromethane	ND		1.0	0.50	ug/L			07/23/16 16:39	1
Chloroethane	ND		1.0	0.76	ug/L			07/23/16 16:39	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/23/16 16:39	1
Chloroform	ND		1.0	0.60	ug/L			07/23/16 16:39	1
1-Chlorohexane	ND		1.0	0.70	ug/L			07/23/16 16:39	1
Chloromethane	ND		1.0	0.83	ug/L			07/23/16 16:39	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/23/16 16:39	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/23/16 16:39	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/23/16 16:39	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/23/16 16:39	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/23/16 16:39	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/23/16 16:39	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/23/16 16:39	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			07/23/16 16:39	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/23/16 16:39	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/23/16 16:39	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/23/16 16:39	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/23/16 16:39	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			07/23/16 16:39	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/23/16 16:39	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/23/16 16:39	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/23/16 16:39	1
2-Hexanone	ND		25	3.1	ug/L			07/23/16 16:39	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/23/16 16:39	1
Methylene bromide	ND		5.0	0.59	ug/L			07/23/16 16:39	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/23/16 16:39	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/23/16 16:39	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			07/23/16 16:39	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			07/23/16 16:39	1
Naphthalene	ND		1.0	1.0	ug/L			07/23/16 16:39	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/23/16 16:39	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/23/16 16:39	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/23/16 16:39	1
o-Xylene	ND		5.0	0.60	ug/L			07/23/16 16:39	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/23/16 16:39	1

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

Lab Sample ID: MB 400-315486/4
Matrix: Water
Analysis Batch: 315486

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			07/23/16 16:39	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/23/16 16:39	1
Styrene	ND		1.0	1.0	ug/L			07/23/16 16:39	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/23/16 16:39	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			07/23/16 16:39	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/23/16 16:39	1
Tetrachloroethene	ND		1.0	0.58	ug/L			07/23/16 16:39	1
Toluene	ND		1.0	0.70	ug/L			07/23/16 16:39	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/23/16 16:39	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/23/16 16:39	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			07/23/16 16:39	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/23/16 16:39	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			07/23/16 16:39	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			07/23/16 16:39	1
Trichloroethene	ND		1.0	0.50	ug/L			07/23/16 16:39	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			07/23/16 16:39	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/23/16 16:39	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/23/16 16:39	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/23/16 16:39	1
Vinyl acetate	ND		25	2.0	ug/L			07/23/16 16:39	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/23/16 16:39	1
Xylenes, Total	ND		10	1.6	ug/L			07/23/16 16:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*78 - 118*		*07/23/16 16:39*	*1*
Dibromofluoromethane	*103*		*81 - 121*		*07/23/16 16:39*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*07/23/16 16:39*	*1*

Lab Sample ID: LCS 400-315486/1002
Matrix: Water
Analysis Batch: 315486

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	200	199		ug/L		100	43 - 160
Acrolein	400	420		ug/L		105	38 - 160
Acrylonitrile	500	522		ug/L		104	64 - 142
Benzene	50.0	49.0		ug/L		98	70 - 130
Bromobenzene	50.0	52.1		ug/L		104	70 - 132
Bromochloromethane	50.0	47.0		ug/L		94	70 - 130
Bromodichloromethane	50.0	49.7		ug/L		99	67 - 133
Bromoform	50.0	51.4		ug/L		103	57 - 140
Bromomethane	40.0	29.6		ug/L		74	10 - 160
2-Butanone (MEK)	200	205		ug/L		102	61 - 145
Carbon disulfide	50.0	48.1		ug/L		96	61 - 137
Carbon tetrachloride	50.0	46.8		ug/L		94	61 - 137
Chlorobenzene	50.0	52.1		ug/L		104	70 - 130
Dibromochloromethane	50.0	50.8		ug/L		102	67 - 135
Chloroethane	40.0	38.7		ug/L		97	55 - 141

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

Lab Sample ID: LCS 400-315486/1002
Matrix: Water
Analysis Batch: 315486

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	116	*	ug/L		289	10 - 160
Chloroform	50.0	47.0		ug/L		94	69 - 130
1-Chlorohexane	50.0	51.2		ug/L		102	69 - 130
Chloromethane	40.0	40.2		ug/L		100	58 - 137
cis-1,2-Dichloroethene	50.0	47.9		ug/L		96	68 - 130
cis-1,3-Dichloropropene	50.0	49.9		ug/L		100	69 - 132
1,2-Dichlorobenzene	50.0	51.8		ug/L		104	67 - 130
1,3-Dichlorobenzene	50.0	52.2		ug/L		104	70 - 130
1,4-Dichlorobenzene	50.0	54.0		ug/L		108	70 - 130
Dichlorodifluoromethane	40.0	36.0		ug/L		90	41 - 146
1,1-Dichloroethane	50.0	49.2		ug/L		98	70 - 130
1,2-Dichloroethane	50.0	47.8		ug/L		96	69 - 130
1,1-Dichloroethene	50.0	47.7		ug/L		95	63 - 134
1,2-Dichloropropane	50.0	47.4		ug/L		95	70 - 130
1,3-Dichloropropane	50.0	50.4		ug/L		101	70 - 130
2,2-Dichloropropane	50.0	46.6		ug/L		93	52 - 135
1,1-Dichloropropene	50.0	49.3		ug/L		99	70 - 130
Ethylbenzene	50.0	50.6		ug/L		101	70 - 130
Ethyl methacrylate	50.0	51.5		ug/L		103	68 - 130
Hexachlorobutadiene	50.0	54.4		ug/L		109	53 - 140
2-Hexanone	200	213		ug/L		106	65 - 137
Isopropylbenzene	50.0	51.8		ug/L		104	70 - 130
Methylene bromide	50.0	49.1		ug/L		98	70 - 130
Methylene Chloride	50.0	47.7		ug/L		95	66 - 135
4-Methyl-2-pentanone (MIBK)	200	214		ug/L		107	69 - 138
Methyl tert-butyl ether	50.0	48.2		ug/L		96	66 - 130
m-Xylene & p-Xylene	50.0	51.0		ug/L		102	70 - 130
Naphthalene	50.0	53.1		ug/L		106	47 - 149
n-Butylbenzene	50.0	51.7		ug/L		103	67 - 130
N-Propylbenzene	50.0	50.0		ug/L		100	70 - 130
o-Chlorotoluene	50.0	48.9		ug/L		98	70 - 130
o-Xylene	50.0	50.9		ug/L		102	70 - 130
p-Chlorotoluene	50.0	51.3		ug/L		103	70 - 130
p-Isopropyltoluene	50.0	51.3		ug/L		103	65 - 130
sec-Butylbenzene	50.0	50.1		ug/L		100	66 - 130
Styrene	50.0	50.6		ug/L		101	70 - 130
tert-Butylbenzene	50.0	52.3		ug/L		105	64 - 139
1,1,1,2-Tetrachloroethane	50.0	51.2		ug/L		102	67 - 131
1,1,2,2-Tetrachloroethane	50.0	55.2		ug/L		110	70 - 131
Tetrachloroethene	50.0	50.4		ug/L		101	65 - 130
Toluene	50.0	50.4		ug/L		101	70 - 130
trans-1,2-Dichloroethene	50.0	47.7		ug/L		95	70 - 130
trans-1,3-Dichloropropene	50.0	50.8		ug/L		102	63 - 130
1,2,3-Trichlorobenzene	50.0	54.7		ug/L		109	60 - 138
1,2,4-Trichlorobenzene	50.0	56.1		ug/L		112	60 - 140
1,1,1-Trichloroethane	50.0	48.5		ug/L		97	68 - 130
1,1,2-Trichloroethane	50.0	50.9		ug/L		102	70 - 130
Trichloroethene	50.0	50.7		ug/L		101	70 - 130

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

Lab Sample ID: LCS 400-315486/1002
Matrix: Water
Analysis Batch: 315486

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	38.8		ug/L		97	65 - 138
1,2,3-Trichloropropane	50.0	50.7		ug/L		101	70 - 130
1,2,4-Trimethylbenzene	50.0	48.5		ug/L		97	70 - 130
1,3,5-Trimethylbenzene	50.0	52.2		ug/L		104	69 - 130
Vinyl acetate	80.0	82.1		ug/L		103	26 - 160
Vinyl chloride	40.0	40.5		ug/L		101	59 - 136
Xylenes, Total	100	102		ug/L		102	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*103*		*78 - 118*
Dibromofluoromethane	*100*		*81 - 121*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: 400-124559-E-3 MS
Matrix: Water
Analysis Batch: 315486

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		200	183		ug/L		92	43 - 160
Acrolein	ND		400	476		ug/L		119	38 - 160
Acrylonitrile	ND		500	583		ug/L		117	62 - 149
Benzene	9.8		50.0	60.2		ug/L		101	56 - 142
Bromobenzene	ND		50.0	52.8		ug/L		106	59 - 136
Bromochloromethane	ND		50.0	50.9		ug/L		102	64 - 140
Bromodichloromethane	ND		50.0	51.8		ug/L		104	59 - 143
Bromoform	ND		50.0	53.4		ug/L		107	50 - 140
Bromomethane	ND		40.0	34.0		ug/L		85	10 - 160
2-Butanone (MEK)	ND		200	221		ug/L		110	55 - 150
Carbon disulfide	ND		50.0	51.0		ug/L		102	48 - 152
Carbon tetrachloride	ND		50.0	49.0		ug/L		98	55 - 145
Chlorobenzene	ND		50.0	55.6		ug/L		111	64 - 130
Dibromochloromethane	ND		50.0	52.9		ug/L		106	56 - 143
Chloroethane	ND		40.0	43.0		ug/L		108	50 - 151
2-Chloroethyl vinyl ether	ND	F1 *	40.0	ND	F1	ug/L		0	10 - 160
Chloroform	ND		50.0	51.0		ug/L		102	60 - 141
1-Chlorohexane	ND		50.0	53.6		ug/L		107	56 - 136
Chloromethane	ND		40.0	41.0		ug/L		103	49 - 148
cis-1,2-Dichloroethene	ND		50.0	51.4		ug/L		103	59 - 143
cis-1,3-Dichloropropene	ND		50.0	52.6		ug/L		105	57 - 140
1,2-Dichlorobenzene	ND		50.0	53.3		ug/L		107	52 - 137
1,3-Dichlorobenzene	ND		50.0	52.6		ug/L		105	54 - 135
1,4-Dichlorobenzene	ND		50.0	53.9		ug/L		108	53 - 135
Dichlorodifluoromethane	ND		40.0	35.0		ug/L		88	16 - 160
1,1-Dichloroethane	ND		50.0	52.3		ug/L		105	61 - 144
1,2-Dichloroethane	ND		50.0	52.0		ug/L		104	60 - 141
1,1-Dichloroethene	ND		50.0	50.7		ug/L		101	54 - 147
1,2-Dichloropropane	ND		50.0	50.2		ug/L		100	66 - 137
1,3-Dichloropropane	ND		50.0	54.6		ug/L		109	66 - 133

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

Lab Sample ID: 400-124559-E-3 MS
Matrix: Water
Analysis Batch: 315486

Client Sample ID: Matrix Spike
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	48.4		ug/L		97	42 - 144
1,1-Dichloropropene	ND		50.0	51.7		ug/L		103	65 - 136
Ethylbenzene	ND		50.0	53.7		ug/L		107	58 - 131
Ethyl methacrylate	ND		50.0	56.0		ug/L		112	64 - 130
Hexachlorobutadiene	ND		50.0	51.0		ug/L		102	31 - 149
2-Hexanone	ND		200	233		ug/L		117	65 - 140
Isopropylbenzene	ND		50.0	54.6		ug/L		109	56 - 133
Methylene bromide	ND		50.0	52.3		ug/L		105	63 - 138
Methylene Chloride	ND		50.0	51.2		ug/L		102	60 - 146
4-Methyl-2-pentanone (MIBK)	ND		200	236		ug/L		118	63 - 146
Methyl tert-butyl ether	1.1		50.0	52.8		ug/L		103	59 - 137
m-Xylene & p-Xylene	ND		50.0	54.7		ug/L		109	57 - 130
Naphthalene	ND		50.0	54.2		ug/L		108	25 - 160
n-Butylbenzene	ND		50.0	50.0		ug/L		100	41 - 142
N-Propylbenzene	ND		50.0	50.3		ug/L		101	51 - 138
o-Chlorotoluene	ND		50.0	48.2		ug/L		96	53 - 134
o-Xylene	ND		50.0	54.2		ug/L		108	61 - 130
p-Chlorotoluene	ND		50.0	50.9		ug/L		102	54 - 133
p-Isopropyltoluene	ND		50.0	50.4		ug/L		101	48 - 139
sec-Butylbenzene	ND		50.0	49.8		ug/L		100	50 - 138
Styrene	ND		50.0	53.3		ug/L		107	58 - 131
tert-Butylbenzene	ND		50.0	53.4		ug/L		107	54 - 146
1,1,1,2-Tetrachloroethane	ND		50.0	53.9		ug/L		108	59 - 137
1,1,2,2-Tetrachloroethane	ND		50.0	56.6		ug/L		113	66 - 135
Tetrachloroethene	ND		50.0	52.0		ug/L		104	52 - 133
Toluene	1.3		50.0	55.0		ug/L		107	65 - 130
trans-1,2-Dichloroethene	ND		50.0	50.1		ug/L		100	61 - 143
trans-1,3-Dichloropropene	ND		50.0	53.5		ug/L		107	53 - 133
1,2,3-Trichlorobenzene	ND		50.0	54.0		ug/L		108	43 - 145
1,2,4-Trichlorobenzene	ND		50.0	53.9		ug/L		108	39 - 148
1,1,1-Trichloroethane	ND		50.0	52.5		ug/L		105	57 - 142
1,1,2-Trichloroethane	ND		50.0	56.2		ug/L		112	66 - 131
Trichloroethene	ND		50.0	53.1		ug/L		106	64 - 136
Trichlorofluoromethane	ND		40.0	43.7		ug/L		109	54 - 156
1,2,3-Trichloropropane	ND		50.0	55.9		ug/L		112	65 - 133
1,2,4-Trimethylbenzene	ND		50.0	49.7		ug/L		99	50 - 139
1,3,5-Trimethylbenzene	ND		50.0	53.0		ug/L		106	52 - 135
Vinyl acetate	ND		80.0	88.3		ug/L		110	26 - 160
Vinyl chloride	ND		40.0	41.9		ug/L		105	46 - 152
Xylenes, Total	1.7	J	100	109		ug/L		107	59 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*78 - 118*
Dibromofluoromethane	*99*		*81 - 121*
Toluene-d8 (Surr)	*101*		*80 - 120*

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

Lab Sample ID: 400-124559-E-3 MSD
Matrix: Water
Analysis Batch: 315486

Client Sample ID: Matrix Spike Duplicate
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	168		ug/L		84	43 - 160	9	30
Acrolein	ND		400	433		ug/L		108	38 - 160	9	31
Acrylonitrile	ND		500	534		ug/L		107	62 - 149	9	30
Benzene	9.8		50.0	58.1		ug/L		96	56 - 142	4	30
Bromobenzene	ND		50.0	50.4		ug/L		101	59 - 136	5	30
Bromochloromethane	ND		50.0	48.0		ug/L		96	64 - 140	6	30
Bromodichloromethane	ND		50.0	49.9		ug/L		100	59 - 143	4	30
Bromoform	ND		50.0	49.8		ug/L		100	50 - 140	7	30
Bromomethane	ND		40.0	31.3		ug/L		78	10 - 160	8	50
2-Butanone (MEK)	ND		200	200		ug/L		100	55 - 150	10	30
Carbon disulfide	ND		50.0	48.5		ug/L		97	48 - 152	5	30
Carbon tetrachloride	ND		50.0	47.2		ug/L		94	55 - 145	4	30
Chlorobenzene	ND		50.0	52.1		ug/L		104	64 - 130	6	30
Dibromochloromethane	ND		50.0	49.5		ug/L		99	56 - 143	7	30
Chloroethane	ND		40.0	40.4		ug/L		101	50 - 151	6	30
2-Chloroethyl vinyl ether	ND	F1 *	40.0	ND	F1	ug/L		0	10 - 160	NC	50
Chloroform	ND		50.0	48.4		ug/L		97	60 - 141	5	30
1-Chlorohexane	ND		50.0	51.1		ug/L		102	56 - 136	5	30
Chloromethane	ND		40.0	38.5		ug/L		96	49 - 148	6	31
cis-1,2-Dichloroethene	ND		50.0	49.1		ug/L		98	59 - 143	5	30
cis-1,3-Dichloropropene	ND		50.0	49.4		ug/L		99	57 - 140	6	30
1,2-Dichlorobenzene	ND		50.0	51.3		ug/L		103	52 - 137	4	30
1,3-Dichlorobenzene	ND		50.0	50.5		ug/L		101	54 - 135	4	30
1,4-Dichlorobenzene	ND		50.0	52.6		ug/L		105	53 - 135	3	30
Dichlorodifluoromethane	ND		40.0	33.1		ug/L		83	16 - 160	6	31
1,1-Dichloroethane	ND		50.0	49.7		ug/L		99	61 - 144	5	30
1,2-Dichloroethane	ND		50.0	48.3		ug/L		97	60 - 141	7	30
1,1-Dichloroethene	ND		50.0	48.0		ug/L		96	54 - 147	5	30
1,2-Dichloropropane	ND		50.0	48.2		ug/L		96	66 - 137	4	30
1,3-Dichloropropane	ND		50.0	51.3		ug/L		103	66 - 133	6	30
2,2-Dichloropropane	ND		50.0	45.8		ug/L		92	42 - 144	6	31
1,1-Dichloropropene	ND		50.0	49.6		ug/L		99	65 - 136	4	30
Ethylbenzene	ND		50.0	51.2		ug/L		102	58 - 131	5	30
Ethyl methacrylate	ND		50.0	51.7		ug/L		103	64 - 130	8	30
Hexachlorobutadiene	ND		50.0	51.3		ug/L		103	31 - 149	1	36
2-Hexanone	ND		200	212		ug/L		106	65 - 140	10	30
Isopropylbenzene	ND		50.0	51.8		ug/L		104	56 - 133	5	30
Methylene bromide	ND		50.0	49.5		ug/L		99	63 - 138	6	30
Methylene Chloride	ND		50.0	48.2		ug/L		96	60 - 146	6	32
4-Methyl-2-pentanone (MIBK)	ND		200	217		ug/L		109	63 - 146	8	30
Methyl tert-butyl ether	1.1		50.0	49.5		ug/L		97	59 - 137	7	30
m-Xylene & p-Xylene	ND		50.0	51.8		ug/L		104	57 - 130	5	30
Naphthalene	ND		50.0	52.3		ug/L		105	25 - 160	4	30
n-Butylbenzene	ND		50.0	50.0		ug/L		100	41 - 142	0	31
N-Propylbenzene	ND		50.0	48.7		ug/L		97	51 - 138	3	30
o-Chlorotoluene	ND		50.0	46.2		ug/L		92	53 - 134	4	30
o-Xylene	ND		50.0	51.4		ug/L		103	61 - 130	5	30
p-Chlorotoluene	ND		50.0	49.4		ug/L		99	54 - 133	3	30

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

Lab Sample ID: 400-124559-E-3 MSD
Matrix: Water
Analysis Batch: 315486

Client Sample ID: Matrix Spike Duplicate
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	50.0		ug/L		100	48 - 139	1	30
sec-Butylbenzene	ND		50.0	48.4		ug/L		97	50 - 138	3	30
Styrene	ND		50.0	50.2		ug/L		100	58 - 131	6	30
tert-Butylbenzene	ND		50.0	51.8		ug/L		104	54 - 146	3	30
1,1,1,2-Tetrachloroethane	ND		50.0	50.3		ug/L		101	59 - 137	7	30
1,1,2,2-Tetrachloroethane	ND		50.0	52.9		ug/L		106	66 - 135	7	30
Tetrachloroethene	ND		50.0	49.5		ug/L		99	52 - 133	5	30
Toluene	1.3		50.0	51.9		ug/L		101	65 - 130	6	30
trans-1,2-Dichloroethene	ND		50.0	48.0		ug/L		96	61 - 143	4	30
trans-1,3-Dichloropropene	ND		50.0	50.1		ug/L		100	53 - 133	7	30
1,2,3-Trichlorobenzene	ND		50.0	53.8		ug/L		108	43 - 145	1	30
1,2,4-Trichlorobenzene	ND		50.0	53.2		ug/L		106	39 - 148	1	30
1,1,1-Trichloroethane	ND		50.0	49.5		ug/L		99	57 - 142	6	30
1,1,2-Trichloroethane	ND		50.0	51.6		ug/L		103	66 - 131	9	30
Trichloroethene	ND		50.0	50.6		ug/L		101	64 - 136	5	30
Trichlorofluoromethane	ND		40.0	40.1		ug/L		100	54 - 156	9	30
1,2,3-Trichloropropane	ND		50.0	51.8		ug/L		104	65 - 133	8	30
1,2,4-Trimethylbenzene	ND		50.0	48.0		ug/L		96	50 - 139	3	30
1,3,5-Trimethylbenzene	ND		50.0	51.3		ug/L		103	52 - 135	3	30
Vinyl acetate	ND		80.0	82.2		ug/L		103	26 - 160	7	33
Vinyl chloride	ND		40.0	39.7		ug/L		99	46 - 152	6	30
Xylenes, Total	1.7	J	100	103		ug/L		102	59 - 130	5	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*78 - 118*
Dibromofluoromethane	*101*		*81 - 121*
Toluene-d8 (Surr)	*99*		*80 - 120*

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

Lab Sample ID: MB 400-315364/1-A
Matrix: Water
Analysis Batch: 315904

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 315364

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		07/22/16 10:08	07/27/16 14:03	1
Benzenethiol	ND		10	1.7	ug/L		07/22/16 10:08	07/27/16 14:03	1
Benzoic acid	ND		30	7.3	ug/L		07/22/16 10:08	07/27/16 14:03	1
Benzyl alcohol	ND		10	2.0	ug/L		07/22/16 10:08	07/27/16 14:03	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		07/22/16 10:08	07/27/16 14:03	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		07/22/16 10:08	07/27/16 14:03	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		07/22/16 10:08	07/27/16 14:03	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		07/22/16 10:08	07/27/16 14:03	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		07/22/16 10:08	07/27/16 14:03	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		07/22/16 10:08	07/27/16 14:03	1
4-Chloroaniline	ND		10	3.4	ug/L		07/22/16 10:08	07/27/16 14:03	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		07/22/16 10:08	07/27/16 14:03	1
2-Chloronaphthalene	ND		10	0.52	ug/L		07/22/16 10:08	07/27/16 14:03	1

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

Lab Sample ID: MB 400-315364/1-A
Matrix: Water
Analysis Batch: 315904

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 315364

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorophenol	ND		10	2.2	ug/L		07/22/16 10:08	07/27/16 14:03	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		07/22/16 10:08	07/27/16 14:03	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		07/22/16 10:08	07/27/16 14:03	1
Dibenzofuran	ND		10	0.52	ug/L		07/22/16 10:08	07/27/16 14:03	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		07/22/16 10:08	07/27/16 14:03	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		07/22/16 10:08	07/27/16 14:03	1
Diethyl phthalate	ND		10	0.70	ug/L		07/22/16 10:08	07/27/16 14:03	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		07/22/16 10:08	07/27/16 14:03	1
Dimethyl phthalate	ND		10	0.60	ug/L		07/22/16 10:08	07/27/16 14:03	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		07/22/16 10:08	07/27/16 14:03	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/22/16 10:08	07/27/16 14:03	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		07/22/16 10:08	07/27/16 14:03	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		07/22/16 10:08	07/27/16 14:03	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		07/22/16 10:08	07/27/16 14:03	1
Di-n-octyl phthalate	0.882	J	10	0.44	ug/L		07/22/16 10:08	07/27/16 14:03	1
1,4-Dioxane	ND		10	1.0	ug/L		07/22/16 10:08	07/27/16 14:03	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		07/22/16 10:08	07/27/16 14:03	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/22/16 10:08	07/27/16 14:03	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		07/22/16 10:08	07/27/16 14:03	1
Hexachloroethane	ND		10	4.2	ug/L		07/22/16 10:08	07/27/16 14:03	1
Indene	ND		10	1.0	ug/L		07/22/16 10:08	07/27/16 14:03	1
Isophorone	ND		10	0.57	ug/L		07/22/16 10:08	07/27/16 14:03	1
2-Methylphenol	ND		10	1.8	ug/L		07/22/16 10:08	07/27/16 14:03	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		07/22/16 10:08	07/27/16 14:03	1
2-Nitroaniline	ND		10	2.2	ug/L		07/22/16 10:08	07/27/16 14:03	1
3-Nitroaniline	ND		10	1.8	ug/L		07/22/16 10:08	07/27/16 14:03	1
4-Nitroaniline	ND		10	2.5	ug/L		07/22/16 10:08	07/27/16 14:03	1
Nitrobenzene	ND		10	0.55	ug/L		07/22/16 10:08	07/27/16 14:03	1
2-Nitrophenol	ND		10	0.65	ug/L		07/22/16 10:08	07/27/16 14:03	1
4-Nitrophenol	ND		10	2.1	ug/L		07/22/16 10:08	07/27/16 14:03	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		07/22/16 10:08	07/27/16 14:03	1
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		07/22/16 10:08	07/27/16 14:03	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		07/22/16 10:08	07/27/16 14:03	1
Pentachlorophenol	ND		20	1.8	ug/L		07/22/16 10:08	07/27/16 14:03	1
Phenol	ND		10	2.6	ug/L		07/22/16 10:08	07/27/16 14:03	1
Pyridine	ND		10	3.2	ug/L		07/22/16 10:08	07/27/16 14:03	1
Quinoline	ND		10	6.0	ug/L		07/22/16 10:08	07/27/16 14:03	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		07/22/16 10:08	07/27/16 14:03	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		07/22/16 10:08	07/27/16 14:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*82*		*34 - 120*	*07/22/16 10:08*	*07/27/16 14:03*	*1*
2-Fluorophenol	*68*		*10 - 120*	*07/22/16 10:08*	*07/27/16 14:03*	*1*
Nitrobenzene-d5	*83*		*27 - 120*	*07/22/16 10:08*	*07/27/16 14:03*	*1*
Phenol-d5	*80*		*10 - 120*	*07/22/16 10:08*	*07/27/16 14:03*	*1*
Terphenyl-d14	*109*		*53 - 125*	*07/22/16 10:08*	*07/27/16 14:03*	*1*
2,4,6-Tribromophenol	*98*		*15 - 135*	*07/22/16 10:08*	*07/27/16 14:03*	*1*

Lab Sample ID: LCS 400-315364/2-A
Matrix: Water
Analysis Batch: 315904

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 315364

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aniline	30.0	4.64	J	ug/L		15	10 - 145
Benzoic acid	121	91.6		ug/L		76	10 - 120
Benzyl alcohol	30.0	24.4		ug/L		81	51 - 121
Bis(2-chloroethoxy)methane	30.0	22.9		ug/L		76	54 - 123
Bis(2-chloroethyl)ether	30.0	21.2		ug/L		71	47 - 120
bis (2-chloroisopropyl) ether	30.0	20.4		ug/L		68	20 - 142
Bis(2-ethylhexyl) phthalate	30.0	29.8		ug/L		99	62 - 140
4-Bromophenyl phenyl ether	30.0	31.7		ug/L		106	62 - 132
Butyl benzyl phthalate	30.0	29.2		ug/L		97	51 - 150
4-Chloroaniline	30.0	20.2		ug/L		67	32 - 128
4-Chloro-3-methylphenol	30.0	30.0		ug/L		100	47 - 135
2-Chloronaphthalene	30.0	25.6		ug/L		85	24 - 150
2-Chlorophenol	30.0	23.0		ug/L		77	45 - 120
4-Chlorophenyl phenyl ether	30.0	29.2		ug/L		97	61 - 133
Dibenz[a,h]acridine	30.0	31.8		ug/L		106	60 - 131
Dibenzofuran	30.0	27.8		ug/L		93	62 - 124
3,3'-Dichlorobenzidine	40.0	32.3		ug/L		81	16 - 167
2,4-Dichlorophenol	30.0	27.2		ug/L		91	52 - 125
Diethyl phthalate	30.0	30.4		ug/L		101	55 - 140
2,4-Dimethylphenol	30.0	22.3		ug/L		74	52 - 121
Dimethyl phthalate	30.0	28.6		ug/L		95	50 - 133
Di-n-butyl phthalate	30.0	28.6		ug/L		95	59 - 144
4,6-Dinitro-ortho-cresol	60.0	61.1		ug/L		102	46 - 136
2,4-Dinitrophenol	101	104		ug/L		103	22 - 146
2,4-Dinitrotoluene	30.0	29.2		ug/L		97	54 - 141
2,6-Dinitrotoluene	30.0	27.9		ug/L		93	61 - 130
Di-n-octyl phthalate	30.0	29.5		ug/L		98	55 - 140
1,4-Dioxane	30.0	16.3		ug/L		54	10 - 130
1,2-Diphenylhydrazine (as Azobenzene)	30.0	25.3		ug/L		84	55 - 139
Hexachlorobenzene	30.0	33.5		ug/L		112	60 - 138
Hexachlorocyclopentadiene	30.0	15.9	J	ug/L		53	1 - 139
Hexachloroethane	30.0	20.3		ug/L		68	46 - 121
Indene	30.0	22.4		ug/L		75	17 - 141
Isophorone	30.0	24.3		ug/L		81	57 - 122
2-Methylphenol	30.0	24.4		ug/L		81	38 - 121
3 & 4 Methylphenol	30.0	23.2		ug/L		77	43 - 126
2-Nitroaniline	30.0	31.0		ug/L		103	52 - 135
3-Nitroaniline	30.0	23.4		ug/L		78	51 - 128
4-Nitroaniline	30.0	22.1		ug/L		74	38 - 141
Nitrobenzene	30.0	23.2		ug/L		77	52 - 128
2-Nitrophenol	30.0	25.1		ug/L		84	47 - 129
4-Nitrophenol	60.0	47.8		ug/L		80	34 - 137
N-Nitrosodimethylamine	30.0	20.7		ug/L		69	21 - 134
N-Nitrosodi-n-propylamine	30.0	22.0		ug/L		73	41 - 143
N-Nitrosodiphenylamine	30.0	27.2		ug/L		91	10 - 185
Pentachlorophenol	60.0	54.5		ug/L		91	38 - 138
Phenol	30.0	23.3		ug/L		78	37 - 120
Pyridine	30.0	ND	*	ug/L		0.6	10 - 127
Quinoline	30.0	19.2		ug/L		64	10 - 164

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

Lab Sample ID: LCS 400-315364/2-A
Matrix: Water
Analysis Batch: 315904

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 315364

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4,5-Trichlorophenol	30.0	29.1		ug/L		97	53 - 130
2,4,6-Trichlorophenol	30.0	26.2		ug/L		87	52 - 131

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*76*		*34 - 120*
2-Fluorophenol	*71*		*10 - 120*
Nitrobenzene-d5	*74*		*27 - 120*
Phenol-d5	*75*		*10 - 120*
Terphenyl-d14	*104*		*53 - 125*
2,4,6-Tribromophenol	*112*		*15 - 135*

Lab Sample ID: LCS 400-315364/4-A
Matrix: Water
Analysis Batch: 315904

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 315364

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzenethiol	100	5.42	J *	ug/L		5	20 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*86*		*34 - 120*
2-Fluorophenol	*70*		*10 - 120*
Nitrobenzene-d5	*87*		*27 - 120*
Phenol-d5	*82*		*10 - 120*
Terphenyl-d14	*101*		*53 - 125*
2,4,6-Tribromophenol	*102*		*15 - 135*

Lab Sample ID: LCSD 400-315364/3-A
Matrix: Water
Analysis Batch: 315904

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 315364

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aniline	30.0	ND	*	ug/L		9	10 - 145	48	30
Benzoic acid	121	99.7		ug/L		83	10 - 120	8	30
Benzyl alcohol	30.0	26.3		ug/L		88	51 - 121	7	30
Bis(2-chloroethoxy)methane	30.0	25.0		ug/L		83	54 - 123	9	30
Bis(2-chloroethyl)ether	30.0	22.7		ug/L		76	47 - 120	7	30
bis (2-chloroisopropyl) ether	30.0	21.9		ug/L		73	20 - 142	7	30
Bis(2-ethylhexyl) phthalate	30.0	29.0		ug/L		97	62 - 140	3	30
4-Bromophenyl phenyl ether	30.0	31.8		ug/L		106	62 - 132	0	30
Butyl benzyl phthalate	30.0	28.4		ug/L		95	51 - 150	3	30
4-Chloroaniline	30.0	19.0		ug/L		63	32 - 128	6	30
4-Chloro-3-methylphenol	30.0	30.9		ug/L		103	47 - 135	3	30
2-Chloronaphthalene	30.0	27.5		ug/L		92	24 - 150	7	30
2-Chlorophenol	30.0	25.2		ug/L		84	45 - 120	9	30
4-Chlorophenyl phenyl ether	30.0	30.5		ug/L		102	61 - 133	4	30
Dibenz[a,h]acridine	30.0	30.9		ug/L		103	60 - 131	3	30
Dibenzofuran	30.0	28.8		ug/L		96	62 - 124	4	30
3,3'-Dichlorobenzidine	40.0	32.4		ug/L		81	16 - 167	0	30

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

Lab Sample ID: LCSD 400-315364/3-A
Matrix: Water
Analysis Batch: 315904

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 315364

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-Dichlorophenol	30.0	29.2		ug/L		97	52 - 125	7	30
Diethyl phthalate	30.0	30.0		ug/L		100	55 - 140	1	30
2,4-Dimethylphenol	30.0	21.8		ug/L		73	52 - 121	2	30
Dimethyl phthalate	30.0	29.1		ug/L		97	50 - 133	2	30
Di-n-butyl phthalate	30.0	28.1		ug/L		94	59 - 144	2	30
4,6-Dinitro-ortho-cresol	60.0	63.2		ug/L		105	46 - 136	4	30
2,4-Dinitrophenol	101	113		ug/L		112	22 - 146	8	30
2,4-Dinitrotoluene	30.0	29.7		ug/L		99	54 - 141	2	30
2,6-Dinitrotoluene	30.0	29.0		ug/L		97	61 - 130	4	30
Di-n-octyl phthalate	30.0	29.4		ug/L		98	55 - 140	0	30
1,4-Dioxane	30.0	18.0		ug/L		60	10 - 130	10	30
1,2-Diphenylhydrazine (as Azobenzene)	30.0	25.5		ug/L		85	55 - 139	1	30
Hexachlorobenzene	30.0	34.1		ug/L		114	60 - 138	2	30
Hexachlorocyclopentadiene	30.0	18.0	J	ug/L		60	1 - 139	12	30
Hexachloroethane	30.0	22.5		ug/L		75	46 - 121	10	30
Indene	30.0	24.5		ug/L		82	17 - 141	9	30
Isophorone	30.0	26.0		ug/L		87	57 - 122	7	30
2-Methylphenol	30.0	26.0		ug/L		87	38 - 121	6	30
3 & 4 Methylphenol	30.0	24.1		ug/L		80	43 - 126	4	30
2-Nitroaniline	30.0	32.2		ug/L		107	52 - 135	4	30
3-Nitroaniline	30.0	23.8		ug/L		79	51 - 128	2	30
4-Nitroaniline	30.0	23.5		ug/L		78	38 - 141	6	30
Nitrobenzene	30.0	25.4		ug/L		85	52 - 128	9	30
2-Nitrophenol	30.0	27.7		ug/L		92	47 - 129	10	30
4-Nitrophenol	60.0	49.9		ug/L		83	34 - 137	4	30
N-Nitrosodimethylamine	30.0	22.3		ug/L		74	21 - 134	8	30
N-Nitrosodi-n-propylamine	30.0	23.0		ug/L		77	41 - 143	5	30
N-Nitrosodiphenylamine	30.0	26.8		ug/L		89	10 - 185	1	30
Pentachlorophenol	60.0	54.8		ug/L		91	38 - 138	1	30
Phenol	30.0	25.5		ug/L		85	37 - 120	9	30
Pyridine	30.0	ND	*	ug/L		0.4	10 - 127	28	30
Quinoline	30.0	12.9	*	ug/L		43	10 - 164	39	30
2,4,5-Trichlorophenol	30.0	30.8		ug/L		103	53 - 130	6	30
2,4,6-Trichlorophenol	30.0	27.8		ug/L		93	52 - 131	6	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*81*		*34 - 120*
2-Fluorophenol	*78*		*10 - 120*
Nitrobenzene-d5	*81*		*27 - 120*
Phenol-d5	*81*		*10 - 120*
Terphenyl-d14	*100*		*53 - 125*
2,4,6-Tribromophenol	*116*		*15 - 135*

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

Lab Sample ID: LCSD 400-315364/5-A
Matrix: Water
Analysis Batch: 315904

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 315364

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzenethiol	100	1.97	J *	ug/L		2	20 - 150	93	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*85*		*34 - 120*
2-Fluorophenol	*78*		*10 - 120*
Nitrobenzene-d5	*85*		*27 - 120*
Phenol-d5	*85*		*10 - 120*
Terphenyl-d14	*111*		*53 - 125*
2,4,6-Tribromophenol	*103*		*15 - 135*

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

Lab Sample ID: MB 400-315364/1-A
Matrix: Water
Analysis Batch: 315719

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 315364

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.020	ug/L		07/22/16 10:08	07/26/16 12:50	1
Acenaphthylene	ND		0.20	0.020	ug/L		07/22/16 10:08	07/26/16 12:50	1
Anthracene	ND		0.20	0.020	ug/L		07/22/16 10:08	07/26/16 12:50	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/22/16 10:08	07/26/16 12:50	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		07/22/16 10:08	07/26/16 12:50	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		07/22/16 10:08	07/26/16 12:50	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		07/22/16 10:08	07/26/16 12:50	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/22/16 10:08	07/26/16 12:50	1
Chrysene	ND		0.20	0.040	ug/L		07/22/16 10:08	07/26/16 12:50	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		07/22/16 10:08	07/26/16 12:50	1
Fluoranthene	ND		0.20	0.020	ug/L		07/22/16 10:08	07/26/16 12:50	1
Fluorene	ND		0.20	0.021	ug/L		07/22/16 10:08	07/26/16 12:50	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		07/22/16 10:08	07/26/16 12:50	1
Phenanthrene	ND		0.20	0.020	ug/L		07/22/16 10:08	07/26/16 12:50	1
Pyrene	ND		0.20	0.020	ug/L		07/22/16 10:08	07/26/16 12:50	1
1-Methylnaphthalene	ND		0.20	0.020	ug/L		07/22/16 10:08	07/26/16 12:50	1
2-Methylnaphthalene	ND		0.20	0.020	ug/L		07/22/16 10:08	07/26/16 12:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*100*		*33 - 138*	*07/22/16 10:08*	*07/26/16 12:50*	*1*
2-Fluorobiphenyl	*64*		*15 - 122*	*07/22/16 10:08*	*07/26/16 12:50*	*1*
Nitrobenzene-d5	*58*		*19 - 130*	*07/22/16 10:08*	*07/26/16 12:50*	*1*

Lab Sample ID: LCS 400-315364/2-A
Matrix: Water
Analysis Batch: 315643

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 315364

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	30.0	23.6		ug/L		79	41 - 120
Acenaphthylene	30.0	23.5		ug/L		78	44 - 120

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

Lab Sample ID: LCS 400-315364/2-A
Matrix: Water
Analysis Batch: 315643

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 315364

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Anthracene	30.0	26.5		ug/L		88	49 - 120
Benzo[a]anthracene	30.0	27.5		ug/L		92	61 - 135
Benzo[a]pyrene	30.0	27.5		ug/L		92	52 - 120
Benzo[b]fluoranthene	30.0	27.4		ug/L		91	53 - 134
Benzo[g,h,i]perylene	30.0	28.9		ug/L		96	47 - 133
Benzo[k]fluoranthene	30.0	24.3		ug/L		81	57 - 134
Chrysene	30.0	27.2		ug/L		91	55 - 122
Dibenz(a,h)anthracene	30.0	27.9		ug/L		93	48 - 146
Fluoranthene	30.0	31.6		ug/L		105	54 - 128
Fluorene	30.0	27.0		ug/L		90	45 - 125
Indeno[1,2,3-cd]pyrene	30.0	28.1		ug/L		94	43 - 142
Phenanthrene	30.0	21.2		ug/L		71	48 - 120
Pyrene	30.0	23.5		ug/L		78	48 - 132
1-Methylnaphthalene	30.0	19.4		ug/L		65	41 - 120
2-Methylnaphthalene	30.0	18.3		ug/L		61	32 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Terphenyl-d14	*76*		*33 - 138*
2-Fluorobiphenyl	*78*		*15 - 122*
Nitrobenzene-d5	*58*		*19 - 130*

Lab Sample ID: LCSD 400-315364/3-A
Matrix: Water
Analysis Batch: 315643

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 315364

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	30.0	24.4		ug/L		81	41 - 120	3	56
Acenaphthylene	30.0	24.1		ug/L		80	44 - 120	3	56
Anthracene	30.0	27.1		ug/L		90	49 - 120	2	51
Benzo[a]anthracene	30.0	27.7		ug/L		92	61 - 135	1	49
Benzo[a]pyrene	30.0	27.4		ug/L		91	52 - 120	1	50
Benzo[b]fluoranthene	30.0	27.8		ug/L		93	53 - 134	1	54
Benzo[g,h,i]perylene	30.0	29.8		ug/L		99	47 - 133	3	50
Benzo[k]fluoranthene	30.0	23.9		ug/L		80	57 - 134	1	52
Chrysene	30.0	27.5		ug/L		92	55 - 122	1	50
Dibenz(a,h)anthracene	30.0	28.7		ug/L		96	48 - 146	3	50
Fluoranthene	30.0	30.9		ug/L		103	54 - 128	2	52
Fluorene	30.0	26.9		ug/L		90	45 - 125	1	56
Indeno[1,2,3-cd]pyrene	30.0	28.7		ug/L		96	43 - 142	2	51
Phenanthrene	30.0	21.8		ug/L		73	48 - 120	3	56
Pyrene	30.0	23.3		ug/L		78	48 - 132	1	52
1-Methylnaphthalene	30.0	20.9		ug/L		70	41 - 120	7	55
2-Methylnaphthalene	30.0	19.6		ug/L		65	32 - 124	7	57

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Terphenyl-d14	*78*		*33 - 138*
2-Fluorobiphenyl	*81*		*15 - 122*

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

Lab Sample ID: LCSD 400-315364/3-A
Matrix: Water
Analysis Batch: 315643

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 315364

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Nitrobenzene-d5	*58*		*19 - 130*

Method: 8011 - EDB and DBCP in Water by Microextraction

Lab Sample ID: MB 400-315511/1-A
Matrix: Water
Analysis Batch: 315814

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 315511

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		07/24/16 10:44	07/25/16 21:33	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		07/24/16 10:44	07/25/16 21:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*		*51 - 149*	*07/24/16 10:44*	*07/25/16 21:33*	*1*

Lab Sample ID: LCS 400-315511/2-A
Matrix: Water
Analysis Batch: 315814

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 315511

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	0.100	0.0944		ug/L		94	60 - 140
1,2-Dibromoethane	0.100	0.0984		ug/L		98	60 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*88*		*51 - 149*

Lab Sample ID: LCSD 400-315511/3-A
Matrix: Water
Analysis Batch: 315814

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 315511

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane	0.100	0.0942		ug/L		94	60 - 140	0	30
1,2-Dibromoethane	0.100	0.109		ug/L		109	60 - 140	10	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*51 - 149*

Lab Sample ID: MB 400-315512/1-A
Matrix: Water
Analysis Batch: 315812

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 315512

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		07/24/16 10:51	07/25/16 09:35	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		07/24/16 10:51	07/25/16 09:35	1

Method: 8011 - EDB and DBCP in Water by Microextraction (Continued)

Lab Sample ID: MB 400-315512/1-A
Matrix: Water
Analysis Batch: 315812

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 315512

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	102		51 - 149	07/24/16 10:51	07/25/16 09:35	1

Lab Sample ID: LCS 400-315512/2-A
Matrix: Water
Analysis Batch: 315812

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 315512

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	0.100	0.0973		ug/L		97	60 - 140
1,2-Dibromoethane	0.100	0.101		ug/L		101	60 - 140

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	100		51 - 149

Lab Sample ID: LCSD 400-315512/3-A
Matrix: Water
Analysis Batch: 315812

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 315512

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane	0.100	0.104		ug/L		104	60 - 140	7	30
1,2-Dibromoethane	0.100	0.0841		ug/L		84	60 - 140	13	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	96		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 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: 15 July 2016
PO #	GSAP Project ID	PAGE: 1 of 1
60477387 - 1.03.003 / 1.03.0033	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 - 1.03.003 / 1.03.0033
ADDRESS: 1001 HIGHLANDS PLAZA DRIVE WEST - SUITE 300; ST. LOUIS, MO 63110
EDF DELIVERABLE TO (Name, Company, Office Location):
PHONE NO.:
E-MAIL:
AECOM Other ID
PROJECT CONTACT (Hardcopy or PDF Report to): Elizabeth Kunkel, Bob Billman, Lindsay Rathnow
SAMPLER NAME(S) (Print):
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

☐ 1A - RWQCB REPORT FORMAT
DELIVERABLES: ☑ 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

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

REQUESTED ANALYSIS

UNIT COST 60477387 - 1.03.0033: VOC 8011; PAH 8270LL
NON-UNIT COST 60477387 - 1.03.003: VOC 8260; SVOC 8270

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	Container PID Readings or Laboratory Notes
	TB-ROX-071516R-8011	7/15/16	0000	Water	2					2	X				4.3°C
	TB-ROX-071516R-8260		0000		2					2			X		5.2°C IR-5
	ROST4PZC-ROX-071516		0930		4			2		6	2	1	2	1	
	MW22-ROX-071516-EB		1005		4			2		6	2	1	2	1	
	MW22-ROX-071516		1055		4			2		6	2	1	2	1	
	MW22-ROX-071516-DUP		1055		4			2		6	2	1	2	1	

400-124585 COC

Relinquished by: (Signature) [signature] 15 July 2016
Received by: (Signature) [signature] 7/16/16 0914
Date: 15 July 2016 Time: 1730

Relinquished by: (Signature)
Received by: (Signature)
Date: Time:

Relinquished by: (Signature)
Received by: (Signature)

Custody Seals: Test America:
784706 | 784709
784707 | [redacted]
784708 | [redacted]

Ref: S400-53959
Dep:
Date: 18Mar16
Wgt: 10.00 LBS
DV: 0.00

SHIPPING: 0.00
SPECIAL: 0.00
HANDLING: 0.00
TOTAL: 0.00

Svcs: PRIORITY OVERNIGHT
TRCK: 6546 8383 9310

Login Sample Receipt Checklist

Client: AECOM Technical Services Inc.

Job Number: 400-124585-1
SDG Number: 60477387 - 1.03.003/1.03.0033

Login Number: 124585
List Number: 1
Creator: Benforado, Jessica L

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	4.3°C, 5.6°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 (excluding tests with immediate HTs)	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 - 3Q16

TestAmerica Job ID: 400-124585-1
SDG: 60477387 - 1.03.003/1.03.0033

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	06-30-17
Arizona	State Program	9	AZ0710	01-11-17
Arkansas DEQ	State Program	6	88-0689	09-01-16
California	ELAP	9	2510	03-31-18
Florida	NELAP	4	E81010	06-30-17
Georgia	State Program	4	N/A	06-30-17
Illinois	NELAP	5	200041	10-09-16
Iowa	State Program	7	367	07-31-16 *
Kansas	NELAP	7	E-10253	10-31-16
Kentucky (UST)	State Program	4	53	06-30-17
Kentucky (WW)	State Program	4	98030	12-31-16
Louisiana	NELAP	6	30976	06-30-17
Maryland	State Program	3	233	09-30-17
Massachusetts	State Program	1	M-FL094	06-30-17
Michigan	State Program	5	9912	05-06-17
New Jersey	NELAP	2	FL006	06-30-17
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	06-30-17
Texas	NELAP	6	T104704286-15-9	09-30-16
USDA	Federal		P330-16-00172	05-24-19
Virginia	NELAP	3	460166	06-14-17
Washington	State Program	10	C915	05-15-17
West Virginia DEP	State Program	3	136	08-31-16

* Certification renewal pending - certification considered valid.

Roxana Groundwater Quarterly – 3rd Quarter 2016 Data Review

Laboratory SDG: 400-124585-1-R1

Data Reviewer: Melissa Mansker

Peer Reviewer: Elizabeth Kunkel

Date Reviewed: 8/22/2016

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

Sample Identification	Sample Identification
TB-ROX-071516R-8011	TB-ROX-071516R-8260
ROST4PZC-ROX-071516	MW22-ROX-071516-EB
MW22-ROX-071516	MW22-ROX-071516-Dup

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 di-n-octyl phthalate was detected in the method blank, and although not indicated in the laboratory case narrative, analytes were detected in the equipment blank. Several VOC and SVOC LCS/LCSD recoveries and SVOC LCS/LCSD RPDs were outside evaluation criteria. The SVOC and PAH surrogate recovery for terphenyl-d_{14} was outside criteria in several samples. Although not indicated in the laboratory case narrative, 1-methylnaphthalene results were qualified in field duplicate pair MW22-ROX-071516/MW22-ROX-071516-Dup due to field duplicate RPD above evaluation criteria; therefore results were qualified as estimated (**J/J**). VOCs were minimally diluted to bring analyte concentration within calibration range. These issues are addressed further in the appropriate sections below. Additionally, the laboratory report was revised to correctly report a false positive result of 4,6-dinitro-ortho-cresol in sample ROST4PZC-ROX-071516, as the peak assigned by laboratory software did not contain the appropriate qualifying ions needed to support a positive identification; no qualification of data was required.

Additionally, the continuing calibration verification for 2-chloroethyl vinyl ether, 4-chloro-3-methylphenol, 4-bromophenyl phenyl ether, and hexachlorobenzene exceeded evaluation criteria. 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 did not indicate any problems.

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
MW22-ROX-071516-EB	VOCs	Acetone	26 µg/L
MW22-ROX-071516-EB	SVOCs	Diethyl phthalate	4.9 µg/L
MW22-ROX-071516-EB	SVOCs	Di-n-octyl phthalate	0.78 µg/L
MB 400-315364/1-A	SVOCs	Di-n-octyl phthalate	0.882 µg/L

Qualifications due to blank contamination are included in the table below. Analytical data that were reported non-detect or at concentrations greater than five times (5X) the associated blank concentration did not require qualification. Please see section 12.0 of this review for additional qualifications regarding samples associated with equipment blank MW22-ROX-071516-EB.

Sample ID	Parameter	Analyte	New Reporting Limit (RL)	Qualification
ROST4PZC-ROX-071516	SVOCs	Di-n-octyl phthalate	-	**U**
MW22-ROX-071516	SVOCs	Di-n-octyl phthalate	-	**U**
MW22-ROX-071516-Dup	SVOCs	Di-n-octyl phthalate	-	**U**

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 400-315486/1002	VOCs	2-Chloroethyl vinyl ether	**289**	NA	10-160
LCS/LCSD 400-315364/2-A/3-A	SVOCs	Aniline	15/**9**	**48**	10-145/30
LCS/LCSD 400-315364/2-A/3-A	SVOCs	Pyridine	**0.6/0.4**	28	10-127/30
LCS/LCSD 400-315364/2-A/3-A	SVOCs	Quinoline	64/43	**39**	10-164/30
LCS/LCSD 400-315364/4-A/5-A	SVOCs	Benzenethiol	**5/2**	**93**	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.

Sample ID	Parameter	Analyte	Qualification
ROST4PZC-ROX-071516	SVOCs	Aniline	**UJ**
ROST4PZC-ROX-071516	SVOCs	Pyridine	**UJ**

Sample ID	Parameter	Analyte	Qualification
ROST4PZC-ROX-071516	SVOCs	Benzenethiol	**UJ**
MW22-ROX-071516	SVOCs	Aniline	**UJ**
MW22-ROX-071516	SVOCs	Pyridine	**UJ**
MW22-ROX-071516	SVOCs	Benzenethiol	**UJ**
MW22-ROX-071516-Dup	SVOCs	Aniline	**UJ**
MW22-ROX-071516-Dup	SVOCs	Pyridine	**UJ**
MW22-ROX-071516-Dup	SVOCs	Benzenethiol	**UJ**

6.0 Surrogate Recoveries

Were surrogate recoveries within evaluation criteria?

No

Sample ID	Parameter	Surrogate	Recovery (%)	Criteria (%)
ROST4PZC-ROX-071516	PAHs	Terphenyl-d_{14}	**24**	33-138
ROST4PZC-ROX-071516	SVOCs	Terphenyl-d_{14}	**51**	53-125
MW22-ROX-071516-EB	PAHs	Terphenyl-d_{14}	**30**	33-138
MW22-ROX-071516	PAHs	Terphenyl-d_{14}	**16**	33-138
MW22-ROX-071516	SVOCs	Terphenyl-d_{14}	**36**	53-125
MW22-ROX-071516-Dup	PAHs	Terphenyl-d_{14}	**24**	33-138
MW22-ROX-071516-Dup	SVOCs	Terphenyl-d_{14}	**35**	53-125

Qualifications due to surrogate recoveries were not required due to only one of three base fraction surrogate recoveries 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?

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-071516	MW22-ROX-071516-Dup

Were field duplicates within evaluation criteria?

No

Field ID	Field Duplicate ID	Parameter	Analyte	RPD	Qualification
MW22-ROX-071516	MW22-ROX-071516-Dup	VOCs	1-Methylnaphthalene	**25**	**J/J**

11.0 Sample Dilutions

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

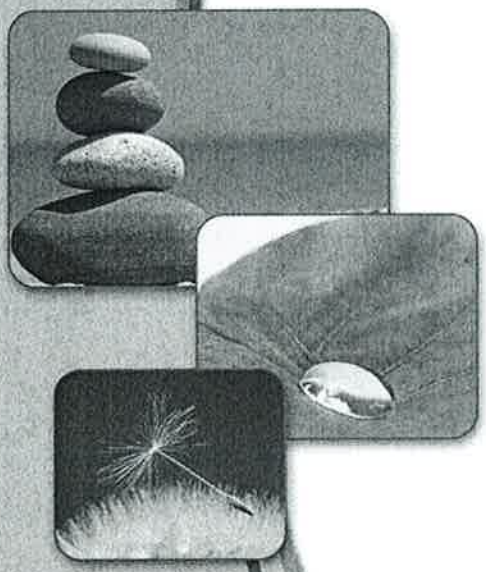
Not applicable; analytes were detected in samples that were diluted.

12.0 Additional Qualifications

Were additional qualifications applied?

Yes, professional judgment was also used to qualify as estimated, however not reject, data associated only with diethyl phthalate detection in equipment blank MW22-ROX-071516-EB.

Sample ID	Parameter	Analyte	New Reporting Limit (RL)	Qualification
ROST4PZC-ROX-071516	SVOCs	Diethyl phthalate	-	**J**
MW22-ROX-071516	SVOCs	Diethyl phthalate	-	**J**



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: 400-124666-1
Client Project/Site: ROXANA QUARTERLY GW - 3Q16
Revision: 2

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:
9/15/2016 10:42:23 AM

Carolyn Hooper, Project Manager I
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LINKS

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Reviewed 9/15/2016

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 - 3Q16

TestAmerica Job ID: 400-124666-1

Job ID: 400-124666-1

Laboratory: TestAmerica Pensacola

Narrative

Job Narrative
400-124666-1

Receipt
The samples were received on 7/19/2016 10:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.7°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-071816-8260 (400-124666-2) and MW25-ROX-071816 (400-124666-3). The requested target analytes 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 400-315667 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 analytical batch 400-315667 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) analyzed in batch 400-317131 was outside the method criteria for the following analyte: Azobenzene. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

The method blank for preparation batch 400-316715 and analytical batch 400-317131 contained Bis(2-ethylhexyl) phthalate and 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.

Organic Prep
Method 3520C: The following sample MW25-ROX-071816 (400-124666-3) was prepared outside of holding time due to laboratory oversight during labeling. The sample receipt group have been re-trained on labeling bottles.

Revision 1
This report has been revised to remove the two chain-of-custodies (COC) that were inadvertently included in this job and do not belong.

Revision 2
After making revisions to remove the extra COCs not related to this job another issue was discovered that 4,6-Dinitro-ortho-cresol LCSD recoveries (LCSD 400-316715/3-A) are within criteria in the revision and were narrated as outside criteria as on original report. The percentages have been varified and the revision is correct. It appears a manual integration was made to correct the data drawn integration for this compound.

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 - 3Q16

TestAmerica Job ID: 400-124666-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-124666-1	TB-ROX-071816-8011	Water	07/18/16 00:00	07/19/16 10:00
400-124666-2	TB-ROX-071816-8260	Water	07/18/16 00:00	07/19/16 10:00
400-124666-3	MW25-ROX-071816	Water	07/18/16 09:35	07/19/16 10:00

Detection Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 3Q16

TestAmerica Job ID: 400-124666-1

Client Sample ID: TB-ROX-071816-8011 — Lab Sample ID: 400-124666-1

No Detections.

Client Sample ID: TB-ROX-071816-8260 — Lab Sample ID: 400-124666-2

No Detections.

Client Sample ID: MW25-ROX-071816 — Lab Sample ID: 400-124666-3

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	25		10	7.4	ug/L	10		8260B	Total/NA
1-Methylnaphthalene	0.067	J H	0.20	0.020	ug/L	1		8270D LL	Total/NA
2-Methylnaphthalene	0.047	J H	0.20	0.020	ug/L	1		8270D LL	Total/NA
Di-n-octyl phthalate	2.3	J H B	10	0.44	ug/L	1		8270D	Total/NA
Phenol	20	H	10	2.6	ug/L	1		8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: TB-ROX-071816-8011

Date Collected: 07/18/16 00:00
Date Received: 07/19/16 10:00

Lab Sample ID: 400-124666-1

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		07/24/16 10:51	07/25/16 19:34	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		07/24/16 10:51	07/25/16 19:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*51 - 149*	*07/24/16 10:51*	*07/25/16 19:34*	*1*

Client Sample ID: TB-ROX-071816-8260

Date Collected: 07/18/16 00:00
Date Received: 07/19/16 10:00

Lab Sample ID: 400-124666-2

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			07/26/16 08:33	1
Acrolein	ND		20	10	ug/L			07/26/16 08:33	1
Acrylonitrile	ND		10	2.8	ug/L			07/26/16 08:33	1
Benzene	ND		1.0	0.38	ug/L			07/26/16 08:33	1
Bromobenzene	ND		1.0	0.54	ug/L			07/26/16 08:33	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/26/16 08:33	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/26/16 08:33	1
Bromoform	ND		5.0	0.71	ug/L			07/26/16 08:33	1
Bromomethane	ND		1.0	0.98	ug/L			07/26/16 08:33	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/26/16 08:33	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/26/16 08:33	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			07/26/16 08:33	1
Chlorobenzene	ND		1.0	0.50	ug/L			07/26/16 08:33	1
Dibromochloromethane	ND		1.0	0.50	ug/L			07/26/16 08:33	1
Chloroethane	ND		1.0	0.76	ug/L			07/26/16 08:33	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/26/16 08:33	1
Chloroform	ND		1.0	0.60	ug/L			07/26/16 08:33	1
1-Chlorohexane	ND		1.0	0.70	ug/L			07/26/16 08:33	1
Chloromethane	ND		1.0	0.83	ug/L			07/26/16 08:33	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/26/16 08:33	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/26/16 08:33	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/26/16 08:33	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/26/16 08:33	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/26/16 08:33	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/26/16 08:33	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/26/16 08:33	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			07/26/16 08:33	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/26/16 08:33	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/26/16 08:33	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/26/16 08:33	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/26/16 08:33	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			07/26/16 08:33	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/26/16 08:33	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/26/16 08:33	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/26/16 08:33	1
2-Hexanone	ND		25	3.1	ug/L			07/26/16 08:33	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/26/16 08:33	1
Methylene bromide	ND		5.0	0.59	ug/L			07/26/16 08:33	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/26/16 08:33	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/26/16 08:33	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			07/26/16 08:33	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			07/26/16 08:33	1
Naphthalene	ND		1.0	1.0	ug/L			07/26/16 08:33	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/26/16 08:33	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/26/16 08:33	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/26/16 08:33	1
o-Xylene	ND		5.0	0.60	ug/L			07/26/16 08:33	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/26/16 08:33	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/26/16 08:33	1

Client Sample ID: TB-ROX-071816-8260

Date Collected: 07/18/16 00:00
Date Received: 07/19/16 10:00

Lab Sample ID: 400-124666-2

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			07/26/16 08:33	1
Styrene	ND		1.0	1.0	ug/L			07/26/16 08:33	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/26/16 08:33	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			07/26/16 08:33	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/26/16 08:33	1
Tetrachloroethene	ND		1.0	0.58	ug/L			07/26/16 08:33	1
Toluene	ND		1.0	0.70	ug/L			07/26/16 08:33	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/26/16 08:33	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/26/16 08:33	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			07/26/16 08:33	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/26/16 08:33	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			07/26/16 08:33	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			07/26/16 08:33	1
Trichloroethene	ND		1.0	0.50	ug/L			07/26/16 08:33	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			07/26/16 08:33	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/26/16 08:33	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/26/16 08:33	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/26/16 08:33	1
Vinyl acetate	ND		25	2.0	ug/L			07/26/16 08:33	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/26/16 08:33	1
Xylenes, Total	ND		10	1.6	ug/L			07/26/16 08:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*78 - 118*		*07/26/16 08:33*	*1*
Dibromofluoromethane	*106*		*81 - 121*		*07/26/16 08:33*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*07/26/16 08:33*	*1*

Client Sample ID: MW25-ROX-071816
Date Collected: 07/18/16 09:35
Date Received: 07/19/16 10:00

Lab Sample ID: 400-124666-3
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			07/26/16 09:45	10
Acrolein	ND		200	100	ug/L			07/26/16 09:45	10
Acrylonitrile	ND		100	28	ug/L			07/26/16 09:45	10
Benzene	**1200**		10	3.8	ug/L			07/26/16 09:45	10
Bromobenzene	ND		10	5.4	ug/L			07/26/16 09:45	10
Bromochloromethane	ND		10	5.2	ug/L			07/26/16 09:45	10
Bromodichloromethane	ND		10	5.0	ug/L			07/26/16 09:45	10
Bromoform	ND		50	7.1	ug/L			07/26/16 09:45	10
Bromomethane	ND		10	9.8	ug/L			07/26/16 09:45	10
2-Butanone (MEK)	ND		250	26	ug/L			07/26/16 09:45	10
Carbon disulfide	ND		10	5.0	ug/L			07/26/16 09:45	10
Carbon tetrachloride	ND		10	5.0	ug/L			07/26/16 09:45	10
Chlorobenzene	ND		10	5.0	ug/L			07/26/16 09:45	10
Dibromochloromethane	ND		10	5.0	ug/L			07/26/16 09:45	10
Chloroethane	ND		10	7.6	ug/L			07/26/16 09:45	10
2-Chloroethyl vinyl ether	ND		50	20	ug/L			07/26/16 09:45	10
Chloroform	ND		10	6.0	ug/L			07/26/16 09:45	10
1-Chlorohexane	ND		10	7.0	ug/L			07/26/16 09:45	10
Chloromethane	ND		10	8.3	ug/L			07/26/16 09:45	10
cis-1,2-Dichloroethene	ND		10	5.0	ug/L			07/26/16 09:45	10
cis-1,3-Dichloropropene	ND		50	5.0	ug/L			07/26/16 09:45	10
1,2-Dichlorobenzene	ND		10	5.0	ug/L			07/26/16 09:45	10
1,3-Dichlorobenzene	ND		10	5.4	ug/L			07/26/16 09:45	10
1,4-Dichlorobenzene	ND		10	6.4	ug/L			07/26/16 09:45	10
Dichlorodifluoromethane	ND		10	8.5	ug/L			07/26/16 09:45	10
1,1-Dichloroethane	ND		10	5.0	ug/L			07/26/16 09:45	10
1,2-Dichloroethane	ND		10	5.0	ug/L			07/26/16 09:45	10
1,1-Dichloroethene	ND		10	5.0	ug/L			07/26/16 09:45	10
1,2-Dichloropropane	ND		10	5.0	ug/L			07/26/16 09:45	10
1,3-Dichloropropane	ND		10	5.0	ug/L			07/26/16 09:45	10
2,2-Dichloropropane	ND		10	5.0	ug/L			07/26/16 09:45	10
1,1-Dichloropropene	ND		10	5.0	ug/L			07/26/16 09:45	10
Ethylbenzene	ND		10	5.0	ug/L			07/26/16 09:45	10
Ethyl methacrylate	ND		10	6.0	ug/L			07/26/16 09:45	10
Hexachlorobutadiene	ND		50	9.0	ug/L			07/26/16 09:45	10
2-Hexanone	ND		250	31	ug/L			07/26/16 09:45	10
Isopropylbenzene	ND		10	5.3	ug/L			07/26/16 09:45	10
Methylene bromide	ND		50	5.9	ug/L			07/26/16 09:45	10
Methylene Chloride	ND		50	30	ug/L			07/26/16 09:45	10
4-Methyl-2-pentanone (MIBK)	ND		250	18	ug/L			07/26/16 09:45	10
Methyl tert-butyl ether	**25**		10	7.4	ug/L			07/26/16 09:45	10
m-Xylene & p-Xylene	ND		50	16	ug/L			07/26/16 09:45	10
Naphthalene	ND		10	10	ug/L			07/26/16 09:45	10
n-Butylbenzene	ND		10	7.6	ug/L			07/26/16 09:45	10
N-Propylbenzene	ND		10	6.9	ug/L			07/26/16 09:45	10
o-Chlorotoluene	ND		10	5.7	ug/L			07/26/16 09:45	10
o-Xylene	ND		50	6.0	ug/L			07/26/16 09:45	10
p-Chlorotoluene	ND		10	5.6	ug/L			07/26/16 09:45	10
p-Isopropyltoluene	ND		10	7.1	ug/L			07/26/16 09:45	10

Client Sample ID: MW25-ROX-071816

Date Collected: 07/18/16 09:35
Date Received: 07/19/16 10:00

Lab Sample ID: 400-124666-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		10	7.0	ug/L			07/26/16 09:45	10
Styrene	ND		10	10	ug/L			07/26/16 09:45	10
tert-Butylbenzene	ND		10	6.3	ug/L			07/26/16 09:45	10
1,1,1,2-Tetrachloroethane	ND		10	5.2	ug/L			07/26/16 09:45	10
1,1,2,2-Tetrachloroethane	ND		10	5.0	ug/L			07/26/16 09:45	10
Tetrachloroethene	ND		10	5.8	ug/L			07/26/16 09:45	10
Toluene	ND		10	7.0	ug/L			07/26/16 09:45	10
trans-1,2-Dichloroethene	ND		10	5.0	ug/L			07/26/16 09:45	10
trans-1,3-Dichloropropene	ND		50	5.0	ug/L			07/26/16 09:45	10
1,2,3-Trichlorobenzene	ND		10	7.0	ug/L			07/26/16 09:45	10
1,2,4-Trichlorobenzene	ND		10	8.2	ug/L			07/26/16 09:45	10
1,1,1-Trichloroethane	ND		10	5.0	ug/L			07/26/16 09:45	10
1,1,2-Trichloroethane	ND		50	5.0	ug/L			07/26/16 09:45	10
Trichloroethene	ND		10	5.0	ug/L			07/26/16 09:45	10
Trichlorofluoromethane	ND		10	5.2	ug/L			07/26/16 09:45	10
1,2,3-Trichloropropane	ND		50	8.4	ug/L			07/26/16 09:45	10
1,2,4-Trimethylbenzene	ND		10	8.2	ug/L			07/26/16 09:45	10
1,3,5-Trimethylbenzene	ND		10	5.6	ug/L			07/26/16 09:45	10
Vinyl acetate	ND		250	20	ug/L			07/26/16 09:45	10
Vinyl chloride	ND		10	5.0	ug/L			07/26/16 09:45	10
Xylenes, Total	ND		100	16	ug/L			07/26/16 09:45	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*78 - 118*		*07/26/16 09:45*	*10*
Dibromofluoromethane	*107*		*81 - 121*		*07/26/16 09:45*	*10*
Toluene-d8 (Surr)	*94*		*80 - 120*		*07/26/16 09:45*	*10*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND	H UJ	0.20	0.020	ug/L		08/01/16 08:52	08/03/16 12:40	1
Acenaphthylene	ND	H	0.20	0.020	ug/L		08/01/16 08:52	08/03/16 12:40	1
Anthracene	ND	H	0.20	0.020	ug/L		08/01/16 08:52	08/03/16 12:40	1
Benzo[a]anthracene	ND	H	0.20	0.040	ug/L		08/01/16 08:52	08/03/16 12:40	1
Benzo[a]pyrene	ND	H	0.20	0.040	ug/L		08/01/16 08:52	08/03/16 12:40	1
Benzo[b]fluoranthene	ND	H	0.20	0.040	ug/L		08/01/16 08:52	08/03/16 12:40	1
Benzo[g,h,i]perylene	ND	H	0.20	0.040	ug/L		08/01/16 08:52	08/03/16 12:40	1
Benzo[k]fluoranthene	ND	H	0.20	0.040	ug/L		08/01/16 08:52	08/03/16 12:40	1
Chrysene	ND	H	0.20	0.040	ug/L		08/01/16 08:52	08/03/16 12:40	1
Dibenz(a,h)anthracene	ND	H	0.20	0.040	ug/L		08/01/16 08:52	08/03/16 12:40	1
Fluoranthene	ND	H	0.20	0.020	ug/L		08/01/16 08:52	08/03/16 12:40	1
Fluorene	ND	H	0.20	0.021	ug/L		08/01/16 08:52	08/03/16 12:40	1
Indeno[1,2,3-cd]pyrene	ND	H	0.20	0.040	ug/L		08/01/16 08:52	08/03/16 12:40	1
Phenanthrene	ND	H	0.20	0.020	ug/L		08/01/16 08:52	08/03/16 12:40	1
Pyrene	ND	H	0.20	0.020	ug/L		08/01/16 08:52	08/03/16 12:40	1
1-Methylnaphthalene	**0.067**	**J H** J	0.20	0.020	ug/L		08/01/16 08:52	08/03/16 12:40	1
2-Methylnaphthalene	**0.047**	**J H** J	0.20	0.020	ug/L		08/01/16 08:52	08/03/16 12:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*34*		*33 - 138*	*08/01/16 08:52*	*08/03/16 12:40*	*1*
2-Fluorobiphenyl	*44*		*15 - 122*	*08/01/16 08:52*	*08/03/16 12:40*	*1*

Client Sample ID: MW25-ROX-071816
Date Collected: 07/18/16 09:35
Date Received: 07/19/16 10:00

Lab Sample ID: 400-124666-3
Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	43		19 - 130	08/01/16 08:52	08/03/16 12:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND	H	10	3.8	ug/L		08/01/16 08:52	08/03/16 16:37	1
Benzenethiol	ND	H	10	1.7	ug/L		08/01/16 08:52	08/03/16 16:37	1
Benzoic acid	ND	H	30	7.3	ug/L		08/01/16 08:52	08/03/16 16:37	1
Benzyl alcohol	ND	H	10	2.0	ug/L		08/01/16 08:52	08/03/16 16:37	1
Bis(2-chloroethoxy)methane	ND	H	10	0.69	ug/L		08/01/16 08:52	08/03/16 16:37	1
Bis(2-chloroethyl)ether	ND	H	10	0.74	ug/L		08/01/16 08:52	08/03/16 16:37	1
bis (2-chloroisopropyl) ether	ND	H	10	0.81	ug/L		08/01/16 08:52	08/03/16 16:37	1
Bis(2-ethylhexyl) phthalate	ND	H	10	2.3	ug/L		08/01/16 08:52	08/03/16 16:37	1
4-Bromophenyl phenyl ether	ND	H	10	0.32	ug/L		08/01/16 08:52	08/03/16 16:37	1
Butyl benzyl phthalate	ND	H	10	0.69	ug/L		08/01/16 08:52	08/03/16 16:37	1
4-Chloroaniline	ND	H	10	3.4	ug/L		08/01/16 08:52	08/03/16 16:37	1
4-Chloro-3-methylphenol	ND	H	10	3.8	ug/L		08/01/16 08:52	08/03/16 16:37	1
2-Chloronaphthalene	ND	H	10	0.52	ug/L		08/01/16 08:52	08/03/16 16:37	1
2-Chlorophenol	ND	H	10	2.2	ug/L		08/01/16 08:52	08/03/16 16:37	1
4-Chlorophenyl phenyl ether	ND	H	10	2.0	ug/L		08/01/16 08:52	08/03/16 16:37	1
Dibenz[a,h]acridine	ND	H	10	3.0	ug/L		08/01/16 08:52	08/03/16 16:37	1
Dibenzofuran	ND	H	10	0.52	ug/L		08/01/16 08:52	08/03/16 16:37	1
3,3'-Dichlorobenzidine	ND	H	10	2.6	ug/L		08/01/16 08:52	08/03/16 16:37	1
2,4-Dichlorophenol	ND	H	10	3.0	ug/L		08/01/16 08:52	08/03/16 16:37	1
Diethyl phthalate	ND	H	10	0.70	ug/L		08/01/16 08:52	08/03/16 16:37	1
2,4-Dimethylphenol	ND	H	10	3.5	ug/L		08/01/16 08:52	08/03/16 16:37	1
Dimethyl phthalate	ND	H	10	0.60	ug/L		08/01/16 08:52	08/03/16 16:37	1
Di-n-butyl phthalate	ND	H	10	2.7	ug/L		08/01/16 08:52	08/03/16 16:37	1
4,6-Dinitro-ortho-cresol	ND	H *	10	2.0	ug/L		08/01/16 08:52	08/03/16 16:37	1
2,4-Dinitrophenol	ND	H	30	3.4	ug/L		08/01/16 08:52	08/03/16 16:37	1
2,4-Dinitrotoluene	ND	H	10	1.9	ug/L		08/01/16 08:52	08/03/16 16:37	1
2,6-Dinitrotoluene	ND	H	10	1.9	ug/L		08/01/16 08:52	08/03/16 16:37	1
Di-n-octyl phthalate	2.3	J H B	10	0.44	ug/L		08/01/16 08:52	08/03/16 16:37	1
1,4-Dioxane	ND	H	10	1.0	ug/L		08/01/16 08:52	08/03/16 16:37	1
1,2-Diphenylhydrazine (as Azobenzene)	ND	H	10	1.0	ug/L		08/01/16 08:52	08/03/16 16:37	1
Hexachlorobenzene	ND	H	10	0.25	ug/L		08/01/16 08:52	08/03/16 16:37	1
Hexachlorocyclopentadiene	ND	H	20	2.6	ug/L		08/01/16 08:52	08/03/16 16:37	1
Hexachloroethane	ND	H	10	4.2	ug/L		08/01/16 08:52	08/03/16 16:37	1
Indene	ND	H	10	1.0	ug/L		08/01/16 08:52	08/03/16 16:37	1
Isophorone	ND	H	10	0.57	ug/L		08/01/16 08:52	08/03/16 16:37	1
2-Methylphenol	ND	H	10	1.8	ug/L		08/01/16 08:52	08/03/16 16:37	1
3 & 4 Methylphenol	ND	H	20	1.0	ug/L		08/01/16 08:52	08/03/16 16:37	1
2-Nitroaniline	ND	H	10	2.2	ug/L		08/01/16 08:52	08/03/16 16:37	1
3-Nitroaniline	ND	H	10	1.8	ug/L		08/01/16 08:52	08/03/16 16:37	1
4-Nitroaniline	ND	H	10	2.5	ug/L		08/01/16 08:52	08/03/16 16:37	1
Nitrobenzene	ND	H	10	0.55	ug/L		08/01/16 08:52	08/03/16 16:37	1
2-Nitrophenol	ND	H	10	0.65	ug/L		08/01/16 08:52	08/03/16 16:37	1
4-Nitrophenol	ND	H	10	2.1	ug/L		08/01/16 08:52	08/03/16 16:37	1
N-Nitrosodimethylamine	ND	H	10	3.5	ug/L		08/01/16 08:52	08/03/16 16:37	1

Client Sample ID: MW25-ROX-071816
Date Collected: 07/18/16 09:35
Date Received: 07/19/16 10:00

Lab Sample ID: 400-124666-3
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	H	10	3.3	ug/L		08/01/16 08:52	08/03/16 16:37	1
N-Nitrosodiphenylamine	ND	H	10	0.47	ug/L		08/01/16 08:52	08/03/16 16:37	1
Pentachlorophenol	ND	H	20	1.8	ug/L		08/01/16 08:52	08/03/16 16:37	1
Phenol	**20**	**H**	10	2.6	ug/L		08/01/16 08:52	08/03/16 16:37	1
Pyridine	ND	H	10	3.2	ug/L		08/01/16 08:52	08/03/16 16:37	1
Quinoline	ND	H	10	6.0	ug/L		08/01/16 08:52	08/03/16 16:37	1
2,4,5-Trichlorophenol	ND	H	10	3.7	ug/L		08/01/16 08:52	08/03/16 16:37	1
2,4,6-Trichlorophenol	ND	H	10	3.5	ug/L		08/01/16 08:52	08/03/16 16:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*81*		*34 - 120*	*08/01/16 08:52*	*08/03/16 16:37*	*1*
2-Fluorophenol	*60*		*10 - 120*	*08/01/16 08:52*	*08/03/16 16:37*	*1*
Nitrobenzene-d5	*73*		*27 - 120*	*08/01/16 08:52*	*08/03/16 16:37*	*1*
Phenol-d5	*63*		*10 - 120*	*08/01/16 08:52*	*08/03/16 16:37*	*1*
Terphenyl-d14	*70*		*53 - 125*	*08/01/16 08:52*	*08/03/16 16:37*	*1*
2,4,6-Tribromophenol	*95*		*15 - 135*	*08/01/16 08:52*	*08/03/16 16:37*	*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	0.0051	ug/L		07/24/16 10:51	07/25/16 20:33	1
1,2-Dibromoethane	ND		0.019	0.0047	ug/L		07/24/16 10:51	07/25/16 20:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*87*		*51 - 149*	*07/24/16 10:51*	*07/25/16 20:33*	*1*

Definitions/Glossary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 3Q16

TestAmerica Job ID: 400-124666-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.

GC/MS Semi VOA

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
*	LCS or LCSD is outside acceptance limits.
*	RPD of the LCS and LCSD exceeds the control limits
B	Compound was found in the blank and sample.

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 - 3Q16

TestAmerica Job ID: 400-124666-1

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)
400-124666-2	TB-ROX-071816-8260	93	106	94
400-124666-3	MW25-ROX-071816	94	107	94
400-124810-A-2 MS	Matrix Spike	102	100	101
400-124810-A-2 MSD	Matrix Spike Duplicate	103	101	102
LCS 400-315667/1002	Lab Control Sample	101	99	102
MB 400-315667/4	Method Blank	92	103	93

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)
400-124666-3	MW25-ROX-071816	81	60	73	63	70	95
LCS 400-316715/2-A	Lab Control Sample	88	75	76	78	97	109
LCSD 400-316715/3-A	Lab Control Sample Dup	83	70	68	74	90	102
MB 400-316715/1-A	Method Blank	92	79	81	82	99	98

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)
400-124666-3	MW25-ROX-071816	34	44	43
LCS 400-316715/2-A	Lab Control Sample	80	80	67
LCSD 400-316715/3-A	Lab Control Sample Dup	73	77	63
MB 400-316715/1-A	Method Blank	55	51	45

Surrogate Legend

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

Surrogate Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 3Q16

TestAmerica Job ID: 400-124666-1

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)**
400-124666-1	TB-ROX-071816-8011	92
400-124666-3	MW25-ROX-071816	87
LCS 400-315512/2-A	Lab Control Sample	100
LCSD 400-315512/3-A	Lab Control Sample Dup	96
MB 400-315512/1-A	Method Blank	102

Surrogate Legend

BFB = 4-Bromofluorobenzene

Method Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 3Q16

TestAmerica Job ID: 400-124666-1

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 - 3Q16

TestAmerica Job ID: 400-124666-1

Client Sample ID: TB-ROX-071816-8011

Lab Sample ID: 400-124666-1
Matrix: Water

Date Collected: 07/18/16 00:00
Date Received: 07/19/16 10:00

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	315512	07/24/16 10:51	AM	TAL PEN
Total/NA	Analysis	8011		1			315812	07/25/16 19:34	AM	TAL PEN

Client Sample ID: TB-ROX-071816-8260

Lab Sample ID: 400-124666-2
Matrix: Water

Date Collected: 07/18/16 00:00
Date Received: 07/19/16 10:00

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	315667	07/26/16 08:33	WPD	TAL PEN

Client Sample ID: MW25-ROX-071816

Lab Sample ID: 400-124666-3
Matrix: Water

Date Collected: 07/18/16 09:35
Date Received: 07/19/16 10:00

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	315667	07/26/16 09:45	WPD	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	316715	08/01/16 08:52	RMC	TAL PEN
Total/NA	Analysis	8270D		1			317131	08/03/16 16:37	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	316715	08/01/16 08:52	RMC	TAL PEN
Total/NA	Analysis	8270D LL		1			317026	08/03/16 12:40	VC1	TAL PEN
Total/NA	Prep	8011			37.5 mL	35 mL	315512	07/24/16 10:51	AM	TAL PEN
Total/NA	Analysis	8011		1			315812	07/25/16 20:33	AM	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-315512/1-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	315512	07/24/16 10:51	AM	TAL PEN
Total/NA	Analysis	8011		1			315812	07/25/16 09:35	AM	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-315667/4
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	315667	07/26/16 08:09	WPD	TAL PEN

Lab Chronicle

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 3Q16

TestAmerica Job ID: 400-124666-1

Client Sample ID: Method Blank

Lab Sample ID: MB 400-316715/1-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	316715	08/01/16 08:52	RMC	TAL PEN
Total/NA	Analysis	8270D		1			317131	08/03/16 15:05	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	316715	08/01/16 08:52	RMC	TAL PEN
Total/NA	Analysis	8270D LL		1			317026	08/03/16 11:31	VC1	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-315512/2-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	315512	07/24/16 10:51	AM	TAL PEN
Total/NA	Analysis	8011		1			315812	07/25/16 10:04	AM	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-315667/1002
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	315667	07/26/16 07:21	WPD	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-316715/2-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	316715	08/01/16 08:52	RMC	TAL PEN
Total/NA	Analysis	8270D		1			317131	08/03/16 15:36	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	316715	08/01/16 08:52	RMC	TAL PEN
Total/NA	Analysis	8270D LL		5			317026	08/03/16 11:54	VC1	TAL PEN

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-315512/3-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	315512	07/24/16 10:51	AM	TAL PEN
Total/NA	Analysis	8011		1			315812	07/25/16 10:34	AM	TAL PEN

Lab Chronicle

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 3Q16

TestAmerica Job ID: 400-124666-1

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-316715/3-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	316715	08/01/16 08:52	RMC	TAL PEN
Total/NA	Analysis	8270D		1	0.4 mL	1.0 mL	317131	08/03/16 16:06	MAM	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	316715	08/01/16 08:52	RMC	TAL PEN
Total/NA	Analysis	8270D LL		5			317026	08/03/16 12:17	VC1	TAL PEN

Client Sample ID: Matrix Spike

Lab Sample ID: 400-124810-A-2 MS

Date Collected: 07/20/16 11:35
Date Received: 07/21/16 14:55

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	315667	07/26/16 10:59	WPD	TAL PEN

Client Sample ID: Matrix Spike Duplicate

Lab Sample ID: 400-124810-A-2 MSD

Date Collected: 07/20/16 11:35
Date Received: 07/21/16 14:55

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	315667	07/26/16 11:23	WPD	TAL PEN

Laboratory References:

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

GC/MS VOA

Analysis Batch: 315667

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124666-2	TB-ROX-071816-8260	Total/NA	Water	8260B	
400-124666-3	MW25-ROX-071816	Total/NA	Water	8260B	
MB 400-315667/4	Method Blank	Total/NA	Water	8260B	
LCS 400-315667/1002	Lab Control Sample	Total/NA	Water	8260B	
400-124810-A-2 MS	Matrix Spike	Total/NA	Water	8260B	
400-124810-A-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 316715

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124666-3	MW25-ROX-071816	Total/NA	Water	3520C	
MB 400-316715/1-A	Method Blank	Total/NA	Water	3520C	
LCS 400-316715/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 400-316715/3-A	Lab Control Sample Dup	Total/NA	Water	3520C	

Analysis Batch: 317026

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124666-3	MW25-ROX-071816	Total/NA	Water	8270D LL	316715
MB 400-316715/1-A	Method Blank	Total/NA	Water	8270D LL	316715
LCS 400-316715/2-A	Lab Control Sample	Total/NA	Water	8270D LL	316715
LCSD 400-316715/3-A	Lab Control Sample Dup	Total/NA	Water	8270D LL	316715

Analysis Batch: 317131

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124666-3	MW25-ROX-071816	Total/NA	Water	8270D	316715
MB 400-316715/1-A	Method Blank	Total/NA	Water	8270D	316715
LCS 400-316715/2-A	Lab Control Sample	Total/NA	Water	8270D	316715
LCSD 400-316715/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	316715

GC Semi VOA

Prep Batch: 315512

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124666-1	TB-ROX-071816-8011	Total/NA	Water	8011	
400-124666-3	MW25-ROX-071816	Total/NA	Water	8011	
MB 400-315512/1-A	Method Blank	Total/NA	Water	8011	
LCS 400-315512/2-A	Lab Control Sample	Total/NA	Water	8011	
LCSD 400-315512/3-A	Lab Control Sample Dup	Total/NA	Water	8011	

Analysis Batch: 315812

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-124666-1	TB-ROX-071816-8011	Total/NA	Water	8011	315512
400-124666-3	MW25-ROX-071816	Total/NA	Water	8011	315512
MB 400-315512/1-A	Method Blank	Total/NA	Water	8011	315512
LCS 400-315512/2-A	Lab Control Sample	Total/NA	Water	8011	315512
LCSD 400-315512/3-A	Lab Control Sample Dup	Total/NA	Water	8011	315512

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

Lab Sample ID: MB 400-315667/4
Matrix: Water
Analysis Batch: 315667

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			07/26/16 08:09	1
Acrolein	ND		20	10	ug/L			07/26/16 08:09	1
Acrylonitrile	ND		10	2.8	ug/L			07/26/16 08:09	1
Benzene	ND		1.0	0.38	ug/L			07/26/16 08:09	1
Bromobenzene	ND		1.0	0.54	ug/L			07/26/16 08:09	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/26/16 08:09	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/26/16 08:09	1
Bromoform	ND		5.0	0.71	ug/L			07/26/16 08:09	1
Bromomethane	ND		1.0	0.98	ug/L			07/26/16 08:09	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/26/16 08:09	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/26/16 08:09	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			07/26/16 08:09	1
Chlorobenzene	ND		1.0	0.50	ug/L			07/26/16 08:09	1
Dibromochloromethane	ND		1.0	0.50	ug/L			07/26/16 08:09	1
Chloroethane	ND		1.0	0.76	ug/L			07/26/16 08:09	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/26/16 08:09	1
Chloroform	ND		1.0	0.60	ug/L			07/26/16 08:09	1
1-Chlorohexane	ND		1.0	0.70	ug/L			07/26/16 08:09	1
Chloromethane	ND		1.0	0.83	ug/L			07/26/16 08:09	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/26/16 08:09	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/26/16 08:09	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/26/16 08:09	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/26/16 08:09	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/26/16 08:09	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/26/16 08:09	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/26/16 08:09	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			07/26/16 08:09	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/26/16 08:09	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/26/16 08:09	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/26/16 08:09	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/26/16 08:09	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			07/26/16 08:09	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/26/16 08:09	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/26/16 08:09	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/26/16 08:09	1
2-Hexanone	ND		25	3.1	ug/L			07/26/16 08:09	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/26/16 08:09	1
Methylene bromide	ND		5.0	0.59	ug/L			07/26/16 08:09	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/26/16 08:09	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/26/16 08:09	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			07/26/16 08:09	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			07/26/16 08:09	1
Naphthalene	ND		1.0	1.0	ug/L			07/26/16 08:09	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/26/16 08:09	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/26/16 08:09	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/26/16 08:09	1
o-Xylene	ND		5.0	0.60	ug/L			07/26/16 08:09	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/26/16 08:09	1

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

Lab Sample ID: MB 400-315667/4
Matrix: Water
Analysis Batch: 315667

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			07/26/16 08:09	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/26/16 08:09	1
Styrene	ND		1.0	1.0	ug/L			07/26/16 08:09	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/26/16 08:09	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			07/26/16 08:09	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/26/16 08:09	1
Tetrachloroethene	ND		1.0	0.58	ug/L			07/26/16 08:09	1
Toluene	ND		1.0	0.70	ug/L			07/26/16 08:09	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/26/16 08:09	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/26/16 08:09	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			07/26/16 08:09	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/26/16 08:09	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			07/26/16 08:09	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			07/26/16 08:09	1
Trichloroethene	ND		1.0	0.50	ug/L			07/26/16 08:09	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			07/26/16 08:09	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/26/16 08:09	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/26/16 08:09	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/26/16 08:09	1
Vinyl acetate	ND		25	2.0	ug/L			07/26/16 08:09	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/26/16 08:09	1
Xylenes, Total	ND		10	1.6	ug/L			07/26/16 08:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*78 - 118*		*07/26/16 08:09*	*1*
Dibromofluoromethane	*103*		*81 - 121*		*07/26/16 08:09*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*07/26/16 08:09*	*1*

Lab Sample ID: LCS 400-315667/1002
Matrix: Water
Analysis Batch: 315667

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	200	198		ug/L		99	43 - 160
Acrolein	500	490		ug/L		98	38 - 160
Acrylonitrile	500	558		ug/L		112	64 - 142
Benzene	50.0	51.7		ug/L		103	70 - 130
Bromobenzene	50.0	55.8		ug/L		112	70 - 132
Bromochloromethane	50.0	50.5		ug/L		101	70 - 130
Bromodichloromethane	50.0	52.4		ug/L		105	67 - 133
Bromoform	50.0	54.7		ug/L		109	57 - 140
Bromomethane	50.0	36.8		ug/L		74	10 - 160
2-Butanone (MEK)	200	219		ug/L		109	61 - 145
Carbon disulfide	50.0	49.9		ug/L		100	61 - 137
Carbon tetrachloride	50.0	47.8		ug/L		96	61 - 137
Chlorobenzene	50.0	56.1		ug/L		112	70 - 130
Dibromochloromethane	50.0	54.3		ug/L		109	67 - 135
Chloroethane	50.0	48.5		ug/L		97	55 - 141

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

Lab Sample ID: LCS 400-315667/1002
Matrix: Water
Analysis Batch: 315667

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	44.7		ug/L		89	10 - 160
Chloroform	50.0	50.5		ug/L		101	69 - 130
1-Chlorohexane	50.0	55.3		ug/L		111	69 - 130
Chloromethane	50.0	50.7		ug/L		101	58 - 137
cis-1,2-Dichloroethene	50.0	51.0		ug/L		102	68 - 130
cis-1,3-Dichloropropene	50.0	52.8		ug/L		106	69 - 132
1,2-Dichlorobenzene	50.0	54.9		ug/L		110	67 - 130
1,3-Dichlorobenzene	50.0	54.8		ug/L		110	70 - 130
1,4-Dichlorobenzene	50.0	56.6		ug/L		113	70 - 130
Dichlorodifluoromethane	50.0	52.1		ug/L		104	41 - 146
1,1-Dichloroethane	50.0	52.0		ug/L		104	70 - 130
1,2-Dichloroethane	50.0	50.5		ug/L		101	69 - 130
1,1-Dichloroethene	50.0	50.8		ug/L		102	63 - 134
1,2-Dichloropropane	50.0	50.2		ug/L		100	70 - 130
1,3-Dichloropropane	50.0	54.8		ug/L		110	70 - 130
2,2-Dichloropropane	50.0	48.7		ug/L		97	52 - 135
1,1-Dichloropropene	50.0	51.5		ug/L		103	70 - 130
Ethylbenzene	50.0	54.4		ug/L		109	70 - 130
Ethyl methacrylate	50.0	55.9		ug/L		112	68 - 130
Hexachlorobutadiene	50.0	53.9		ug/L		108	53 - 140
2-Hexanone	200	230		ug/L		115	65 - 137
Isopropylbenzene	50.0	54.9		ug/L		110	70 - 130
Methylene bromide	50.0	52.3		ug/L		105	70 - 130
Methylene Chloride	50.0	50.5		ug/L		101	66 - 135
4-Methyl-2-pentanone (MIBK)	200	227		ug/L		114	69 - 138
Methyl tert-butyl ether	50.0	51.4		ug/L		103	66 - 130
m-Xylene & p-Xylene	50.0	54.9		ug/L		110	70 - 130
Naphthalene	50.0	53.4		ug/L		107	47 - 149
n-Butylbenzene	50.0	53.3		ug/L		107	67 - 130
N-Propylbenzene	50.0	52.9		ug/L		106	70 - 130
o-Chlorotoluene	50.0	49.9		ug/L		100	70 - 130
o-Xylene	50.0	54.8		ug/L		110	70 - 130
p-Chlorotoluene	50.0	53.9		ug/L		108	70 - 130
p-Isopropyltoluene	50.0	53.7		ug/L		107	65 - 130
sec-Butylbenzene	50.0	52.3		ug/L		105	66 - 130
Styrene	50.0	53.9		ug/L		108	70 - 130
tert-Butylbenzene	50.0	54.9		ug/L		110	64 - 139
1,1,1,2-Tetrachloroethane	50.0	54.7		ug/L		109	67 - 131
1,1,2,2-Tetrachloroethane	50.0	58.8		ug/L		118	70 - 131
Tetrachloroethene	50.0	53.9		ug/L		108	65 - 130
Toluene	50.0	54.6		ug/L		109	70 - 130
trans-1,2-Dichloroethene	50.0	49.8		ug/L		100	70 - 130
trans-1,3-Dichloropropene	50.0	54.7		ug/L		109	63 - 130
1,2,3-Trichlorobenzene	50.0	55.5		ug/L		111	60 - 138
1,2,4-Trichlorobenzene	50.0	56.4		ug/L		113	60 - 140
1,1,1-Trichloroethane	50.0	51.3		ug/L		103	68 - 130
1,1,2-Trichloroethane	50.0	56.2		ug/L		112	70 - 130
Trichloroethene	50.0	52.9		ug/L		106	70 - 130

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

Lab Sample ID: LCS 400-315667/1002
Matrix: Water
Analysis Batch: 315667

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	47.1		ug/L		94	65 - 138
1,2,3-Trichloropropane	50.0	56.6		ug/L		113	70 - 130
1,2,4-Trimethylbenzene	50.0	51.2		ug/L		102	70 - 130
1,3,5-Trimethylbenzene	50.0	55.2		ug/L		110	69 - 130
Vinyl acetate	100	92.9		ug/L		93	26 - 160
Vinyl chloride	50.0	48.9		ug/L		98	59 - 136
Xylenes, Total	100	110		ug/L		110	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*78 - 118*
Dibromofluoromethane	*99*		*81 - 121*
Toluene-d8 (Surr)	*102*		*80 - 120*

Lab Sample ID: 400-124810-A-2 MS
Matrix: Water
Analysis Batch: 315667

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		200	172		ug/L		86	43 - 160
Acrolein	ND		400	440		ug/L		110	38 - 160
Acrylonitrile	ND		500	539		ug/L		108	62 - 149
Benzene	2.2		50.0	52.5		ug/L		101	56 - 142
Bromobenzene	ND		50.0	52.4		ug/L		105	59 - 136
Bromochloromethane	ND		50.0	49.3		ug/L		99	64 - 140
Bromodichloromethane	ND		50.0	49.9		ug/L		100	59 - 143
Bromoform	ND		50.0	47.9		ug/L		96	50 - 140
Bromomethane	ND		40.0	34.2		ug/L		85	10 - 160
2-Butanone (MEK)	ND		200	200		ug/L		100	55 - 150
Carbon disulfide	ND		50.0	48.4		ug/L		97	48 - 152
Carbon tetrachloride	ND		50.0	46.1		ug/L		92	55 - 145
Chlorobenzene	ND		50.0	52.9		ug/L		106	64 - 130
Dibromochloromethane	ND		50.0	50.1		ug/L		100	56 - 143
Chloroethane	ND		40.0	45.1		ug/L		113	50 - 151
2-Chloroethyl vinyl ether	ND	F1	40.0	ND	F1	ug/L		0	10 - 160
Chloroform	ND		50.0	49.2		ug/L		98	60 - 141
1-Chlorohexane	ND		50.0	51.2		ug/L		102	56 - 136
Chloromethane	ND		40.0	45.5		ug/L		114	49 - 148
cis-1,2-Dichloroethene	ND		50.0	49.6		ug/L		99	59 - 143
cis-1,3-Dichloropropene	ND		50.0	50.2		ug/L		100	57 - 140
1,2-Dichlorobenzene	ND		50.0	50.8		ug/L		102	52 - 137
1,3-Dichlorobenzene	ND		50.0	50.2		ug/L		100	54 - 135
1,4-Dichlorobenzene	ND		50.0	52.1		ug/L		104	53 - 135
Dichlorodifluoromethane	ND		40.0	46.4		ug/L		116	16 - 160
1,1-Dichloroethane	ND		50.0	50.7		ug/L		101	61 - 144
1,2-Dichloroethane	ND		50.0	50.2		ug/L		100	60 - 141
1,1-Dichloroethene	ND		50.0	49.0		ug/L		98	54 - 147
1,2-Dichloropropane	ND		50.0	49.1		ug/L		98	66 - 137
1,3-Dichloropropane	ND		50.0	53.1		ug/L		106	66 - 133

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

Lab Sample ID: 400-124810-A-2 MS
Matrix: Water
Analysis Batch: 315667

Client Sample ID: Matrix Spike
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	46.8		ug/L		94	42 - 144
1,1-Dichloropropene	ND		50.0	50.2		ug/L		100	65 - 136
Ethylbenzene	ND		50.0	51.0		ug/L		102	58 - 131
Ethyl methacrylate	ND		50.0	53.7		ug/L		107	64 - 130
Hexachlorobutadiene	ND		50.0	46.3		ug/L		93	31 - 149
2-Hexanone	ND		200	213		ug/L		107	65 - 140
Isopropylbenzene	ND		50.0	50.8		ug/L		102	56 - 133
Methylene bromide	ND		50.0	50.7		ug/L		101	63 - 138
Methylene Chloride	ND		50.0	49.2		ug/L		98	60 - 146
4-Methyl-2-pentanone (MIBK)	ND		200	216		ug/L		108	63 - 146
Methyl tert-butyl ether	ND		50.0	49.8		ug/L		100	59 - 137
m-Xylene & p-Xylene	2.7	J	50.0	53.3		ug/L		101	57 - 130
Naphthalene	1.1		50.0	53.3		ug/L		104	25 - 160
n-Butylbenzene	ND		50.0	47.0		ug/L		94	41 - 142
N-Propylbenzene	ND		50.0	48.4		ug/L		97	51 - 138
o-Chlorotoluene	ND		50.0	46.6		ug/L		93	53 - 134
o-Xylene	ND		50.0	50.9		ug/L		102	61 - 130
p-Chlorotoluene	ND		50.0	49.3		ug/L		99	54 - 133
p-Isopropyltoluene	ND		50.0	47.4		ug/L		95	48 - 139
sec-Butylbenzene	ND		50.0	47.4		ug/L		95	50 - 138
Styrene	ND		50.0	50.1		ug/L		100	58 - 131
tert-Butylbenzene	ND		50.0	51.1		ug/L		102	54 - 146
1,1,1,2-Tetrachloroethane	ND		50.0	50.6		ug/L		101	59 - 137
1,1,2,2-Tetrachloroethane	ND		50.0	55.7		ug/L		111	66 - 135
Tetrachloroethene	ND		50.0	50.7		ug/L		101	52 - 133
Toluene	ND		50.0	52.4		ug/L		105	65 - 130
trans-1,2-Dichloroethene	ND		50.0	48.9		ug/L		98	61 - 143
trans-1,3-Dichloropropene	ND		50.0	52.1		ug/L		104	53 - 133
1,2,3-Trichlorobenzene	ND		50.0	51.1		ug/L		102	43 - 145
1,2,4-Trichlorobenzene	ND		50.0	51.4		ug/L		103	39 - 148
1,1,1-Trichloroethane	ND		50.0	49.9		ug/L		100	57 - 142
1,1,2-Trichloroethane	ND		50.0	54.1		ug/L		108	66 - 131
Trichloroethene	ND		50.0	51.0		ug/L		102	64 - 136
Trichlorofluoromethane	ND		40.0	43.0		ug/L		108	54 - 156
1,2,3-Trichloropropane	ND		50.0	54.9		ug/L		110	65 - 133
1,2,4-Trimethylbenzene	0.86	J	50.0	47.9		ug/L		94	50 - 139
1,3,5-Trimethylbenzene	ND		50.0	51.4		ug/L		103	52 - 135
Vinyl acetate	ND		80.0	82.5		ug/L		103	26 - 160
Vinyl chloride	ND		40.0	44.9		ug/L		112	46 - 152
Xylenes, Total	2.7	J	100	104		ug/L		102	59 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*102*		*78 - 118*
Dibromofluoromethane	*100*		*81 - 121*
Toluene-d8 (Surr)	*101*		*80 - 120*

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

Lab Sample ID: 400-124810-A-2 MSD
Matrix: Water
Analysis Batch: 315667

Client Sample ID: Matrix Spike Duplicate
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	186		ug/L		93	43 - 160	8	30
Acrolein	ND		400	421		ug/L		105	38 - 160	5	31
Acrylonitrile	ND		500	540		ug/L		108	62 - 149	0	30
Benzene	2.2		50.0	52.1		ug/L		100	56 - 142	1	30
Bromobenzene	ND		50.0	51.4		ug/L		103	59 - 136	2	30
Bromochloromethane	ND		50.0	48.7		ug/L		97	64 - 140	1	30
Bromodichloromethane	ND		50.0	50.0		ug/L		100	59 - 143	0	30
Bromoform	ND		50.0	49.4		ug/L		99	50 - 140	3	30
Bromomethane	ND		40.0	34.5		ug/L		86	10 - 160	1	50
2-Butanone (MEK)	ND		200	202		ug/L		101	55 - 150	1	30
Carbon disulfide	ND		50.0	48.6		ug/L		97	48 - 152	0	30
Carbon tetrachloride	ND		50.0	46.9		ug/L		94	55 - 145	2	30
Chlorobenzene	ND		50.0	51.6		ug/L		103	64 - 130	3	30
Dibromochloromethane	ND		50.0	51.5		ug/L		103	56 - 143	3	30
Chloroethane	ND		40.0	43.2		ug/L		108	50 - 151	4	30
2-Chloroethyl vinyl ether	ND	F1	40.0	ND	F1	ug/L		0	10 - 160	NC	50
Chloroform	ND		50.0	49.2		ug/L		98	60 - 141	0	30
1-Chlorohexane	ND		50.0	50.6		ug/L		101	56 - 136	1	30
Chloromethane	ND		40.0	43.9		ug/L		110	49 - 148	3	31
cis-1,2-Dichloroethene	ND		50.0	49.4		ug/L		99	59 - 143	0	30
cis-1,3-Dichloropropene	ND		50.0	50.2		ug/L		100	57 - 140	0	30
1,2-Dichlorobenzene	ND		50.0	49.4		ug/L		99	52 - 137	3	30
1,3-Dichlorobenzene	ND		50.0	48.9		ug/L		98	54 - 135	3	30
1,4-Dichlorobenzene	ND		50.0	49.9		ug/L		100	53 - 135	4	30
Dichlorodifluoromethane	ND		40.0	44.7		ug/L		112	16 - 160	4	31
1,1-Dichloroethane	ND		50.0	50.9		ug/L		102	61 - 144	0	30
1,2-Dichloroethane	ND		50.0	50.1		ug/L		100	60 - 141	0	30
1,1-Dichloroethene	ND		50.0	51.8		ug/L		104	54 - 147	5	30
1,2-Dichloropropane	ND		50.0	49.1		ug/L		98	66 - 137	0	30
1,3-Dichloropropane	ND		50.0	52.7		ug/L		105	66 - 133	1	30
2,2-Dichloropropane	ND		50.0	47.4		ug/L		95	42 - 144	1	31
1,1-Dichloropropene	ND		50.0	50.4		ug/L		101	65 - 136	1	30
Ethylbenzene	ND		50.0	50.5		ug/L		101	58 - 131	1	30
Ethyl methacrylate	ND		50.0	53.6		ug/L		107	64 - 130	0	30
Hexachlorobutadiene	ND		50.0	45.0		ug/L		90	31 - 149	3	36
2-Hexanone	ND		200	215		ug/L		108	65 - 140	1	30
Isopropylbenzene	ND		50.0	50.0		ug/L		100	56 - 133	1	30
Methylene bromide	ND		50.0	50.4		ug/L		101	63 - 138	1	30
Methylene Chloride	ND		50.0	49.5		ug/L		99	60 - 146	1	32
4-Methyl-2-pentanone (MIBK)	ND		200	216		ug/L		108	63 - 146	0	30
Methyl tert-butyl ether	ND		50.0	50.3		ug/L		101	59 - 137	1	30
m-Xylene & p-Xylene	2.7	J	50.0	52.3		ug/L		99	57 - 130	2	30
Naphthalene	1.1		50.0	51.4		ug/L		101	25 - 160	4	30
n-Butylbenzene	ND		50.0	44.6		ug/L		89	41 - 142	5	31
N-Propylbenzene	ND		50.0	48.1		ug/L		96	51 - 138	1	30
o-Chlorotoluene	ND		50.0	45.6		ug/L		91	53 - 134	2	30
o-Xylene	ND		50.0	50.1		ug/L		100	61 - 130	2	30
p-Chlorotoluene	ND		50.0	47.9		ug/L		96	54 - 133	3	30

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

Lab Sample ID: 400-124810-A-2 MSD
Matrix: Water
Analysis Batch: 315667

Client Sample ID: Matrix Spike Duplicate
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	3	30
sec-Butylbenzene	ND		50.0	46.6		ug/L		93	50 - 138	2	30
Styrene	ND		50.0	48.9		ug/L		98	58 - 131	3	30
tert-Butylbenzene	ND		50.0	50.4		ug/L		101	54 - 146	1	30
1,1,1,2-Tetrachloroethane	ND		50.0	51.0		ug/L		102	59 - 137	1	30
1,1,2,2-Tetrachloroethane	ND		50.0	55.9		ug/L		112	66 - 135	0	30
Tetrachloroethene	ND		50.0	49.9		ug/L		100	52 - 133	2	30
Toluene	ND		50.0	51.9		ug/L		104	65 - 130	1	30
trans-1,2-Dichloroethene	ND		50.0	48.9		ug/L		98	61 - 143	0	30
trans-1,3-Dichloropropene	ND		50.0	51.9		ug/L		104	53 - 133	0	30
1,2,3-Trichlorobenzene	ND		50.0	49.2		ug/L		98	43 - 145	4	30
1,2,4-Trichlorobenzene	ND		50.0	48.1		ug/L		96	39 - 148	7	30
1,1,1-Trichloroethane	ND		50.0	50.5		ug/L		101	57 - 142	1	30
1,1,2-Trichloroethane	ND		50.0	53.9		ug/L		108	66 - 131	0	30
Trichloroethene	ND		50.0	51.3		ug/L		103	64 - 136	1	30
Trichlorofluoromethane	ND		40.0	41.9		ug/L		105	54 - 156	3	30
1,2,3-Trichloropropane	ND		50.0	55.2		ug/L		110	65 - 133	1	30
1,2,4-Trimethylbenzene	0.86	J	50.0	46.2		ug/L		91	50 - 139	4	30
1,3,5-Trimethylbenzene	ND		50.0	50.4		ug/L		101	52 - 135	2	30
Vinyl acetate	ND		80.0	80.5		ug/L		101	26 - 160	2	33
Vinyl chloride	ND		40.0	43.8		ug/L		109	46 - 152	3	30
Xylenes, Total	2.7	J	100	102		ug/L		100	59 - 130	2	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*103*		*78 - 118*
Dibromofluoromethane	*101*		*81 - 121*
Toluene-d8 (Surr)	*102*		*80 - 120*

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

Lab Sample ID: MB 400-316715/1-A
Matrix: Water
Analysis Batch: 317131

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 316715

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		08/01/16 08:52	08/03/16 15:05	1
Benzenethiol	ND		10	1.7	ug/L		08/01/16 08:52	08/03/16 15:05	1
Benzoic acid	ND		30	7.3	ug/L		08/01/16 08:52	08/03/16 15:05	1
Benzyl alcohol	ND		10	2.0	ug/L		08/01/16 08:52	08/03/16 15:05	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		08/01/16 08:52	08/03/16 15:05	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		08/01/16 08:52	08/03/16 15:05	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		08/01/16 08:52	08/03/16 15:05	1
Bis(2-ethylhexyl) phthalate	3.58	J	10	2.3	ug/L		08/01/16 08:52	08/03/16 15:05	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		08/01/16 08:52	08/03/16 15:05	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		08/01/16 08:52	08/03/16 15:05	1
4-Chloroaniline	ND		10	3.4	ug/L		08/01/16 08:52	08/03/16 15:05	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		08/01/16 08:52	08/03/16 15:05	1
2-Chloronaphthalene	ND		10	0.52	ug/L		08/01/16 08:52	08/03/16 15:05	1

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

Lab Sample ID: MB 400-316715/1-A
Matrix: Water
Analysis Batch: 317131

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 316715

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorophenol	ND		10	2.2	ug/L		08/01/16 08:52	08/03/16 15:05	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		08/01/16 08:52	08/03/16 15:05	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		08/01/16 08:52	08/03/16 15:05	1
Dibenzofuran	ND		10	0.52	ug/L		08/01/16 08:52	08/03/16 15:05	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		08/01/16 08:52	08/03/16 15:05	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		08/01/16 08:52	08/03/16 15:05	1
Diethyl phthalate	ND		10	0.70	ug/L		08/01/16 08:52	08/03/16 15:05	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		08/01/16 08:52	08/03/16 15:05	1
Dimethyl phthalate	ND		10	0.60	ug/L		08/01/16 08:52	08/03/16 15:05	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		08/01/16 08:52	08/03/16 15:05	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		08/01/16 08:52	08/03/16 15:05	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		08/01/16 08:52	08/03/16 15:05	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		08/01/16 08:52	08/03/16 15:05	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		08/01/16 08:52	08/03/16 15:05	1
Di-n-octyl phthalate	1.09	J	10	0.44	ug/L		08/01/16 08:52	08/03/16 15:05	1
1,4-Dioxane	ND		10	1.0	ug/L		08/01/16 08:52	08/03/16 15:05	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		08/01/16 08:52	08/03/16 15:05	1
Hexachlorobenzene	ND		10	0.25	ug/L		08/01/16 08:52	08/03/16 15:05	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		08/01/16 08:52	08/03/16 15:05	1
Hexachloroethane	ND		10	4.2	ug/L		08/01/16 08:52	08/03/16 15:05	1
Indene	ND		10	1.0	ug/L		08/01/16 08:52	08/03/16 15:05	1
Isophorone	ND		10	0.57	ug/L		08/01/16 08:52	08/03/16 15:05	1
2-Methylphenol	ND		10	1.8	ug/L		08/01/16 08:52	08/03/16 15:05	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		08/01/16 08:52	08/03/16 15:05	1
2-Nitroaniline	ND		10	2.2	ug/L		08/01/16 08:52	08/03/16 15:05	1
3-Nitroaniline	ND		10	1.8	ug/L		08/01/16 08:52	08/03/16 15:05	1
4-Nitroaniline	ND		10	2.5	ug/L		08/01/16 08:52	08/03/16 15:05	1
Nitrobenzene	ND		10	0.55	ug/L		08/01/16 08:52	08/03/16 15:05	1
2-Nitrophenol	ND		10	0.65	ug/L		08/01/16 08:52	08/03/16 15:05	1
4-Nitrophenol	ND		10	2.1	ug/L		08/01/16 08:52	08/03/16 15:05	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		08/01/16 08:52	08/03/16 15:05	1
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		08/01/16 08:52	08/03/16 15:05	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		08/01/16 08:52	08/03/16 15:05	1
Pentachlorophenol	ND		20	1.8	ug/L		08/01/16 08:52	08/03/16 15:05	1
Phenol	ND		10	2.6	ug/L		08/01/16 08:52	08/03/16 15:05	1
Pyridine	ND		10	3.2	ug/L		08/01/16 08:52	08/03/16 15:05	1
Quinoline	ND		10	6.0	ug/L		08/01/16 08:52	08/03/16 15:05	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		08/01/16 08:52	08/03/16 15:05	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		08/01/16 08:52	08/03/16 15:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*92*		*34 - 120*	*08/01/16 08:52*	*08/03/16 15:05*	*1*
2-Fluorophenol	*79*		*10 - 120*	*08/01/16 08:52*	*08/03/16 15:05*	*1*
Nitrobenzene-d5	*81*		*27 - 120*	*08/01/16 08:52*	*08/03/16 15:05*	*1*
Phenol-d5	*82*		*10 - 120*	*08/01/16 08:52*	*08/03/16 15:05*	*1*
Terphenyl-d14	*99*		*53 - 125*	*08/01/16 08:52*	*08/03/16 15:05*	*1*
2,4,6-Tribromophenol	*98*		*15 - 135*	*08/01/16 08:52*	*08/03/16 15:05*	*1*

Lab Sample ID: LCS 400-316715/2-A
Matrix: Water
Analysis Batch: 317131

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 316715

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aniline	30.0	19.2		ug/L		64	10 - 145
Benzoic acid	121	105		ug/L		87	10 - 120
Benzyl alcohol	30.0	22.5		ug/L		75	51 - 121
Bis(2-chloroethoxy)methane	30.0	22.6		ug/L		75	54 - 123
Bis(2-chloroethyl)ether	30.0	20.1		ug/L		67	47 - 120
bis (2-chloroisopropyl) ether	30.0	17.4		ug/L		58	20 - 142
Bis(2-ethylhexyl) phthalate	30.0	28.7		ug/L		96	62 - 140
4-Bromophenyl phenyl ether	30.0	28.3		ug/L		94	62 - 132
Butyl benzyl phthalate	30.0	26.6		ug/L		89	51 - 150
4-Chloroaniline	30.0	20.9		ug/L		70	32 - 128
4-Chloro-3-methylphenol	30.0	27.5		ug/L		92	47 - 135
2-Chloronaphthalene	30.0	25.8		ug/L		86	24 - 150
2-Chlorophenol	30.0	22.4		ug/L		75	45 - 120
4-Chlorophenyl phenyl ether	30.0	27.3		ug/L		91	61 - 133
Dibenz[a,h]acridine	30.0	27.0		ug/L		90	60 - 131
Dibenzofuran	30.0	25.4		ug/L		85	62 - 124
3,3'-Dichlorobenzidine	40.0	37.6		ug/L		94	16 - 167
2,4-Dichlorophenol	30.0	26.9		ug/L		90	52 - 125
Diethyl phthalate	30.0	26.1		ug/L		87	55 - 140
2,4-Dimethylphenol	30.0	22.5		ug/L		75	52 - 121
Dimethyl phthalate	30.0	26.6		ug/L		89	50 - 133
Di-n-butyl phthalate	30.0	25.2		ug/L		84	59 - 144
4,6-Dinitro-ortho-cresol	60.0	54.9		ug/L		91	46 - 136
2,4-Dinitrophenol	101	99.4		ug/L		98	22 - 146
2,4-Dinitrotoluene	30.0	28.1		ug/L		94	54 - 141
2,6-Dinitrotoluene	30.0	28.2		ug/L		94	61 - 130
Di-n-octyl phthalate	30.0	27.1		ug/L		90	55 - 140
1,4-Dioxane	30.0	15.9		ug/L		53	10 - 130
1,2-Diphenylhydrazine (as Azobenzene)	30.0	21.3		ug/L		71	55 - 139
Hexachlorobenzene	30.0	28.9		ug/L		96	60 - 138
Hexachlorocyclopentadiene	30.0	26.1		ug/L		87	1 - 139
Hexachloroethane	30.0	21.7		ug/L		72	46 - 121
Indene	30.0	22.7		ug/L		76	17 - 141
Isophorone	30.0	22.3		ug/L		74	57 - 122
2-Methylphenol	30.0	22.9		ug/L		76	38 - 121
3 & 4 Methylphenol	30.0	22.6		ug/L		75	43 - 126
2-Nitroaniline	30.0	30.5		ug/L		102	52 - 135
3-Nitroaniline	30.0	23.2		ug/L		77	51 - 128
4-Nitroaniline	30.0	23.8		ug/L		79	38 - 141
Nitrobenzene	30.0	21.3		ug/L		71	52 - 128
2-Nitrophenol	30.0	24.7		ug/L		82	47 - 129
4-Nitrophenol	60.0	51.0		ug/L		85	34 - 137
N-Nitrosodimethylamine	30.0	18.5		ug/L		62	21 - 134
N-Nitrosodi-n-propylamine	30.0	19.4		ug/L		65	41 - 143
N-Nitrosodiphenylamine	30.0	25.5		ug/L		85	10 - 185
Pentachlorophenol	60.0	52.7		ug/L		88	38 - 138
Phenol	30.0	21.0		ug/L		70	37 - 120
Pyridine	30.0	15.4		ug/L		51	10 - 127
Quinoline	30.0	26.3		ug/L		88	10 - 164

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

Lab Sample ID: LCS 400-316715/2-A
Matrix: Water
Analysis Batch: 317131

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 316715

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4,5-Trichlorophenol	30.0	30.9		ug/L		103	53 - 130
2,4,6-Trichlorophenol	30.0	29.9		ug/L		100	52 - 131

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*88*		*34 - 120*
2-Fluorophenol	*75*		*10 - 120*
Nitrobenzene-d5	*76*		*27 - 120*
Phenol-d5	*78*		*10 - 120*
Terphenyl-d14	*97*		*53 - 125*
2,4,6-Tribromophenol	*109*		*15 - 135*

Lab Sample ID: LCSD 400-316715/3-A
Matrix: Water
Analysis Batch: 317131

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 316715

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aniline	30.0	21.5		ug/L		72	10 - 145	11	30
Benzoic acid	121	83.7		ug/L		69	10 - 120	23	30
Benzyl alcohol	30.0	23.7		ug/L		79	51 - 121	5	30
Bis(2-chloroethoxy)methane	30.0	23.0		ug/L		77	54 - 123	2	30
Bis(2-chloroethyl)ether	30.0	21.6		ug/L		72	47 - 120	7	30
bis (2-chloroisopropyl) ether	30.0	18.4		ug/L		61	20 - 142	5	30
Bis(2-ethylhexyl) phthalate	30.0	34.4		ug/L		115	62 - 140	18	30
4-Bromophenyl phenyl ether	30.0	30.6		ug/L		102	62 - 132	8	30
Butyl benzyl phthalate	30.0	28.3		ug/L		94	51 - 150	6	30
4-Chloroaniline	30.0	22.5		ug/L		75	32 - 128	7	30
4-Chloro-3-methylphenol	30.0	27.9		ug/L		93	47 - 135	1	30
2-Chloronaphthalene	30.0	27.4		ug/L		91	24 - 150	6	30
2-Chlorophenol	30.0	23.9		ug/L		80	45 - 120	7	30
4-Chlorophenyl phenyl ether	30.0	29.0		ug/L		97	61 - 133	6	30
Dibenz[a,h]acridine	30.0	25.5		ug/L		85	60 - 131	6	30
Dibenzofuran	30.0	27.0		ug/L		90	62 - 124	6	30
3,3'-Dichlorobenzidine	40.0	40.6		ug/L		101	16 - 167	7	30
2,4-Dichlorophenol	30.0	27.3		ug/L		91	52 - 125	2	30
Diethyl phthalate	30.0	28.0		ug/L		93	55 - 140	7	30
2,4-Dimethylphenol	30.0	23.8		ug/L		79	52 - 121	6	30
Dimethyl phthalate	30.0	28.1		ug/L		94	50 - 133	6	30
Di-n-butyl phthalate	30.0	27.1		ug/L		90	59 - 144	7	30
4,6-Dinitro-ortho-cresol	60.0	59.8		ug/L		100	46 - 136	9	30
2,4-Dinitrophenol	101	107		ug/L		106	22 - 146	7	30
2,4-Dinitrotoluene	30.0	30.1		ug/L		100	54 - 141	7	30
2,6-Dinitrotoluene	30.0	29.9		ug/L		100	61 - 130	6	30
Di-n-octyl phthalate	30.0	28.5		ug/L		95	55 - 140	5	30
1,4-Dioxane	30.0	16.2		ug/L		54	10 - 130	2	30
1,2-Diphenylhydrazine (as Azobenzene)	30.0	22.6		ug/L		75	55 - 139	6	30
Hexachlorobenzene	30.0	31.0		ug/L		103	60 - 138	7	30
Hexachlorocyclopentadiene	30.0	26.8		ug/L		89	1 - 139	3	30

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

Lab Sample ID: LCSD 400-316715/3-A
Matrix: Water
Analysis Batch: 317131

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 316715

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Hexachloroethane	30.0	22.9		ug/L		76	46 - 121	6	30
Indene	30.0	22.5		ug/L		75	17 - 141	0	30
Isophorone	30.0	22.9		ug/L		76	57 - 122	3	30
2-Methylphenol	30.0	24.6		ug/L		82	38 - 121	7	30
3 & 4 Methylphenol	30.0	24.2		ug/L		81	43 - 126	6	30
2-Nitroaniline	30.0	31.8		ug/L		106	52 - 135	4	30
3-Nitroaniline	30.0	24.7		ug/L		82	51 - 128	6	30
4-Nitroaniline	30.0	25.3		ug/L		84	38 - 141	6	30
Nitrobenzene	30.0	21.5		ug/L		72	52 - 128	1	30
2-Nitrophenol	30.0	25.6		ug/L		85	47 - 129	3	30
4-Nitrophenol	60.0	54.5		ug/L		91	34 - 137	7	30
N-Nitrosodimethylamine	30.0	19.6		ug/L		65	21 - 134	6	30
N-Nitrosodi-n-propylamine	30.0	21.0		ug/L		70	41 - 143	8	30
N-Nitrosodiphenylamine	30.0	27.4		ug/L		91	10 - 185	7	30
Pentachlorophenol	60.0	55.7		ug/L		93	38 - 138	6	30
Phenol	30.0	22.5		ug/L		75	37 - 120	7	30
Pyridine	30.0	17.6		ug/L		59	10 - 127	14	30
Quinoline	30.0	25.1		ug/L		84	10 - 164	5	30
2,4,5-Trichlorophenol	30.0	32.7		ug/L		109	53 - 130	6	30
2,4,6-Trichlorophenol	30.0	31.8		ug/L		106	52 - 131	6	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*83*		*34 - 120*
2-Fluorophenol	*70*		*10 - 120*
Nitrobenzene-d5	*68*		*27 - 120*
Phenol-d5	*74*		*10 - 120*
Terphenyl-d14	*90*		*53 - 125*
2,4,6-Tribromophenol	*102*		*15 - 135*

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

Lab Sample ID: MB 400-316715/1-A
Matrix: Water
Analysis Batch: 317026

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 316715

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.020	ug/L		08/01/16 08:52	08/03/16 11:31	1
Acenaphthylene	ND		0.20	0.020	ug/L		08/01/16 08:52	08/03/16 11:31	1
Anthracene	ND		0.20	0.020	ug/L		08/01/16 08:52	08/03/16 11:31	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		08/01/16 08:52	08/03/16 11:31	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		08/01/16 08:52	08/03/16 11:31	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		08/01/16 08:52	08/03/16 11:31	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		08/01/16 08:52	08/03/16 11:31	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		08/01/16 08:52	08/03/16 11:31	1
Chrysene	ND		0.20	0.040	ug/L		08/01/16 08:52	08/03/16 11:31	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		08/01/16 08:52	08/03/16 11:31	1
Fluoranthene	ND		0.20	0.020	ug/L		08/01/16 08:52	08/03/16 11:31	1
Fluorene	ND		0.20	0.021	ug/L		08/01/16 08:52	08/03/16 11:31	1

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

Lab Sample ID: MB 400-316715/1-A
Matrix: Water
Analysis Batch: 317026

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 316715

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		08/01/16 08:52	08/03/16 11:31	1
Phenanthrene	ND		0.20	0.020	ug/L		08/01/16 08:52	08/03/16 11:31	1
Pyrene	ND		0.20	0.020	ug/L		08/01/16 08:52	08/03/16 11:31	1
1-Methylnaphthalene	ND		0.20	0.020	ug/L		08/01/16 08:52	08/03/16 11:31	1
2-Methylnaphthalene	ND		0.20	0.020	ug/L		08/01/16 08:52	08/03/16 11:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*55*		*33 - 138*	*08/01/16 08:52*	*08/03/16 11:31*	*1*
2-Fluorobiphenyl	*51*		*15 - 122*	*08/01/16 08:52*	*08/03/16 11:31*	*1*
Nitrobenzene-d5	*45*		*19 - 130*	*08/01/16 08:52*	*08/03/16 11:31*	*1*

Lab Sample ID: LCS 400-316715/2-A
Matrix: Water
Analysis Batch: 317026

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 316715

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	30.0	22.4		ug/L		75	41 - 120
Acenaphthylene	30.0	22.0		ug/L		73	44 - 120
Anthracene	30.0	23.9		ug/L		80	49 - 120
Benzo[a]anthracene	30.0	25.9		ug/L		86	61 - 135
Benzo[a]pyrene	30.0	24.3		ug/L		81	52 - 120
Benzo[b]fluoranthene	30.0	27.0		ug/L		90	53 - 134
Benzo[g,h,i]perylene	30.0	24.3		ug/L		81	47 - 133
Benzo[k]fluoranthene	30.0	21.4		ug/L		71	57 - 134
Chrysene	30.0	22.0		ug/L		73	55 - 122
Dibenz(a,h)anthracene	30.0	24.4		ug/L		81	48 - 146
Fluoranthene	30.0	26.2		ug/L		87	54 - 128
Fluorene	30.0	23.4		ug/L		78	45 - 125
Indeno[1,2,3-cd]pyrene	30.0	24.0		ug/L		80	43 - 142
Phenanthrene	30.0	24.7		ug/L		82	48 - 120
Pyrene	30.0	21.3		ug/L		71	48 - 132
1-Methylnaphthalene	30.0	18.4		ug/L		61	41 - 120
2-Methylnaphthalene	30.0	18.5		ug/L		62	32 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Terphenyl-d14	*80*		*33 - 138*
2-Fluorobiphenyl	*80*		*15 - 122*
Nitrobenzene-d5	*67*		*19 - 130*

Lab Sample ID: LCSD 400-316715/3-A
Matrix: Water
Analysis Batch: 317026

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 316715

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	30.0	24.3		ug/L		81	41 - 120	8	56
Acenaphthylene	30.0	23.6		ug/L		79	44 - 120	7	56
Anthracene	30.0	25.5		ug/L		85	49 - 120	6	51
Benzo[a]anthracene	30.0	27.7		ug/L		92	61 - 135	6	49

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

Lab Sample ID: LCSD 400-316715/3-A
Matrix: Water
Analysis Batch: 317026

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 316715

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzo[a]pyrene	30.0	26.0		ug/L		87	52 - 120	7	50
Benzo[b]fluoranthene	30.0	27.7		ug/L		92	53 - 134	3	54
Benzo[g,h,i]perylene	30.0	27.3		ug/L		91	47 - 133	12	50
Benzo[k]fluoranthene	30.0	24.4		ug/L		81	57 - 134	13	52
Chrysene	30.0	23.6		ug/L		79	55 - 122	7	50
Dibenz(a,h)anthracene	30.0	27.8		ug/L		93	48 - 146	13	50
Fluoranthene	30.0	28.4		ug/L		95	54 - 128	8	52
Fluorene	30.0	24.9		ug/L		83	45 - 125	6	56
Indeno[1,2,3-cd]pyrene	30.0	27.0		ug/L		90	43 - 142	12	51
Phenanthrene	30.0	26.0		ug/L		87	48 - 120	5	56
Pyrene	30.0	22.4		ug/L		75	48 - 132	5	52
1-Methylnaphthalene	30.0	19.9		ug/L		66	41 - 120	8	55
2-Methylnaphthalene	30.0	20.1		ug/L		67	32 - 124	8	57

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Terphenyl-d14	*73*		*33 - 138*
2-Fluorobiphenyl	*77*		*15 - 122*
Nitrobenzene-d5	*63*		*19 - 130*

Method: 8011 - EDB and DBCP in Water by Microextraction

Lab Sample ID: MB 400-315512/1-A
Matrix: Water
Analysis Batch: 315812

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 315512

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		07/24/16 10:51	07/25/16 09:35	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		07/24/16 10:51	07/25/16 09:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*51 - 149*	*07/24/16 10:51*	*07/25/16 09:35*	*1*

Lab Sample ID: LCS 400-315512/2-A
Matrix: Water
Analysis Batch: 315812

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 315512

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	0.100	0.0973		ug/L		97	60 - 140
1,2-Dibromoethane	0.100	0.101		ug/L		101	60 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*51 - 149*

Method: 8011 - EDB and DBCP in Water by Microextraction (Continued)

Lab Sample ID: LCSD 400-315512/3-A
Matrix: Water
Analysis Batch: 315812

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 315512

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane			0.100	0.104		ug/L		104	60 - 140	7	30
1,2-Dibromoethane			0.100	0.0841		ug/L		84	60 - 140	18	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*96*		*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 Variation # 1854360 (TestAmerica)

Please Check Appropriate Box:

- ☐ SSW RDS ☐ PIPELINE ☐ RETAIL
- ☐ CHEMICALS ☐ CONSULTANT ☐ LUBES
- ☐ TRANSPORTATION ☑ OTHER _ENV. SERVICES

Print Bill To Contact Name: Bob Billman

PO #: 60477387 - 1.03.003 / 1.03.0033

PlaNet Site or Project ID: 25278

GSAP Project ID: USPC/00114/R/02

☐ CHECK IF INVOICE/CR IF APPLIES

DATE: 18 July 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 - 1.03.003 / 1.03.0033

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

SHIP DELIVERABLE TO (Name, Company, Cities Landing):

PHONE NO.:

E-MAIL:

AECOM Other ID

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

SAMPLER NAME(S) (Print): C. Williams / D. Haxel

LAB USE ONLY

TELEPHONE: 314-429-0100

FAX: 314-429-0462

E-MAIL TO CONTACT: bob.billman@aecom.com; elizabeth.kunkel@aecom.com; lindsay.rathnow@aecom.com

TURNAROUND TIME (BUSINESS DAYS):

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

REQUESTED ANALYSIS

UNIT COST 60477387 - 1.03.0033

NON-UNIT COST 60477387 - 1.03.003

☐ 1A - RWQCB REPORT FORMAT

DELIVERABLES: ☑ 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

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

FIELD NOTES:

TEMPERATURE ON RECEIPT C°

Container PID Readings or Laboratory Notes

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE: ICE	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	VOC 8011	PAH 8270LL	VOC 8260	SVOC 8270
	TB-ROX-071816-8011	7/18/16	0000	WATER	2					2	X			
	TB-ROX-071816-8260	"	0000	"	2					2			X	
	MW25-ROX-071816	"	0935	"	4			2		6	2	1	2	1

400-124866 COC

18 July 2016

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
		18 July 2016	1730
		7/19/16	1000

Version: 14Dec15

Custody Seal: Test America 784711 / 784712

Tracking # 6546 8383 9300

#2 IR5

Login Sample Receipt Checklist

Client: AECOM Technical Services Inc.

Job Number: 400-124666-1

Login Number: 124666
List Number: 1
Creator: Janish, Carl M

List Source: TestAmerica Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
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	0.7°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 (excluding tests with immediate HTs)	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.	N/A	
Residual Chlorine Checked.	N/A	

Certification Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 3Q16

TestAmerica Job ID: 400-124666-1

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	06-30-17
Arizona	State Program	9	AZ0710	01-11-17
Arkansas DEQ	State Program	6	88-0689	09-01-16
California	ELAP	9	2510	03-31-18
Florida	NELAP	4	E81010	06-30-17
Georgia	State Program	4	N/A	06-30-17
Illinois	NELAP	5	200041	10-09-16
Iowa	State Program	7	367	07-31-16 *
Kansas	NELAP	7	E-10253	10-31-16
Kentucky (UST)	State Program	4	53	06-30-17
Kentucky (WW)	State Program	4	98030	12-31-16
Louisiana	NELAP	6	30976	06-30-17
Maryland	State Program	3	233	09-30-17
Massachusetts	State Program	1	M-FL094	06-30-17
Michigan	State Program	5	9912	05-06-17
New Jersey	NELAP	2	FL006	06-30-17
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	06-30-17
Texas	NELAP	6	T104704286-15-9	09-30-16
USDA	Federal		P330-16-00172	05-24-19
Virginia	NELAP	3	460166	06-14-17
Washington	State Program	10	C915	05-15-17
West Virginia DEP	State Program	3	136	08-31-16

* Certification renewal pending - certification considered valid.

Roxana Groundwater Quarterly – 3rd Quarter 2016 Data Review

Laboratory SDG: 400-124666-1-R2

Data Reviewer: Melissa Mansker

Peer Reviewer: Elizabeth Kunkel

Date Reviewed: 9/15/2016

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

Sample Identification	Sample Identification
TB-ROX-071816-8011	TB-ROX-071816-8260
MW25-ROX-071816	

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 PAHs and SVOCs in sample MW25-ROX-071816 were extracted outside of the extraction holding time. Bis(2-ethylhexyl)phthalate and di-n-octyl phthalate were detected in the method blank. VOCs were diluted to bring analyte concentrations within calibration range. These issues are addressed further in the appropriate sections below. Additionally, the laboratory report was revised to correctly include the COC associated with samples listed above. Incorrect COCs had been inadvertently included in the initial laboratory report; no qualification of data was required. The laboratory report was also revised to correct the reported LCSD recovery for SVOC 4,6-dinitro-ortho-cresol due to not having used the corresponding re-integration result originally.

Additionally, the continuing calibration verification for azobenzene exceeded evaluation criteria. 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 the cooler was received by the laboratory at a temperature of 0.7°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?

No, PAHs and SVOCs in sample MW25-ROX-071816 were extracted 7 days outside of the extraction holding time criteria (7 days). Holding and extraction time exceedances were not greater than two times (2X) criteria; data requiring qualification is summarized in the following table.

Sample ID	Parameter	Analyte	Qualification
MW25-ROX-071816	PAHs	All non-detects	**UJ**

Sample ID	Parameter	Analyte	Qualification
MW25-ROX-071816	PAHs	1-Methylnaphthalene	**J**
MW25-ROX-071816	PAHs	2-Methylnaphthalene	**J**
MW25-ROX-071816	SVOCs	All non-detects	**UJ**
MW25-ROX-071816	SVOCs	Di-n-octyl phthalate	**UJ**
MW25-ROX-071816	SVOCs	Phenol	**J**

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 400-316715/1-A	SVOCs	Bis(2-ethylhexyl)phthalate	3.58 μg/L
MB 400-316715/1-A	SVOCs	Di-n-octyl phthalate	1.09 μg/L

Qualifications due to blank contamination are included in the table below. Analytical data that were reported non-detect or at concentrations greater than five times (5X) the associated blank concentration did not require qualification.

Sample ID	Parameter	Analyte	New Reporting Limit (RL)	Qualification
MW25-ROX-071816	SVOCs	Di-n-octyl phthalate	-	**U**

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?

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; analytes were detected in samples that were diluted.

12.0 Additional Qualifications

Were additional qualifications applied?

No