Periodic Review Report (PRR) - 2017

Sterling Drug Site 3
East Greenbush, New York

Eastman Kodak Company

GHD | 285 Delaware Avenue Buffalo New York 14202 United States

007830| 2017 | 45 | Report No 109 | May 18 2017

May 18, 2017

Ms. Ruth Curley
Project Manager
New York State Department of Environmental Conservation
Division of Environmental Remediation, BURB
625 Broadway
Albany, NY 12233-7016

Subject: Periodic Review Report (PRR) - 2017
Sterling Drug Site 3, East Greenbush, New York – Site 442011

Dear Ms. Curley:

Please find enclosed the Periodic Review Report (PRR) – 2017 for Sterling Drug Site 3 in East Greenbush, New York, prepared by our Consultant, GHD. The inspection, monitoring, and reporting were completed in accordance with the Site Management Plan (SMP). The SMP was revised on December 14, 2015, and approved by New York State Department of Environmental Conservation on February 18, 2016.

Please feel free to contact me if you have any questions or would like to discuss the project.

Sincerely,

Bryan P. Gallagher
Director of Environmental Remediation

Enc.

C: Michael Komoroske, NYSDEC (electronic copy)
Richard Mustico, NYSDEC (electronic copy)
Robert Adams, GHD (electronic copy)
Michael Okamoto, GHD (electronic copy)

Enclosure 2

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. **442011**

Site Name Sterling Drug Site 3

Site Address: Riverside Avenue Extension Zip Code: 12061
City/Town: East Greenbush
County: Rensselaer
Site Acreage: 7.0

Reporting Period: February 18, 2016 to May 19, 2017

	YES	NO
1. Is the information above correct?	☒	☐
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☐	☒
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	☒
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	☒
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?	☐	☒

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Closed Landfill	☒	☐
7. Are all ICs/ECs in place and functioning as designed?	☒	☐

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

SITE NO. 442011 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
165.-1-24	Kodak	Landuse Restriction
		Site Management Plan Monitoring Plan IC/EC Plan
		Ground Water Use Restriction

From Easement recorded 10/2/15 for OU1 Kodak parcel:

1. The property may be used for industrial use;
2. All ECs must be operated and maintained as specified in the SMP;
3. All ECs must be inspected at a frequency and in a manner defined in the SMP;
4. The use of groundwater underlying the property is prohibited without necessary water quality treatment;
5. Groundwater monitoring and other environmental or public health monitoring must be performed as defined in the SMP;
6. Data pertinent to Site Management of the Controlled Property must be reported at the frequency and in a manner defined in the SMP
6. All future activities that will disturb residually impacted material must be conducted in accordance with the SMP;
7. Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP;
8. Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical component of the remedy was performed as defined in the SMP;
9. Access to the Site must be provided to agents, employees, or other representatives of the State of New York; and
10. The potential for vapor intrusion must be evaluated for any buildings developed on the property

From ROD:

2. Imposition of an institutional control (ICs) in the form of an environmental easement that will require (a) development and compliance with an approved site management plan (SMP); (b) if groundwater is to be utilized at the site for drinking water or process water, then an acceptable water supply alternative or the necessary water quality treatment as determined by NYSDOH for the Sterling Drug Site 3 related contaminants of concern will be provided; (c) the on-site property owner to complete and submit to the Department a periodic certification of the institutional and engineering controls; and (d) the on-site property owner will be required to enter into an order on consent with the Department, to ensure the long tenn implementation, maintenance, monitoring and enforcement of the institutional controls for both the on and off-site areas.

3. Development of a site management plan which will include the following institutional and engineering controls: (a) management ofthe final cover system; (b) continued evaluation of the potential for vapor intrusion for any buildings developed on the site or in the area ofthe off-site' groundwater contamination, including provision for mitigation of any impacts identified; (c) if groundwater contaminated with site related chemicals is to be utilized at the off-site property(s) for drinking water or process water, then an acceptable water supply alternative or the necessary water quality treatment as detennined by NYSDOH will be provided; (d) monitoring of groundwater and soil vapor; (e) identification of any use restrictions on the site; (1) controlling site access where warranted; (g) provisions for the continued proper operation and maintenance ofthe components of the remedy.

4. The on-site property owner will provide a periodic certification of institutional and engineering controls, prepared and submitted by a professional engineer or such other expert acceptable to the Department, until the Department states in writing that this certification is no longer needed. This submittal will: (a) contain certification that the institutional controls and engineering controls put in place are still in place and are either unchanged from the previous certification or are compliant with Department-approved modifications; (b) allow the Department access to the site; and (c) state that nothing has occurred that will impair the ability ofthe control to protect public health or the environment, or constitute a violation or

failure to comply with the site management plan unless otherwise approved by the Department.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
165.-1-24	Cover System Fencing/Access Control

Site Cover System - from the March 1992 ROD
An impermeable cap will be placed over the site, with contours designed to minimize surface water run-on and enhance surface water run-off to the Papscanee Creek. Specific cap design details are noted in Section 5.3 of the June 2010 design report. These include a gas collection system, 60 mil liner, geocomposite drainage net, 18-inch barrier layer and 6-inch topsoil layer.

Box 5

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

   a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

   b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

YES	NO
☒	☐

2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

   (a) the Institutional Control and/or Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

   (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

   (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

   (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

   (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES	NO
☒	☐

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. 442011

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I A. Richard Szembrot (print name) at Eastman Kodak Company, 1999 Lake Ave., Rochester, NY 14652 (print business address),

am certifying as Remedial Party (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

A. Richard Szembrot
Signature of Owner, Remedial Party, or Designated Representative Rendering Certification

5-17-2017
Date

IC/EC CERTIFICATIONS

Box 7

Qualified Environmental Professional Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Robert G. Adams (print name) at GHD Consulting Services Inc. 285 Delaware Ave., Suite 500, Buffalo, NY 14202, (print business address)

am certifying as a Qualified Environmental Professional for the Remedial Party (Owner or Remedial Party)

Robert G. Adams — Signature of Qualified Environmental Professional, for the Owner or Remedial Party, Rendering Certification

Stamp (Required for PE)

05/17/17 — Date

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1. Site Overview

1.1 Site Background

Sterling Drug Site 3 (Site) is located on Riverside Avenue Extension in East Greenbush, Rensselaer County, New York. The Site location is presented on Figure 1. The Site is composed of two Operable Units. Operable Unit 1 (OU-1) consists of a fenced, inactive landfill, where an impermeable cover was constructed in 2012. Operable Unit 2 (OU-2) includes off-Site properties that have impacted groundwater related to historic operations of OU-1.

OU-1 is an approximately 7-acre area bounded by agricultural-use land (sod farm) to the north, Papscanee Creek to the south and west, and CSX Transportation railroad tracks to the east (see Figure 1). The site layout for OU-1 is presented on Figure 2.

The primary constituents of concern identified in the OU-1 soils during previous investigations included benzene, ethyl ether, toluene, xylenes, 4-methylphenol, and phenol. The impacts to groundwater in OU-1 have been reduced and controlled by former treatment systems that included air sparging, soil vapor extraction, and groundwater treatment. A groundwater plume (OU-2) consisting primarily of ethyl ether and pharmaceutical compounds has migrated from the former landfill in OU-1 through the upper unconsolidated aquifer approximately 2,400 feet to the northwest of OU-1.

Surface water and sediment in Papscanee Creek adjacent to OU-1 are not significantly impacted by the Site. Constituents with concentrations above reporting quantitation limits in historical surface water samples included acetone, toluene, 1,3-dichlorobenzene, and di-n-butyl phthalate. Constituents with concentrations above reporting quantitation limits in historical sediment samples included 2-butanone, acetone, cyclohexane, ethyl ether, and polyaromatic hydrocarbons (PAHs).

No Site-related soil vapor, sub-slab vapor, or air samples were collected and analyzed during historic investigations, since there are no continuously occupied structures on the Site or off-Site properties (OU-2).

1.2 Summary of Remedial Actions

The following is a summary of the Remedial Actions performed at the Site:

- Excavation of soil/fill to native soil or the water table, whichever was encountered first, at the perimeter of the impermeable cover and along the bank of Papscanee Creek and placement under the impermeable cover system as fill.
- Excavation of drums at electromagnetic anomalies along the perimeter of the impermeable cover and disposal off Site of any drums, drum materials, and adjacent impacted soils.

- Reconstruction of the excavated bank of Papscanee Creek and restoration of the creek bank with clay, river cobble, topsoil, erosion control blankets, and water-tolerant vegetation.
- Construction and maintenance of a soil cover system consisting from the bottom upwards of a gas collection layer, 60-mil very flexible polyethylene (VFPE) liner, geocomposite drainage net, 18 inches of common fill (soil protection layer), and 6 inches of vegetated topsoil to prevent human exposure to remaining contaminated soil/fill remaining at the Site.
- Construction of drainage swales.
- Installation of gas probes.
- Re-installation of the perimeter fence.
- Delineation of OU-2 properties impacted above the applicable Standards, Criteria and Guidance (SCGs).
- Execution and recording of an Environmental Easement to restrict land use and prevent future exposure to any contamination remaining at the site. Development and implementation of a Site Management Plan (SMP) for long term management of remaining contamination as required by the Environmental Easement, which includes plans for: (1) Institutional and Engineering Controls, (2) monitoring, (3) operation and maintenance, and (4) reporting. Table 1 presents a summary of the institutional and engineering controls for the Site.
- Annual Certification of the institutional and engineering controls.

Remedial activities were completed at the Site in December 2012. An environmental easement for OU-1 was recorded in October 2015 as presented in Appendix A. The SMP, designed to serve as a Site work plan for monitoring, inspection, maintenance, and reporting, was revised in December 2015 and approved by New York State Department of Environmental Conservation (NYSDEC) in February 2016. The inspection and monitoring requirements are summarized in Table 2.

This report presents the results of the groundwater and surface water monitoring events and Site inspections performed in 2016. The report is organized as follows:

- Section 1.0 – Site Overview
- Section 2.0 – Remedy Performance, Effectiveness, and Protectiveness
- Section 3.0 – Institutional and Engineering Controls
- Section 4.0 – Inspection and Maintenance Activities
- Section 5.0 – Monitoring
- Section 6.0 – Overall PRR Conclusions and Recommendations
- Section 7.0 – Certification

2. Remedy Performance, Effectiveness, and Protectiveness

2.1 Remediation Goals

The remediation goals for the Site are to eliminate or reduce to the extent practicable:

- The ingestion of groundwater with contaminant levels exceeding drinking water standards
- Contact with volatile organic compounds (VOCs) and or semi-volatile organic compounds (SVOCs), or inhalation of volatiles from contaminated groundwater

The remediation goals also include attaining to the extent practicable:

- Drinking water standards, based upon the potential to use groundwater as a drinking water source, for the site-specific, regulated, unspecified organic contaminants (UOCs)
- Restoration of the groundwater aquifer for the Sterling Drug Site 3 related contaminants

2.2 Remedy Performance, Effectiveness, and Protectiveness

The remedy consists of institutional controls, engineering controls, monitoring, inspection, maintenance, and reporting (see Table 1). The effectiveness of the remedy is discussed in subsequent section of this report.

3. Institutional and Engineering Controls

3.1 Institutional Controls (ICs)

The purpose of the ICs is to:

- Maintain and monitor the Engineering Controls (ECs)
- Prevent future exposure to remaining on-Site contamination by controlling disturbance of the subsurface contamination
- Limit the use and development of the Site to industrial uses only

The ICs that have been established for the Site must be:

- In compliance with the Environmental Easement and the SMP by the Grantor (currently Eastman Kodak Company) and the Grantor's successors and assigns
- Operated and maintained as specified in the SMP
- Inspected at a frequency and in a manner defined in the SMP

Data and information pertinent to management of the Site must be reported at the frequency and in a manner defined in the SMP.

Adherence to the ICs is required by the Environmental Easement. The ICs may not be discontinued without an amendment to or extinguishment of the Environmental Easement.

The Site has a series of ICs in the form of Site restrictions. Adherence to these ICs is required by the Environmental Easement. Site restrictions that apply to the Controlled Property are:

- Property Use: The Controlled Property may be used for industrial use, provided that the long-term ICs and ECs included in the SMP are adhered to. The Controlled Property may not be used for residential, restricted residential, or commercial purposes.
- Prohibition of Groundwater Use: The use of groundwater underlying the Controlled Property is prohibited without water quality treatment.
- Annual Certification: The Site owner or remedial party will submit to NYSDEC a written statement that certifies, under penalty of perjury, that:

    i) Controls employed at the Site are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC.

    ii) Nothing has occurred that impairs the ability of the controls to protect public health and the environment or that constitutes a violation or failure to comply with the SMP. NYSDEC retains the right to access the Site at any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow and will be made by an expert that the NYSDEC finds acceptable.

3.2 Engineering Controls (ECs)

Engineering controls are required to protect human health and the environment due to impacted groundwater and impacted soils and fill materials are present at the Site. Figure 2 presents the Site layout including the limits of the cover system and location of the Site fence.

The purpose of the ECs is to:

- Isolate the landfill materials from human contact and surface water run-off
- Minimize the infiltration of surface water through the cover system into the landfill
- Promote positive drainage of precipitation to Papscanee Creek
- Minimize erosion of the landfill cover
- Facilitate the venting and control of landfill gas
- Minimize unauthorized access to the Controlled Property

The EC systems at the Site consist of:

- Cover System: Exposure to remaining contamination in soil/fill at the Site is prevented by a soil cover system placed over the Controlled Property. The cover system and surface water controls also minimize surface infiltration from precipitation. The cover system is comprised of a gas collection layer, 60-mil VFPE liner, geocomposite drainage net, 18 inches of common fill (soil protection layer), and 6 inches of vegetated topsoil.

- Fencing/Access Control: Locked gates and a perimeter fence minimize unauthorized access to the Controlled Property.
- Groundwater and Surface Water Monitoring: Groundwater monitoring activities to assess natural attenuation will continue, as determined by the NYSDEC, until residual groundwater concentrations are found to be consistently below NYSDEC standards or have become asymptotic at an acceptable level over an extended period. Monitoring will continue until permission to discontinue is granted in writing by the NYSDEC. If groundwater contaminant levels become asymptotic at a level that is not acceptable to the NYSDEC, additional treatment, alternative water supply, or control measures will be evaluated. Surface water monitoring activities to monitor Papscanee Creek beside OU-1 will be performed in accordance with the SMP. The groundwater and surface water monitoring program under the SMP began in October 2016 and is summarized in Table 3.
- Soil Vapor: The potential for vapor intrusion must be evaluated for any buildings developed on the property.

4. Inspection and Maintenance Activities

A Site-wide inspection is required to be conducted annually, as specified in the SMP. The intent of the annual inspection is to assess the following:

- Compliance with all ICs including Site usage
- Condition and continued effectiveness of ECs
- General Site conditions at the time of inspection
- Performance of Site management activities including confirmation sampling and health and safety inspections, where appropriate
- Compliance with permits and schedules included in the Operation and Maintenance Plan
- Confirmation that Site records are complete and current

The inspection and maintenance activities were performed by GHD personnel in accordance with the requirements of the SMP.

The annual inspection was conducted on October 28, 2016. The following sections discuss the findings of the 2016 inspection. The completed Site inspection forms are provided in Appendix B.

4.1 Landfill and Site Features Inspection

In accordance with the SMP, a landfill and site features inspection was conducted by Mr. Brian Pickert of GHD on October 28, 2016. The locations of the extent of the cover system, eastern creek bank, and perimeter fence are presented on Figure 2. The locations of the monitoring wells, gas probes, and gas vents are presented on Figure 3.

All general Site features were in satisfactory condition, although two minor burrows were filled, locks on the monitoring wells MW-25 and MW-26 were replaced by keyed-alike locks, and the screen on

gas vent GVR-4 was replaced. No other issues were noted regarding the cover system, creek banks, monitoring wells, gas probes, gas vents, security, fencing, gate, locks, and access road.

Field measurements of methane, carbon dioxide, oxygen, pressure, and total organic vapor using a photoionization detector (PID) were collected at the gas probes and gas vents. The field measurements are presented in Table 4 and Appendix B. The field measurements are consistent with historical field measurements. Methane readings ranged from 0.0 percent to 0.2 percent. The field measurements indicate that the production of methane is not an issue at the Site.

4.2 Surface Water and Drainage Features Inspection

In accordance with the SMP, a surface water and drainage features inspection was conducted by Mr. Brian Pickert of GHD on October 28, 2016. The general elevations and slopes of the landfill, and creek location are presented on Figure 2. The condition of sediment build-up, riprap, erosion, settlement, and drainage for the swales and eastern bank of Papscanee Creek. The surface water and drainage features inspection form is presented in Appendix B.

The surface water and drainage features were in good condition. A minor buildup of sediment at the downstream portion of the drainage swale leading to Papscanee Creek in the northwest corner of OU-1 was re-worked to improve drainage flow.

5. Monitoring

5.1 Groundwater Monitoring

5.1.1 Monitoring Well Inspection

In accordance with the SMP, monitoring well inspections were conducted by Mr. Brian Pickert of GHD in conjunction with the groundwater monitoring event in October 2016. The locations of the monitoring wells are presented on Figure 3. The inspection of the monitoring wells included the conditions of protective casings, protective caps and locks, concrete aprons, polyvinyl chloride (PVC) well caps, and visible portions of the well casings. Monitoring well conditions are noted on the well inspection summary table presented in Appendix B.

All wells were noted to be in good condition with no repairs required at the time of inspection.

5.1.2 Groundwater Elevations

As part of the monitoring activities described in the SMP, groundwater levels were measured in each monitoring well using an electric water level meter. Water level measurements are summarized in Table 5. Based on the measured groundwater elevations, groundwater contours were prepared and are presented on Figure 4. The Site groundwater elevations are influenced by daily tidal changes in the Hudson River that cause significant variability to the measured groundwater elevations.

5.1.3 Groundwater Sampling

Groundwater samples were collected by Messrs. Brian Pickert and Bryan Foulke of GHD using Snap Samplers in October 2016 at the annual and biennial groundwater monitoring locations that are identified in the SMP. A summary of the monitoring locations and analyses is presented in Table 3. A duplicate sample was inadvertently not collected during the October groundwater monitoring event as specified in the SMP. This omission will be addressed in future groundwater monitoring events.

5.1.4 Groundwater Data Evaluation

The detected groundwater analytical data generated during this reporting period are summarized in the following tables:

- Table 6 – Summary of Detected Groundwater Analytical Results – Upgradient and Perimeter Wells – October 2016
- Table 7 – Summary of Detected Groundwater Analytical Results – Plume Wells – October 2016
- Table 8 – Summary of Detected Groundwater Analytical Results – Shallow Wells - October 2016.

The analytical data reports are provided electronically as Appendix C. A quality assurance/quality control (QA/QC) validation of the analytical data has been conducted. The data usability summary report (DUSR) is presented in Appendix D. All of the groundwater analytical results are summarized in tables that are presented in Appendix E. Field parameter measurements are presented in Table 9. Detected groundwater results by location from 2012 to 2016 are presented on Figure 5.

Upgradient and Perimeter Wells: The upgradient (MW-4B) and perimeter monitoring wells (MW-7B, MW-8B, MW-10B, MW-11B, MW-14B, MW-20B, MW-22BR, MW-23B, and MW-24B) were sampled for VOCs, VOC Tentatively Identified Compounds (TICs), SVOCs, and SVOC TICs. A review of the detected data presented in Table 6 shows that all results in October 2016, with the exclusion of bis(2-ethylhexyl)phthalate at MW-8B and unknown TICs, were either non-detect or below the SCGs.

Plume Wells: The plume wells (MW-2S, MW-3SR2, MW-12B, MW-16B, MW-17B, MW-19B, MW-21B, and PZ-2A) were sampled for VOCs, VOC TICs, SVOCs, and SVOC TICs. Table 7 presents the detected groundwater monitoring results for the plume monitoring wells. Benzene exceeded the SCG at monitoring wells MW-2S, MW-3SR2, and MW-12B. Ethyl ether and several SVOC TICs (pharmaceutical compounds) exceeded the UOC criterion of 0.050 mg/L. Concentration versus time charts for ethyl ether from 2012 to 2016 at Site monitoring wells are presented in Appendix F. The charts show that ethyl ether concentrations are slightly decreasing or relatively stable for the majority of plume monitoring wells and below SCG for upgradient and perimeter monitoring wells.

Shallow Wells: The shallow wells (MW-25 and MW-26) were installed in 2016 and were sampled for VOCs, VOC TICs, SVOCs, and SVOC TICs in October 2016. Table 8 presents the detected groundwater monitoring results for the shallow monitoring wells. The following constituents exceeded the SCGs: benzene, chlorobenzene, ethylbenzene, m-xylene/p-xylene, one VOC TIC,

4-chloraniline, phenol, and several SVOC TICs in monitoring well MW-25. An exceedance of the SCG for ethyl ether was reported at monitoring well MW-26. The detected constituents at monitoring wells MW-25 and MW-26 were not detected in the surface water samples as discussed in Section 5.2.

5.2 Surface Water Monitoring

5.2.1 Surface Water Sampling

Surface water samples were collected by Messrs. Brian Pickert and Bryan Foulke of GHD in October 2016 following the procedures and at the two locations that are identified in the SMP. The surface water samples were analyzed for VOCs, VOC TICs, SVOCs, and SVOC TICs.

5.2.2 Surface Water Data Evaluation

The detected surface water analytical data generated during this reporting period are summarized in Table 10. The analytical data reports are provided electronically as Appendix C. A quality assurance/quality control (QA/QC) validation of the analytical data has been conducted. The validation memorandum is presented in Appendix D. All of the surface water results are summarized in a table in Appendix E. Detected surface water results by location from 2011 to 2016 are presented on Figure 6.

A review of the data presented in Table 10 shows that all of the detected results were low, estimated concentrations. Papscanee Creek is classified as a Class C fresh surface water. The detected constituents in the surface water samples were not detected above sample quantitation limits in the groundwater samples from shallow monitoring wells MW-25 and MW-26. The estimated pyrene concentration of 0.005 mg/L at the upstream surface water location SW-2 is a nominal exceedance of the SCG of 0.0046 mg/L for fish propagation (Class C fresh water). Pyrene was also detected in upstream sediments in 2011 and 2013.

6. Overall PRR Conclusions and Recommendations

The annual inspection and monitoring activities performed during this reporting period found that:

- Monitoring wells at the Site are in good condition. Minor maintenance was performed to add keyed-alike locks to monitoring wells.
- Cover system and drainage system at the Site are in good condition. Minor burrows were filled in and minor sedimentation in the drainage ditch in the northwest corner of the Site was addressed.
- The majority of VOCs, VOC TICs, SVOCs, and SVOC TICs in the upgradient and perimeter monitoring wells are either non-detect or below SCG groundwater standards, indicating that the plume is relatively stable.

- Benzene, ethyl ether, and several pharmaceutical compounds (SVOC TICs) exceed SCGs in the plume monitoring wells.
- VOCs, one VOC TIC, SVOCs, and SVOC TICs that exceed SCGs in the two shallow monitoring wells near Papscanee Creek are different from the detected constituents in the two surface water samples from Papscanee Creek.

Based on the existing institutional controls and engineering controls, groundwater monitoring data, and surface water monitoring data, the remedial action continues to be effective in preventing the ingestion of groundwater with contaminant levels exceeding drinking water standards, eliminating contact with VOCs and SVOCs or inhalation of volatiles from contaminated groundwater.

The first Site monitoring event under the SMP was completed in October 2016. Groundwater and surface water sampling should continue in accordance with the SMP in order to augment the Site groundwater and surface water database and monitor the performance, effectiveness, and protectiveness of the Site remedy. No changes to the SMP are necessary at this time.

7. Certification

For each institutional or engineering control identified for the Site, I certify that all of the following statements are true:

- The inspection of the Site to confirm the effectiveness of the institutional and engineering controls required by the remedial program was performed under my direction.
- The institutional control and/or engineering control employed at this Site is unchanged from the date the control was put in place, or last approved by the Department.
- Nothing has occurred that would impair the ability of the control to protect the public health and environment.
- Nothing has occurred that would constitute a violation or failure to comply with any Site management plan for this control.
- Access to the Site will continue to be provided to the Department to evaluate the remedy, including access to evaluate the continued maintenance of this control.
- Use of the Controlled Property is compliant with the environmental easement.
- The engineering control systems are performing as designed and are effective.
- To the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the Site remedial program.
- The information presented in this report is accurate and complete.

I certify that all information and statements in this certification form are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law. I, Robert G. Adams, P.E. of GHD Consulting Services, Inc., 285 Delaware Avenue, Suite 500, Buffalo, New York 14202, am certifying as Owner's Designated Site Representative for the Controlled Property.

Signature: Robert G. Adams Date: May 17, 2017

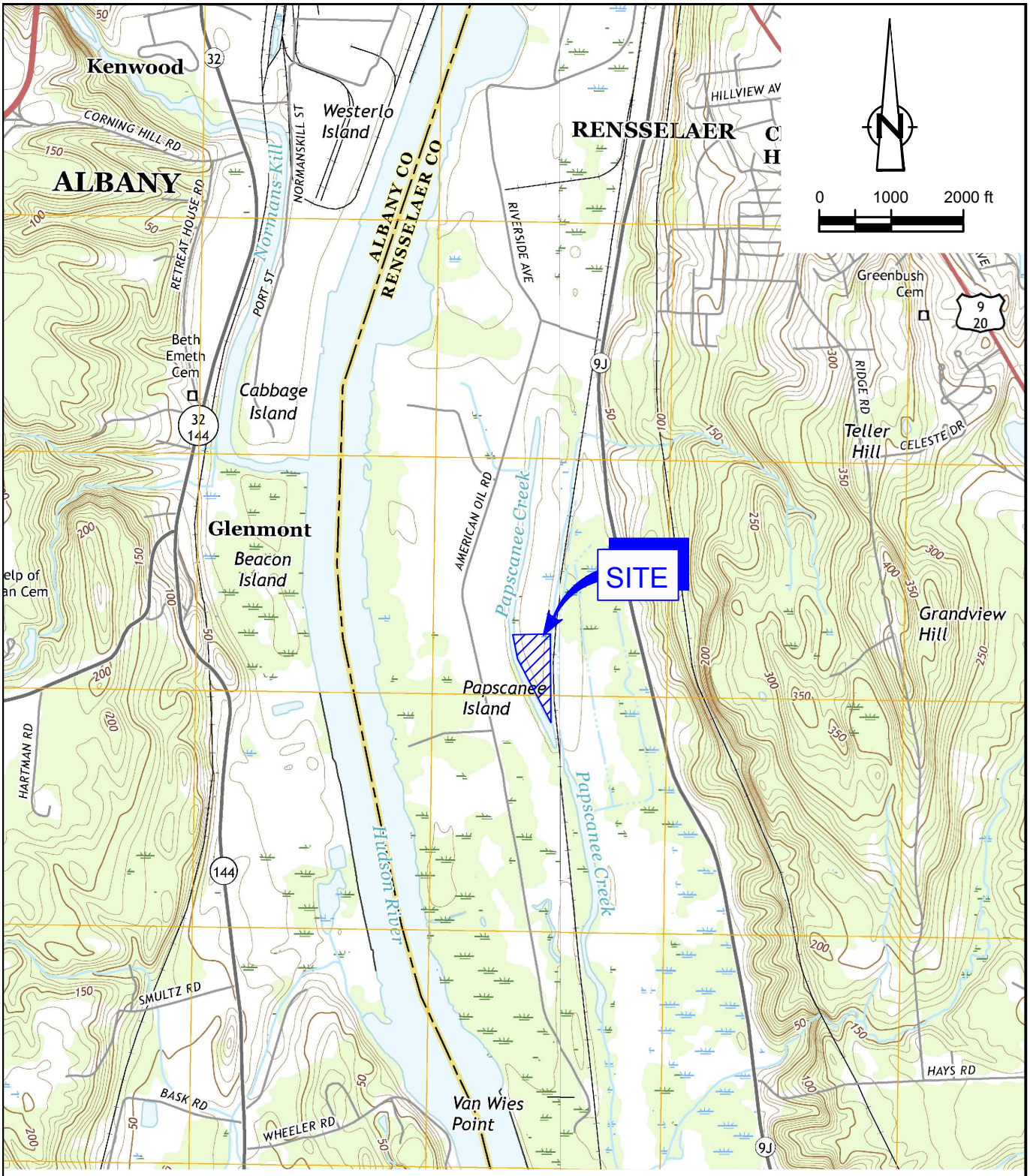


figure 1

SITE LOCATION
PERIODIC REVIEW REPORT
STERLING DRUG SITE 3
East Greenbush, New York

SOURCE:
USGS TOPOGRAPHIC MAP QUADRANGLES;
DELMAR AND EAST GREENBUSH, N.Y., 2016.

07830-2017(109)GN-WA001 MAY 8, 2017

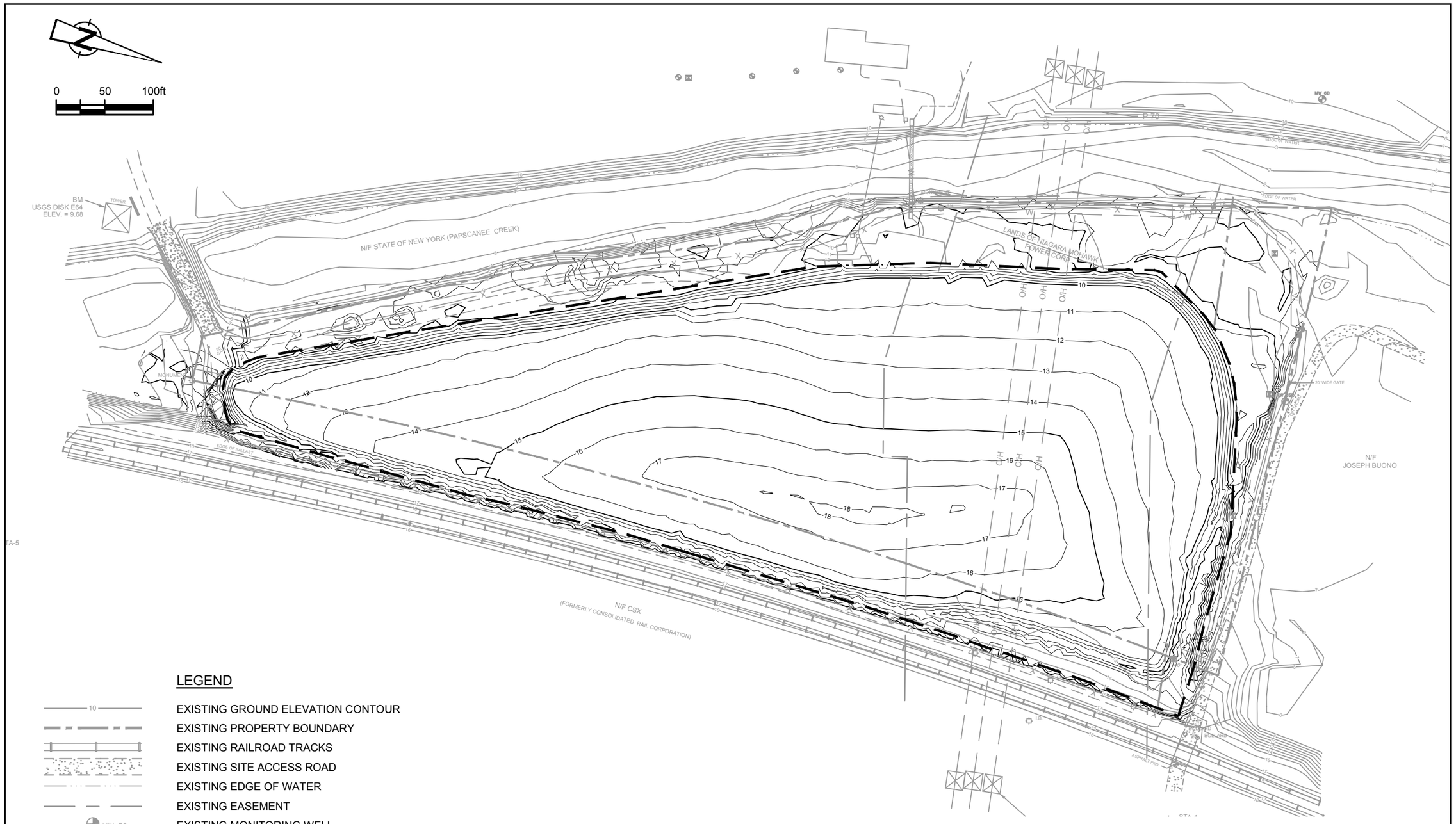


figure 2

SITE LAYOUT
PERIODIC REVIEW REPORT
STERLING DRUG SITE 3
East Greenbush, New York

07830-2017(109)GN-WA002 MAY 8, 2017

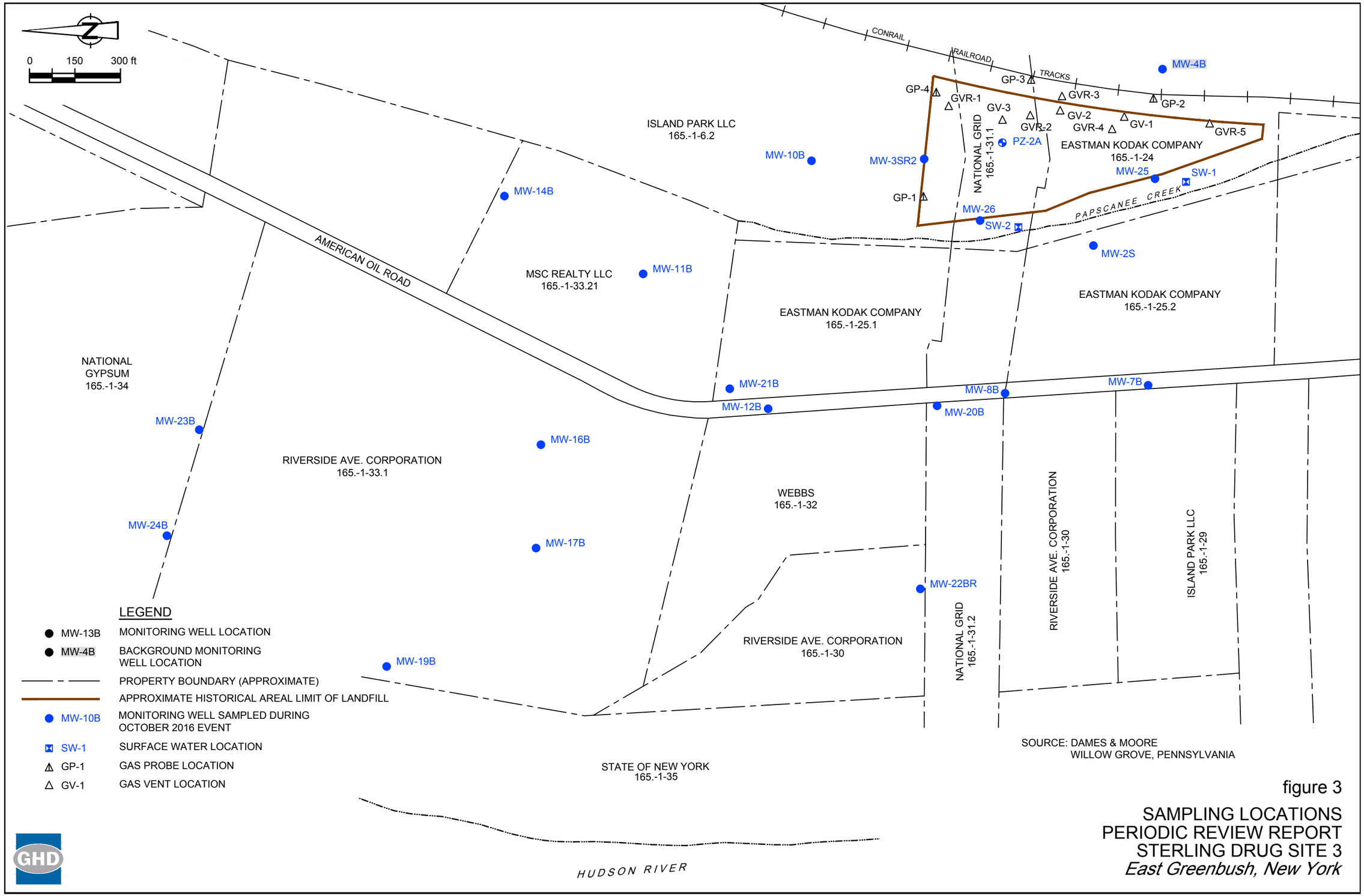


figure 3

SAMPLING LOCATIONS
PERIODIC REVIEW REPORT
STERLING DRUG SITE 3
East Greenbush, New York

07830-2017(109)GN-WA003 MAY 10, 2017

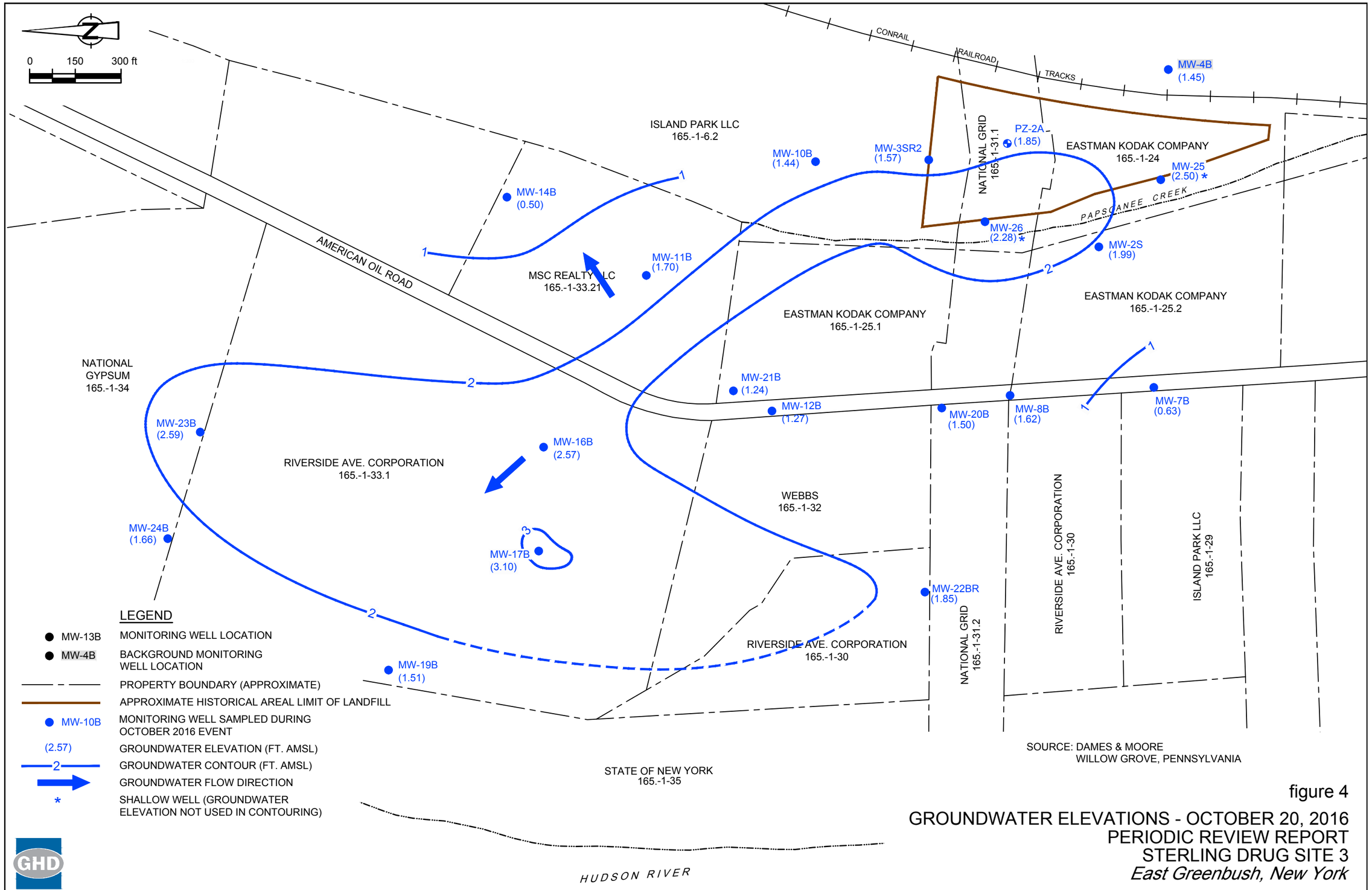
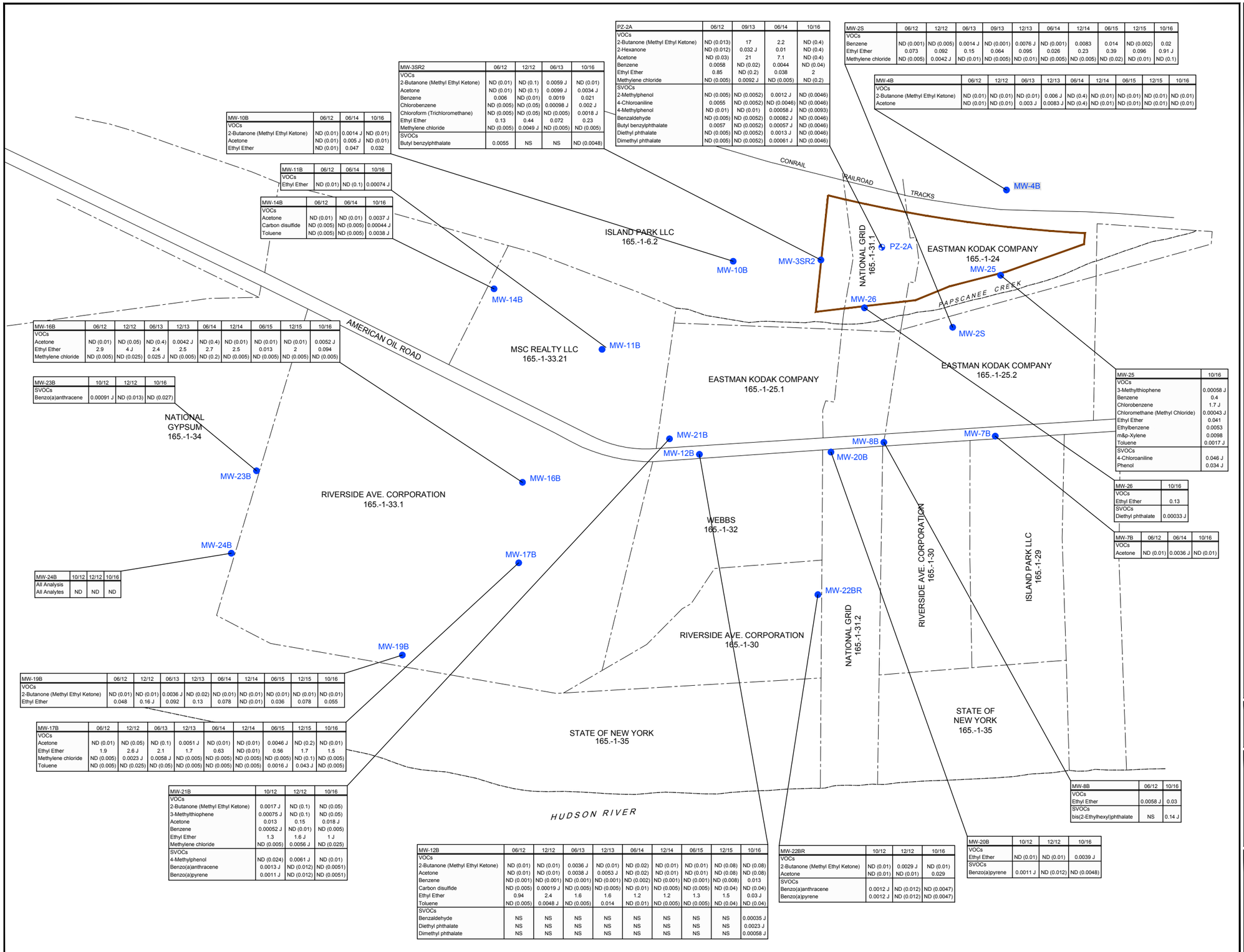


figure 4

GROUNDWATER ELEVATIONS - OCTOBER 20, 2016
PERIODIC REVIEW REPORT
STERLING DRUG SITE 3
East Greenbush, New York

07830-2017(109)GN-WA004 MAY 10, 2017



MW-10B	06/12	06/14	10/16
VOCs			
2-Butanone (Methyl Ethyl Ketone)	ND (0.01)	0.0014 J	ND (0.01)
Acetone	ND (0.01)	0.005 J	ND (0.01)
Ethyl Ether	ND (0.01)	0.047	0.032

MW-11B	06/12	06/14	10/16
VOCs			
Ethyl Ether	ND (0.01)	ND (0.1)	0.00074 J

MW-14B	06/12	06/14	10/16
VOCs			
Acetone	ND (0.01)	ND (0.01)	0.0037 J
Carbon disulfide	ND (0.005)	ND (0.005)	0.00044 J
Toluene	ND (0.005)	ND (0.005)	0.0038 J

MW-16B	06/12	12/12	06/13	12/13	06/14	12/14	06/15	12/15	10/16
VOCs									
Acetone	ND (0.01)	ND (0.05)	ND (0.4)	0.0042 J	ND (0.4)	ND (0.01)	ND (0.01)	ND (0.01)	0.0052 J
Ethyl Ether	2.9	4 J	2.4	2.5	2.7	2.5	0.013	2	0.094
Methylene chloride	ND (0.005)	ND (0.025)	0.025 J	ND (0.005)	ND (0.2)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)

MW-23B	10/12	12/12	10/16
SVOCs			
Benzo(a)anthracene	0.00091 J	ND (0.013)	ND (0.027)

MW-24B	10/12	12/12	10/16
All Analysis			
All Analytes	ND	ND	ND

MW-3SR2	06/12	12/12	06/13	10/16
VOCs				
2-Butanone (Methyl Ethyl Ketone)	ND (0.01)	ND (0.1)	0.0059 J	ND (0.01)
Acetone	ND (0.01)	ND (0.1)	0.0099 J	0.0034 J
Benzene	0.006	ND (0.01)	0.0019	0.021
Chlorobenzene	ND (0.005)	ND (0.05)	0.00098 J	0.002 J
Chloroform (Trichloromethane)	ND (0.005)	ND (0.05)	ND (0.005)	0.0018 J
Ethyl Ether	0.13	0.44	0.072	0.23
Methylene chloride	ND (0.005)	0.0049 J	ND (0.005)	ND (0.005)
SVOCs				
Butyl benzylphthalate	0.0055	NS	NS	ND (0.0048)

PZ-2A	06/12	09/13	06/14	10/16
VOCs				
2-Butanone (Methyl Ethyl Ketone)	ND (0.013)	17	2.2	ND (0.4)
2-Hexanone	ND (0.012)	0.032 J	0.01	ND (0.4)
Acetone	ND (0.03)	21	7.1	ND (0.4)
Benzene	0.0058	ND (0.02)	0.0044	ND (0.04)
Ethyl Ether	0.85	ND (0.2)	0.038	2
Methylene chloride	ND (0.005)	0.0092 J	ND (0.005)	ND (0.2)
SVOCs				
2-Methylphenol	ND (0.005)	ND (0.0052)	0.0012 J	ND (0.0046)
4-Chloroaniline	0.0055	ND (0.0052)	ND (0.0046)	ND (0.0046)
4-Methylphenol	ND (0.01)	ND (0.01)	0.00058 J	ND (0.0093)
Benzaldehyde	ND (0.005)	ND (0.0052)	0.00082 J	ND (0.0046)
Butyl benzylphthalate	0.0057	ND (0.0052)	0.00057 J	ND (0.0046)
Diethyl phthalate	ND (0.005)	ND (0.0052)	0.0013 J	ND (0.0046)
Dimethyl phthalate	ND (0.005)	ND (0.0052)	0.00061 J	ND (0.0046)

MW-2S	06/12	12/12	06/13	09/13	12/13	06/14	12/14	06/15	12/15	10/16
VOCs										
Benzene	ND (0.001)	ND (0.005)	0.0014 J	ND (0.001)	0.0076 J	ND (0.001)	0.0083	0.014	ND (0.002)	0.02
Ethyl Ether	0.073	0.092	0.15	0.064	0.095	0.026	0.23	0.39	0.096	0.91 J
Methylene chloride	ND (0.005)	0.0042 J	ND (0.01)	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.005)	ND (0.02)	ND (0.01)	ND (0.01)

MW-4B	06/12	12/12	06/13	12/13	06/14	12/14	06/15	12/15	10/16
VOCs									
2-Butanone (Methyl Ethyl Ketone)	ND (0.01)	ND (0.01)	ND (0.01)	0.006 J	ND (0.4)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
Acetone	ND (0.01)	ND (0.01)	0.003 J	0.0083 J	ND (0.4)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)

MW-25	10/16
VOCs	
3-Methylthiophene	0.00058 J
Benzene	0.4
Chlorobenzene	1.7 J
Chloromethane (Methyl Chloride)	0.00043 J
Ethyl Ether	0.041
Ethylbenzene	0.0053
m&p-Xylene	0.0098
Toluene	0.0017 J
SVOCs	
4-Chloroaniline	0.046 J
Phenol	0.034 J

MW-26	10/16
VOCs	
Ethyl Ether	0.13
SVOCs	
Diethyl phthalate	0.00033 J

MW-7B	06/12	06/14	10/16
VOCs			
Acetone	ND (0.01)	0.0036 J	ND (0.01)

MW-19B	06/12	12/12	06/13	12/13	06/14	12/14	06/15	12/15	10/16
VOCs									
2-Butanone (Methyl Ethyl Ketone)	ND (0.01)	ND (0.01)	0.0036 J	ND (0.02)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
Ethyl Ether	0.048	0.16 J	0.092	0.13	0.078	ND (0.01)	0.036	0.078	0.055

MW-17B	06/12	12/12	06/13	12/13	06/14	12/14	06/15	12/15	10/16
VOCs									
Acetone	ND (0.01)	ND (0.05)	ND (0.1)	0.0051 J	ND (0.01)	ND (0.01)	0.0046 J	ND (0.2)	ND (0.01)
Ethyl Ether	1.9	2.6 J	2.1	1.7	0.63	ND (0.01)	0.56	1.7	1.5
Methylene chloride	ND (0.005)	0.0023 J	0.0058 J	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.1)	ND (0.005)
Toluene	ND (0.005)	ND (0.025)	ND (0.05)	ND (0.005)	ND (0.005)	ND (0.005)	0.0016 J	0.043 J	ND (0.005)

MW-21B	10/12	12/12	10/16
VOCs			
2-Butanone (Methyl Ethyl Ketone)	0.0017 J	ND (0.1)	ND (0.05)
3-Methylthiophene	0.00075 J	ND (0.1)	ND (0.05)
Acetone	0.013	0.15	0.018 J
Benzene	0.00052 J	ND (0.01)	ND (0.005)
Ethyl Ether	1.3	1.6 J	1 J
Methylene chloride	ND (0.005)	0.0056 J	ND (0.025)
SVOCs			
4-Methylphenol	ND (0.024)	0.0061 J	ND (0.01)
Benzo(a)anthracene	0.0013 J	ND (0.012)	ND (0.0051)
Benzo(a)pyrene	0.0011 J	ND (0.012)	ND (0.0051)

MW-12B	06/12	12/12	06/13	12/13	06/14	12/14	06/15	12/15	10/16
VOCs									
2-Butanone (Methyl Ethyl Ketone)	ND (0.01)	ND (0.01)	0.0036 J	ND (0.01)	ND (0.02)	ND (0.01)	ND (0.01)	ND (0.08)	ND (0.08)
Acetone	ND (0.01)	ND (0.01)	0.0038 J	0.0053 J	ND (0.02)	ND (0.01)	ND (0.01)	ND (0.08)	ND (0.08)
Benzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001)	ND (0.008)	0.013
Carbon disulfide	ND (0.005)	0.00019 J	ND (0.005)	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.005)	ND (0.04)	ND (0.04)
Ethyl Ether	0.94	2.4	1.6	1.6	1.2	1.2	1.3	1.5	0.03 J
Toluene	ND (0.005)	0.0048 J	ND (0.005)	0.014	ND (0.01)	ND (0.005)	ND (0.005)	ND (0.04)	ND (0.04)
SVOCs									
Benzaldehyde	NS	NS	NS	NS	NS	NS	NS	NS	0.00035 J
Diethyl phthalate	NS	NS	NS	NS	NS	NS	NS	NS	0.0023 J
Dimethyl phthalate	NS	NS	NS	NS	NS	NS	NS	NS	0.00058 J

MW-22BR	10/12	12/12	10/16
VOCs			
2-Butanone (Methyl Ethyl Ketone)	ND (0.01)	0.0029 J	ND (0.01)
Acetone	ND (0.01)	ND (0.01)	0.029
SVOCs			
Benzo(a)anthracene	0.0012 J	ND (0.012)	ND (0.0047)
Benzo(a)pyrene	0.0012 J	ND (0.012)	ND (0.0047)

MW-20B	10/12	12/12	10/16
VOCs			
Ethyl Ether	ND (0.01)	ND (0.01)	0.0039 J
SVOCs			
Benzo(a)pyrene	0.0011 J	ND (0.012)	ND (0.0048)

MW-8B	06/12	10/16
VOCs		
Ethyl Ether	0.0058 J	0.03
SVOCs		
bis(2-Ethylhexyl)phthalate	NS	0.14 J

0 100 200ft

LEGEND

- MW-13B — MONITORING WELL LOCATION
- MW-4B — BACKGROUND MONITORING WELL LOCATION
- PROPERTY BOUNDARY (APPROXIMATE)
- APPROXIMATE HISTORICAL AREAL LIMIT OF LANDFILL
- MW-10B — MONITORING WELL SAMPLED DURING OCTOBER 2016 EVENT

MW-26	10/16
VOCs	
Ethyl Ether	0.13
SVOCs	
Diethyl phthalate	0.00033 J

- SAMPLE LOCATION
- SAMPLE DATE
- RESULT (mg/L)
- PARAMETER

J ESTIMATED

ND NOT DETECTED AT ASSOCIATED REPORTING LIMIT

NS NOT SAMPLED

SOURCE: DAMES & MOORE
WILLOW GROVE, PENNSYLVANIA
AERIAL: 2011, USDA NAIP, 1m RESOLUTION.

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

STERLING DRUG SITE 3
EAST GREENBUSH, NEW YORK

PERIODIC REVIEW REPORT

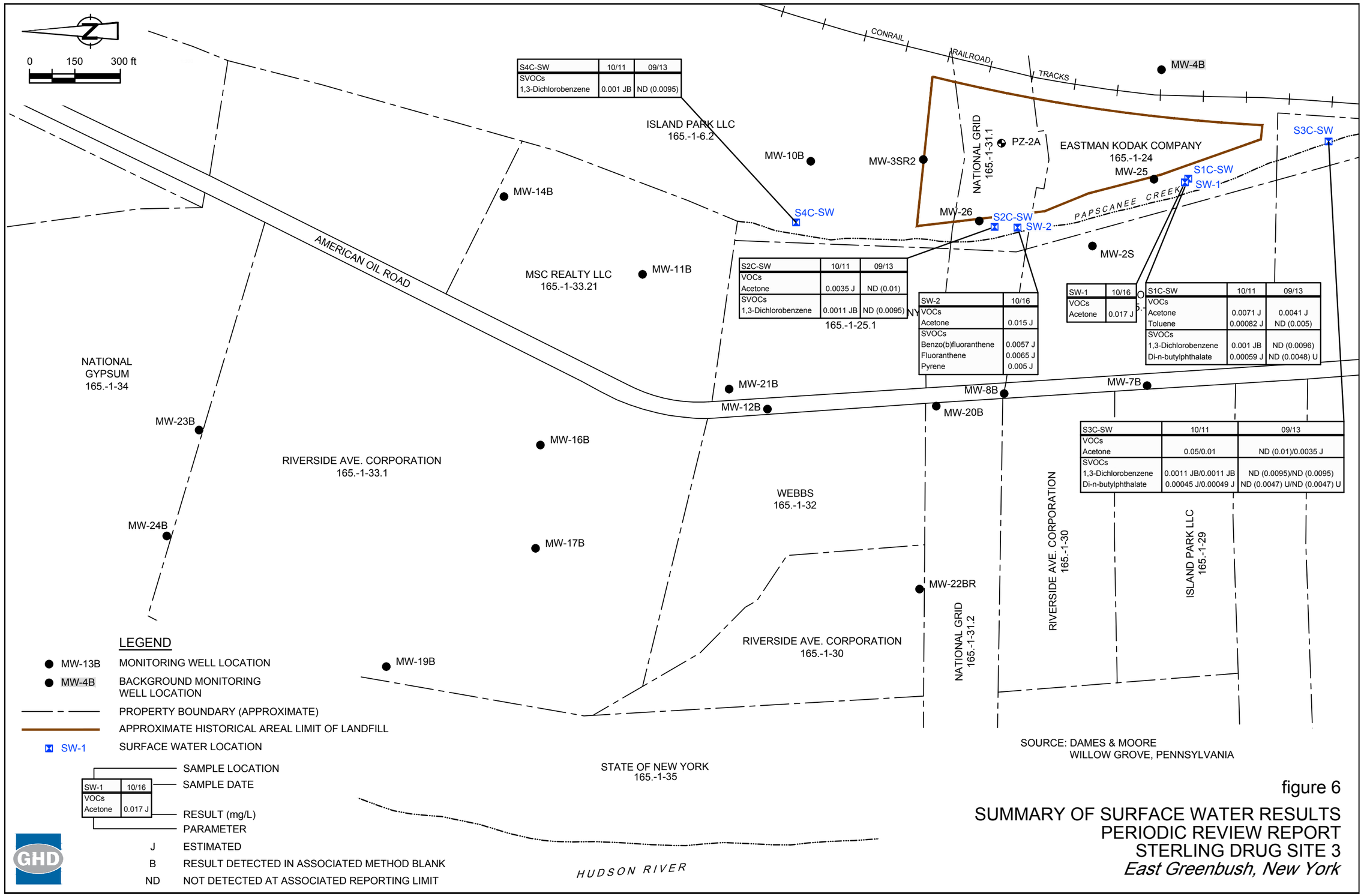
SUMMARY OF GROUNDWATER RESULTS

GHD

Source Reference:

Project Manager:	Reviewed By:	Date: MAY 2017	
Scale: 1:200	Project №: 07830-2017	Report №: 109	Drawing №: figure 5

07830-2017(109)GN-WA005 MAY 10, 2017



S4C-SW	10/11	09/13
SVOCs		
1,3-Dichlorobenzene	0.001 JB	ND (0.0095)

S2C-SW	10/11	09/13
VOCs		
Acetone	0.0035 J	ND (0.01)
SVOCs		
1,3-Dichlorobenzene	0.0011 JB	ND (0.0095)

SW-2	10/16
VOCs	
Acetone	0.015 J
SVOCs	
Benzo(b)fluoranthene	0.0057 J
Fluoranthene	0.0065 J
Pyrene	0.005 J

SW-1	10/16
VOCs	
Acetone	0.017 J

S1C-SW	10/11	09/13
VOCs		
Acetone	0.0071 J	0.0041 J
Toluene	0.00082 J	ND (0.005)
SVOCs		
1,3-Dichlorobenzene	0.001 JB	ND (0.0096)
Di-n-butylphthalate	0.00059 J	ND (0.0048) U

S3C-SW	10/11	09/13
VOCs		
Acetone	0.05/0.01	ND (0.01)/0.0035 J
SVOCs		
1,3-Dichlorobenzene	0.0011 JB/0.0011 JB	ND (0.0095)/ND (0.0095)
Di-n-butylphthalate	0.00045 J/0.00049 J	ND (0.0047) U/ND (0.0047) U

SOURCE: DAMES & MOORE
WILLOW GROVE, PENNSYLVANIA

figure 6

SUMMARY OF SURFACE WATER RESULTS
PERIODIC REVIEW REPORT
STERLING DRUG SITE 3
East Greenbush, New York

Table 1

Summary of Institutional Controls and Engineering Controls
Sterling Drug Site 3
East Greenbush, New York

Controls	Objective	Status	Method of Evaluation	Effectiveness	Corrective Measures	Conclusions and Recommendations for Change
Land Use Restrictions	• Limit inhalation of volatiles from impacted groundwater	Implemented	Inspection	Effective	None	No changes required
Environmental Easement	• Provide legal framework for Site Management Plan	Implemented	--	Effective	None	No changes required
Site Management Plan	• Specify monitoring and inspection requirements	Implemented	Inspection Monitoring Evaluation of data	Effective	None	No changes required
Monitoring Plan	• Monitor remedy performance	Implemented	Inspection Monitoring Evaluation of data	Effective	None	No changes required
IC/EC Plan	• Eliminate ingestion of impacted groundwater • Limit inhalation of volatiles from impacted groundwater • Monitor remedy performance	Implemented	Inspection Monitoring Evaluation of data	Effective	None	No changes required
Groundwater Use Restriction	• Eliminate ingestion of impacted groundwater • Limit inhalation of volatiles from impacted groundwater	Implemented	Inspection	Effective	None	No changes required
Cover System	• Eliminate contact with VOCs and SVOCs • Limit inhalation of volatiles from impacted groundwater • Minimize infiltration from precipitation	Completed	Inspection Evaluation of data	Effective	None	No changes required
Fencing/Access Controls	• Limit access to Site • Limit inhalation of volatiles from impacted groundwater	Completed	Inspection	Effective	None	No changes required

Notes:

VOCs volatile organic compounds
SVOCs semi-volatile organic compounds

Table 2

Monitoring and Inspection Schedule
Sterling Drug Site 3
East Greenbush, New York

Monitoring/Inspection	Operable Unit	2016 Frequency*	Media	2016 Locations	Analyses / Measurements
Site Inspection (impermeable cover, creek banks, surface water drainage, access road, fencing)	OU-1	Annually	Not Applicable	Site-wide	Not Applicable
Site Inspection (monitoring network integrity)	OU-1, OU-2	Annually	Not Applicable	20	Not Applicable
Site Inspection (gas vents and gas probes)	OU-1	Annually	Landfill Gas	12	CH_4, CO_2, O_2, PID reading, pressure
Groundwater Monitoring	OU-1, OU-2	Biennially**	Groundwater	20	VOCs + TICs, SVOCs + TICs
Surface Water Monitoring	Adjacent to OU-1	Annually	Surface Water	2	VOCs + TICs, SVOCs + TICs

Notes:

*	Frequency of events will be conducted as specified until otherwise approved by NYSDEC and NYSDOH.
**	Includes biennial and annual monitoring well locations.
OU-1	Operable Unit 1.
OU-2	Operable Unit 2.
VOCs	Volatile Organic Compounds including ethyl ether.
SVOCs	Semi-volatile Organic Compounds.
TICs	Tentatively Identified Compounds.

Table 3

Summary of Monitoring Locations and Analytes
Sterling Drug Site 3
East Greenbush, New York

Location	Analyses		Sampling Frequency [5]	Hydraulic Monitoring Frequency [5]
	VOCs + TICs [1][2]	SVOCs + TICs [3][4]		
MW-7B	X	X	Annual	Annual
MW-10B	X	X	Annual	Annual
MW-14B	X	X	Annual	Annual
MW-17B	X	X	Annual	Annual
MW-19B	X	X	Annual	Annual
MW-22BR	X	X	Annual	Annual
MW-23B	X	X	Annual	Annual
MW-24B	X	X	Annual	Annual
SW-1	X	X	Annual	--
SW-2	X	X	Annual	--
MW-2S	X	X	Biennial	Annual
MW-3SR2	X	X	Biennial	Annual
MW-4B	X	X	Biennial	Annual
MW-8B	X	X	Biennial	Annual
MW-11B	X	X	Biennial	Annual
MW-12B	X	X	Biennial	Annual
MW-16B	X	X	Biennial	Annual
MW-20B	X	X	Biennial	Annual
MW-21B	X	X	Biennial	Annual
PZ-2A	X	X	Biennial	Annual
MW-25	X	X	Biennial	Annual
MW-26	X	X	Biennial	Annual

Notes:

(1) VOCs + TICs = Volatile Organic Compounds + Tentatively Identified Compounds.
(2) Includes the Site-specific compound (ethyl ether).
(3) SVOCs + TICs = Semi-Volatile Organic Compounds + Tentatively Identified Compounds.
(4) Includes Pharmaceutical parameters.
(5) Annual monitoring events will rotate between spring and fall from year to year.
NYSDEC New York State Department of Environmental Conservation.

Table 4

Summary of Gas Probe and Gas Vent Field Parameter Results - October 2016
Sterling Drug Site 3
East Greenbush, New York

	Methane CH_4 %	Carbon Dioxide CO_2 %	Oxygen O_2 %	PID Reading (total organic vapors) ppm	Pressure inches H_2O
Location:					
GP-1	0.2	0.1	20.6	0.0	0.0
GP-2	0.0	0.1	20.6	0.2	0.0
GP-3	0.0	0.7	20.3	0.4	0.0
GP-4	0.0	0.0	20.7	0.0	0.0
GV-1	0.0	0.0	20.8	0.0	0.0
GV-2	0.0	0.0	20.8	0.0	0.0
GV-3	0.0	0.0	20.7	0.7	0.0
GVR-1	0.0	0.0	20.8	0.0	0.0
GVR-2	0.0	0.0	20.6	0.0	0.0
GVR-3	0.0	0.2	20.6	0.3	0.0
GVR-4	0.0	0.0	20.8	0.0	0.0
GVR-5	0.0	0.0	20.8	0.0	0.0

Note:

Field measurements collected on October 28, 2016

Table 5

Groundwater Elevation Data - October 2016
Sterling Drug Site 3
East Greenbush, New York

Location	Top of Riser Elevation (ft. AMSL)	Depth to Groundwater (ft.)	Groundwater Elevation 10/20/16 (ft. AMSL)
MW-2S	12.81	10.82	1.99
MW-3SR2	10.21	8.64	1.57
MW-4B	10.44	8.99	1.45
MW-7B	9.95	9.32	0.63
MW-8B	11.42	9.80	1.62
MW-10B	8.56	7.12	1.44
MW-11B	21.24	19.54	1.70
MW-12B	12.34	11.07	1.27
MW-14B	10.94	10.44	0.50
MW-16B	12.71	10.14	2.57
MW-17B	12.42	9.32	3.10
MW-19B	14.53	13.02	1.51
MW-20B	10.18	8.68	1.50
MW-21B	10.69	9.45	1.24
MW-22BR	9.95	8.10	1.85
MW-23B	11.00	8.41	2.59
MW-24B	13.25	11.59	1.66
MW-25	7.30	4.80	2.50
MW-26	7.61	5.33	2.28
PZ-2A	19.72	17.87	1.85

Table 6

Summary of Detected Groundwater Analytical Results - Upgradient and Perimeter Monitoring Wells - October 2016
Sterling Drug Site 3
East Greenbush, New York

Sample Location:			MW-4B	MW-7B	MW-8B	MW-10B	MW-11B
Sample ID:			WG-007830-102416-BP-021	WG-007830-102016-BP-008	WG-007830-102016-BP-009	WG-007830-102016-BP-005	WG-007830-102116-BP-014
Sample Date:			10/24/2016	10/20/2016	10/20/2016	10/20/2016	10/21/2016
			Upgradient	Perimeter	Perimeter	Perimeter	Perimeter
Parameters	**Units**	**Criteria**					
Volatile Organic Compounds							
Acetone	mg/L	0.050	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
Carbon disulfide	mg/L	0.060	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Ethyl Ether	mg/L	0.050	ND (0.01)	ND (0.01)	0.03	0.032	0.00074 J
Toluene	mg/L	0.005	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
TIC Volatile Organic Compounds							
Diphenyl ether A	mg/L	0.050	-	-	-	-	-
Tetrahydrofuran A	mg/L	0.050	-	0.0079 TJN	-	-	-
Semi-Volatile Organic Compounds							
bis(2-Ethylhexyl)phthalate	mg/L	0.005	ND (0.0048)	ND (0.048)	0.14 J	ND (0.0057)	ND (0.0048)
TIC Semi-Volatile Organic Compounds							
1,3,5-Tribromo-2-methoxy-benzene A	mg/L	0.050	0.0024 TJN	-	-	-	-
2-Methyl-7-nonadecene A	mg/L	0.050	-	-	-	-	0.0027 TJN
Chloroiodomethane A	mg/L	0.050	-	-	-	-	-
Cyclohexasiloxane, dodecamethyl- A	mg/L	0.050	-	-	-	-	0.002 TJN
Cyclopentasiloxane, decamethyl- A	mg/L	0.050	0.002 TJN	-	-	0.0045 TJN	0.0036 TJN
Cyclotetrasiloxane, octamethyl- A	mg/L	0.050	-	-	-	0.0029 TJN	0.0026 TJN
Diethyltoluamide A	mg/L	0.050	-	-	-	0.0046 TJN	-
Erucamide A	mg/L	0.050	-	-	-	0.002 TJN	-
Mephobarbital A	mg/L	0.050	-	-	-	0.01 TJN	-
Phenobarbital A	mg/L	0.050	-	0.036 TJN	0.017 TJN	0.0062 TJN	-
p-Xylene A	mg/L	0.005	0.014 TJN	-	-	-	-
Talbutal A	mg/L	0.050	-	0.027 TJN	-	0.0022 TJN	-
Toluene A	mg/L	0.005	0.0023 TJN	-	-	-	-
Triethylamine A	mg/L	0.050	-	-	-	0.0048 TJN	-
Unknown 1	mg/L	NC	0.045 TJ	0.035 TJ	0.028 TJ	0.0022 TJ	0.034 TJ
Unknown 2	mg/L	NC	0.0029 TJ	0.019 TJ	0.06 TJ	0.007 TJ	0.002 TJ
Unknown 3	mg/L	NC	0.0025 TJ	0.024 TJ	0.064 TJ	0.034 TJ	-
Unknown 4	mg/L	NC	0.0056 TJ	-	0.055 TJ	0.0059 TJ	-
Unknown 5	mg/L	NC	0.0026 TJ	-	-	-	-
Unknown 6	mg/L	NC	0.0035 TJ	-	-	-	-
Unknown 7	mg/L	NC	0.0018 TJ	-	-	-	-
Unknown 8	mg/L	NC	-	-	-	-	-
Unknown 9	mg/L	NC	-	-	-	-	-
Unknown 10	mg/L	NC	-	-	-	-	-

Notes:

J	Estimated concentration.
ND	Not detected at the associated reporting limit.
TJ	Estimated TIC.
TJN	Estimated TIC.
U	Not detected at the associated reporting limit.
-	Not applicable.
	Exceeds criterion.
NC	No criterion.
	TIC criteria are assumed to be UOC unless there are other specific criterion
	No criteria are applied to unknown TICs

Summary of Detected Groundwater Analytical Results - Upgradient and Perimeter Monitoring Wells - October 2016
Sterling Drug Site 3
East Greenbush, New York

Sample Location:			MW-14B	MW-20B	MW-22BR	MW-23B	MW-24B
Sample ID:			WG-007830-102116-BP-017	WG-007830-102116-BP-012	WG-007830-102016-BP-001	WG-007830-102116-BP-013	WG-007830-102016-BP-002
Sample Date:			10/21/2016	10/21/2016	10/20/2016	10/21/2016	10/20/2016
			Perimeter	Perimeter	Perimeter	Perimeter	Perimeter
Parameters	**Units**	**Criteria**					
Volatile Organic Compounds							
Acetone	mg/L	0.050	0.0037 J	ND (0.01)	0.029	ND (0.01)	ND (0.01)
Carbon disulfide	mg/L	0.060	0.00044 J	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Ethyl Ether	mg/L	0.050	ND (0.01)	0.0039 J	ND (0.01)	ND (0.01)	ND (0.01)
Toluene	mg/L	0.005	0.0038 J	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
TIC Volatile Organic Compounds							
Diphenyl ether A	mg/L	0.050	0.0029 TJN	-	-	-	-
Tetrahydrofuran A	mg/L	0.050	-	-	-	-	-
Semi-Volatile Organic Compounds							
bis(2-Ethylhexyl)phthalate	mg/L	0.005	ND (0.026)	ND (0.0048)	ND (0.0047)	ND (0.027)	ND (0.0073)
TIC Semi-Volatile Organic Compounds							
1,3,5-Tribromo-2-methoxy-benzene A	mg/L	0.050	-	-	-	-	-
2-Methyl-7-nonadecene A	mg/L	0.050	-	-	-	-	-
Chloroiodomethane A	mg/L	0.050	-	0.0017 TJN	-	-	-
Cyclohexasiloxane, dodecamethyl- A	mg/L	0.050	-	-	-	-	0.0025 TJN
Cyclopentasiloxane, decamethyl- A	mg/L	0.050	-	0.003 TJN	0.0027 TJN	-	0.0062 TJN
Cyclotetrasiloxane, octamethyl- A	mg/L	0.050	-	-	-	-	0.0053 TJN
Diethyltoluamide A	mg/L	0.050	-	-	-	-	-
Erucamide A	mg/L	0.050	-	0.0056 TJN	-	-	-
Mephobarbital A	mg/L	0.050	-	-	-	-	-
Phenobarbital A	mg/L	0.050	-	-	0.004 TJN	-	-
p-Xylene A	mg/L	0.005	-	-	-	-	-
Talbutal A	mg/L	0.050	-	-	-	-	-
Toluene A	mg/L	0.005	-	-	-	-	-
Triethylamine A	mg/L	0.050	-	-	-	-	-
Unknown 1	mg/L	NC	0.03 TJ	0.0028 TJ	0.0016 TJ	0.028 TJ	0.0027 TJ
Unknown 2	mg/L	NC	0.038 TJ	0.0022 TJ	0.024 TJ	0.0099 TJ	0.046 TJ
Unknown 3	mg/L	NC	-	0.034 TJ	0.0025 TJ	-	0.0037 TJ
Unknown 4	mg/L	NC	-	-	0.0019 TJ	-	-
Unknown 5	mg/L	NC	-	-	0.005 TJ	-	-
Unknown 6	mg/L	NC	-	-	0.002 TJ	-	-
Unknown 7	mg/L	NC	-	-	0.0033 TJ	-	-
Unknown 8	mg/L	NC	-	-	0.0017 TJ	-	-
Unknown 9	mg/L	NC	-	-	0.0046 TJ	-	-
Unknown 10	mg/L	NC	-	-	0.0015 TJ	-	-

Notes:

J	Estimated concentration.
ND	Not detected at the associated reporting limit.
TJ	Estimated TIC.
TJN	Estimated TIC.
U	Not detected at the associated reporting limit.
-	Not applicable.
	Exceeds criterion.
NC	No criterion.
	TIC criteria are assumed to be UOC unless there are other specific criterio
	No criteria are applied to unknown TICs

Table 7

Summary of Detected Groundwater Analytical Results - Plume Monitoring Wells - October 2016
Sterling Drug Site 3
East Greenbush, New York

Sample Location:			MW-2S	MW-3SR2	MW-12B	MW-16B
Sample ID:			WG-007830-102016-BP-004	WG-007830-102016-BP-010	WG-007830-102016-BP-007	WG-007830-102416-BP-022
Sample Date:			10/20/2016	10/20/2016	10/20/2016	10/24/2016
			Plume	Plume	Plume	Plume
Parameters	**Units**	**Criteria**				
Volatile Organic Compounds						
Acetone	mg/L	0.050	ND (0.2)	0.0034 J	ND (0.08)	0.0052 J
Benzene	mg/L	0.001	0.02	0.021	0.013	ND (0.001)
Chlorobenzene	mg/L	0.005	ND (0.1)	0.002 J	ND (0.04)	ND (0.005)
Chloroform (Trichloromethane)	mg/L	0.007	ND (0.1)	0.0018 J	ND (0.04)	ND (0.005)
Ethyl Ether	mg/L	0.050	0.91 J	0.23	0.03 J	0.094
TIC Volatile Organic Compounds						
(Ethoxymethyl)-benzene A	mg/L	0.050	-	0.012 TJN	-	-
Dichlorofluoromethane A	mg/L	0.005	-	0.0042 TJN	-	-
Methane, chlorofluoro- A	mg/L	0.050	-	0.0036 TJN	-	-
Unknown 1	mg/L	NC	-	-	6 TJ	-
Semi-Volatile Organic Compounds						
Benzaldehyde	mg/L	0.050	ND (0.0048)	ND (0.0048)	0.00035 J	ND (0.049)
Diethyl phthalate	mg/L	0.050	ND (0.0048)	ND (0.0048)	0.0023 J	ND (0.049)
Dimethyl phthalate	mg/L	0.050	ND (0.0048)	ND (0.0048)	0.00058 J	ND (0.049)
TIC Semi-Volatile Organic Compounds						
(Ethoxymethyl)-benzene A	mg/L	0.050	-	0.056 TJN	-	-
4-Hydroxy-butanoic acid A	mg/L	0.050	-	-	0.0053 TJN	-
Aminopyrine A	mg/L	0.050	0.0027 TJN	-	-	-
Benzenemethanamine, N,N-dimethyl A	mg/L	0.050	-	0.0091 TJN	-	-
Benzyl Alcohol A	mg/L	0.050	-	-	-	-
bis(2-Chloroethoxy)ethane A	mg/L	0.050	-	0.0097 TJN	-	-
Chloroiodomethane A	mg/L	0.050	-	-	-	0.09 TJN
Cholestan-3-one A	mg/L	0.050	-	-	-	-
Cyclopentasiloxane, decamethyl- A	mg/L	0.050	0.004 TJN	-	0.0038 TJN	-
Cyclotetrasiloxane, octamethyl- A	mg/L	0.050	-	-	-	-
Cyclotetrasiloxane, octamethyl- B	mg/L	0.050	-	-	-	-
Diisopropylamine A	mg/L	0.050	0.025 TJN	-	-	-
Hexobarbital A	mg/L	0.050	0.0093 TJN	0.0076 TJN	0.012 TJN	-
Hexobarbital B	mg/L	0.050	-	-	-	-
Lidocaine A	mg/L	0.050	-	0.046 TJN	0.032 TJN	-
Mephobarbital A	mg/L	0.050	0.019 TJN	0.079 TJN	0.1 TJN	0.034 TJN
Mephobarbital B	mg/L	0.050	-	-	-	-
Mepivacaine A	mg/L	0.050	-	0.033 TJN	-	-
Noramidopyrine A	mg/L	0.050	0.035 TJN	-	-	-
Pentazocine A	mg/L	0.050	-	0.0088 TJN	-	-
Phenobarbital A	mg/L	0.050	0.026 TJN	0.034 TJN	0.044 TJN	0.046 TJN
Phenobarbital B	mg/L	0.050	-	-	-	-
Phenobarbital di-methyl derivative A	mg/L	0.050	-	-	-	-
Phenobarbital di-methyl derivative B	mg/L	0.050	-	-	-	-

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Summary of Detected Groundwater Analytical Results - Plume Monitoring Wells - October 2016
Sterling Drug Site 3
East Greenbush, New York

Sample Location:			MW-2S	MW-3SR2	MW-12B	MW-16B
Sample ID:			WG-007830-102016-BP-004	WG-007830-102016-BP-010	WG-007830-102016-BP-007	WG-007830-102416-BP-022
Sample Date:			10/20/2016	10/20/2016	10/20/2016	10/24/2016
			Plume	Plume	Plume	Plume
Parameters	**Units**	**Criteria**				
TIC Semi-Volatile Organic Compounds (cont'd)						
Pyrimidinetrione, 5-ethyl-1,3-dimethyl-5-phenyl- A	mg/L	0.050	0.0034 TJN	-	0.0065 TJN	-
Talbutal A	mg/L	0.050	0.019 TJN	0.035 TJN	-	0.023 TJN
Talbutal B	mg/L	0.050	-	-	-	-
Triethylamine A	mg/L	0.050	-	0.029 TJN	0.012 TJN	-
Triethylamine B	mg/L	0.050	-	-	-	-
Unknown 1	mg/L	NC	0.025 TJ	0.013 TJ	0.0087 TJ	0.024 TJ
Unknown 2	mg/L	NC	0.0023 TJ	0.01 TJ	0.015 TJ	0.02 TJ
Unknown 3	mg/L	NC	0.0037 TJ	0.011 TJ	0.0029 TJ	0.057 TJ
Unknown 4	mg/L	NC	0.067 TJ	0.029 TJ	0.0095 TJ	-
Unknown 5	mg/L	NC	0.0029 TJ	0.0075 TJ	0.03 TJ	-
Unknown 6	mg/L	NC	0.0028 TJ	0.0073 TJ	0.0076 TJ	-
Unknown 7	mg/L	NC	0.015 TJ	0.0079 TJ	0.0026 TJ	-
Unknown 8	mg/L	NC	0.0032 TJ	0.0089 TJ	0.0046 TJ	-
Unknown 9	mg/L	NC	0.0037 TJ	0.052 TJ	0.012 TJ	-
Unknown 10	mg/L	NC	0.0031 TJ	-	0.0026 TJ	-
Unknown 11	mg/L	NC	0.0022 TJ	-	0.0034 TJ	-
Unknown 12	mg/L	NC	-	-	0.0072 TJ	-
Unknown 13	mg/L	NC	-	-	-	-

Notes:

J	Estimated concentration.
ND	Not detected at the associated reporting limit.
TJ	Estimated TIC.
TJN	Estimated TIC.
U	Not detected at the associated reporting limit.
-	Not applicable.
	Exceeds criterion.
NC	No criterion.
	TIC criteria are assumed to be UOC unless there are other specific criterion.
	No criteria are applied to unknown TICs.

Table 7

Summary of Detected Groundwater Analytical Results - Plume Monitoring Wells - October 2016
Sterling Drug Site 3
East Greenbush, New York

Sample Location:			MW-17B	MW-19B	MW-21B	PZ-2A
Sample ID:			WG-007830-102116-BP-018	WG-007830-102016-BP-003	WG-007830-102116-BP-011	WG-007830-102016-BP-006
Sample Date:			10/21/2016	10/20/2016	10/21/2016	10/20/2016
			Plume	Plume	Plume	Landfill
Parameters	**Units**	**Criteria**				
Volatile Organic Compounds						
Acetone	mg/L	0.050	ND (0.01)	ND (0.01)	0.018 J	ND (0.4)
Benzene	mg/L	0.001	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.04)
Chlorobenzene	mg/L	0.005	ND (0.005)	ND (0.005)	ND (0.025)	ND (0.2)
Chloroform (Trichloromethane)	mg/L	0.007	ND (0.005)	ND (0.005)	ND (0.025)	ND (0.2)
Ethyl Ether	mg/L	0.050	1.5	0.055	1 J	2
TIC Volatile Organic Compounds						
(Ethoxymethyl)-benzene A	mg/L	0.050	-	-	-	-
Dichlorofluoromethane A	mg/L	0.005	-	-	-	-
Methane, chlorofluoro- A	mg/L	0.050	-	-	-	-
Unknown 1	mg/L	NC	-	-	-	-
Semi-Volatile Organic Compounds						
Benzaldehyde	mg/L	0.050	ND (0.24)	ND (0.0046)	ND (0.0051)	ND (0.0046)
Diethyl phthalate	mg/L	0.050	ND (0.24)	ND (0.0046)	ND (0.0051)	ND (0.0046)
Dimethyl phthalate	mg/L	0.050	ND (0.24)	ND (0.0046)	ND (0.0051)	ND (0.0046)
TIC Semi-Volatile Organic Compounds						
(Ethoxymethyl)-benzene A	mg/L	0.050	-	-	-	-
4-Hydroxy-butanoic acid A	mg/L	0.050	-	-	-	-
Aminopyrine A	mg/L	0.050	-	-	-	-
Benzenemethanamine, N,N-dimethyl A	mg/L	0.050	-	-	-	-
Benzyl Alcohol A	mg/L	0.050	-	-	0.0095 TJN	-
bis(2-Chloroethoxy)ethane A	mg/L	0.050	-	-	-	-
Chloroiodomethane A	mg/L	0.050	-	0.0019 TJN	-	-
Cholestan-3-one A	mg/L	0.050	0.16 TJN	-	-	-
Cyclopentasiloxane, decamethyl- A	mg/L	0.050	-	0.0028 TJN	0.0038 TJN	0.0051 TJN
Cyclotetrasiloxane, octamethyl- A	mg/L	0.050	-	0.0016 TJN	0.0028 TJN	-
Cyclotetrasiloxane, octamethyl- B	mg/L	0.050	-	0.0017 TJN	-	-
Diisopropylamine A	mg/L	0.050	-	-	-	-
Hexobarbital A	mg/L	0.050	-	0.0037 TJN	-	0.026 TJN
Hexobarbital B	mg/L	0.050	-	0.0042 TJN	-	-
Lidocaine A	mg/L	0.050	-	-	-	-
Mephobarbital A	mg/L	0.050	-	0.016 TJN	0.0091 TJN	0.069 TJN
Mephobarbital B	mg/L	0.050	-	0.018 TJN	-	-
Mepivacaine A	mg/L	0.050	-	-	-	-
Noramidopyrine A	mg/L	0.050	-	-	0.014 TJN	-
Pentazocine A	mg/L	0.050	-	-	-	-
Phenobarbital A	mg/L	0.050	-	0.015 TJN	0.012 TJN	0.087 TJN
Phenobarbital B	mg/L	0.050	-	0.017 TJN	-	-
Phenobarbital di-methyl derivative A	mg/L	0.050	-	0.0031 TJN	-	0.017 TJN
Phenobarbital di-methyl derivative B	mg/L	0.050	-	0.0035 TJN	-	-

Table 7

Summary of Detected Groundwater Analytical Results - Plume Monitoring Wells - October 2016
Sterling Drug Site 3
East Greenbush, New York

Sample Location:			**MW-17B**	**MW-19B**	**MW-21B**	**PZ-2A**
Sample ID:			**WG-007830-102116-BP-018**	**WG-007830-102016-BP-003**	**WG-007830-102116-BP-011**	**WG-007830-102016-BP-006**
Sample Date:			**10/21/2016**	**10/20/2016**	**10/21/2016**	**10/20/2016**
			Plume	**Plume**	**Plume**	**Landfill**
Parameters	**Units**	**Criteria**				
TIC Semi-Volatile Organic Compounds (cont'd)						
Pyrimidinetrione, 5-ethyl-1,3-dimethyl-5-phenyl- A	mg/L	0.050	-	-	-	-
Talbutal A	mg/L	0.050	-	0.0084 TJN	0.027 TJN	0.051 TJN
Talbutal B	mg/L	0.050	-	0.0091 TJN	-	-
Triethylamine A	mg/L	0.050	-	0.013 TJN	0.0092 TJN	0.024 TJN
Triethylamine B	mg/L	0.050	-	0.0032 TJN	-	-
Unknown 1	mg/L	NC	0.65 TJ	0.023 TJ	0.038 TJ	0.0043 TJ
Unknown 2	mg/L	NC	-	0.0018 TJ	0.0033 TJ	0.013 TJ
Unknown 3	mg/L	NC	-	0.0056 TJ	0.0064 TJ	0.028 TJ
Unknown 4	mg/L	NC	-	0.0016 TJ	0.0061 TJ	0.0041 TJ
Unknown 5	mg/L	NC	-	0.0027 TJ	0.008 TJ	0.024 TJ
Unknown 6	mg/L	NC	-	0.0029 TJ	0.025 TJ	0.0033 TJ
Unknown 7	mg/L	NC	-	0.045 TJ	0.0035 TJ	0.0035 TJ
Unknown 8	mg/L	NC	-	0.0059 TJ	0.0036 TJ	0.052 TJ
Unknown 9	mg/L	NC	-	0.0018 TJ	0.012 TJ	0.0082 TJ
Unknown 10	mg/L	NC	-	0.0017 TJ	0.025 TJ	0.0033 TJ
Unknown 11	mg/L	NC	-	-	0.0052 TJ	0.0052 TJ
Unknown 12	mg/L	NC	-	-	0.0035 TJ	0.0053 TJ
Unknown 13	mg/L	NC	-	-	-	0.0091 TJ

Notes:

J	Estimated concentration.
ND	Not detected at the associated reporting limit.
TJ	Estimated TIC.
TJN	Estimated TIC.
U	Not detected at the associated reporting limit.
-	Not applicable.
	Exceeds criterion.
NC	No criterion.
	TIC criteria are assumed to be UOC unless there are other specific criterion
	No criteria are applied to unknown TICs.

Table 8

Summary of Detected Groundwater Analytical Results - Shallow Monitoring Wells - October 2016
Sterling Drug Site 3
East Greenbush, New York

Sample Location:			MW-25	MW-26
Sample ID:			WG-007830-102116-BP-015	WG-007830-102116-BP-016
Sample Date:			10/21/2016	10/21/2016
			Shallow	Shallow
Parameters	**Units**	**Criteria**		
Volatile Organic Compounds				
3-Methylthiophene	mg/L	0.050	0.00058 J	ND (0.05)
Benzene	mg/L	0.001	0.4	ND (0.005)
Chlorobenzene	mg/L	0.005	1.7 J	ND (0.025)
Chloromethane (Methyl Chloride)	mg/L	0.005	0.00043 J	ND (0.05)
Ethyl Ether	mg/L	0.050	0.041	0.13
Ethylbenzene	mg/L	0.005	0.0053	ND (0.025)
m&p-Xylene	mg/L	0.005	0.0098	ND (0.025)
Toluene	mg/L	0.005	0.0017 J	ND (0.025)
TIC Volatile Organic Compounds				
(Ethoxymethyl)-benzene A	mg/L	0.050	0.01 TJN	-
2-Ethenyl-naphthalene A	mg/L	0.050	0.012 TJN	-
Diethoxymethane A	mg/L	0.050	0.0082 TJN	-
Diphenyl ether A	mg/L	0.050	0.13 TJN	-
Semi-Volatile Organic Compounds				
4-Chloroaniline	mg/L	0.005	0.046 J	ND (0.0049)
Diethyl phthalate	mg/L	0.050	ND (0.048)	0.00033 J
Phenol	mg/L	0.001	0.034 J	ND (0.0049)
TIC Semi-Volatile Organic Compounds				
(Ethoxymethyl)-benzene A	mg/L	0.050	0.063 TJN	-
5-Chloroisatin A	mg/L	0.050	0.069 TJN	-
Aminopyrine A	mg/L	0.050	0.044 TJN	-
Chlorobenzene A	mg/L	0.005	0.65 TJN	-
Cyclobarbitol A	mg/L	0.050	0.037 TJN	-
Cyclohexyl isothiocyanate A	mg/L	0.050	-	0.0024 TJN
Cyclopentasiloxane, decamethyl- A	mg/L	0.050	-	0.0051 TJN
Hexobarbital A	mg/L	0.050	0.19 TJN	0.0028 TJN
Mephobarbital A	mg/L	0.050	0.18 TJN	-
Mepivacaine A	mg/L	0.050	0.31 TJN	0.025 TJN
Phenobarbital A	mg/L	0.050	0.15 TJN	0.011 TJN
Phenobarbital di-methyl derivative A	mg/L	0.050	-	0.0065 TJN
Talbutal A	mg/L	0.050	0.08 TJN	-
Unknown 1	mg/L	NC	0.11 TJ	0.0032 TJ
Unknown 2	mg/L	NC	0.061 TJ	0.0033 TJ
Unknown 3	mg/L	NC	0.14 TJ	0.0016 TJ
Unknown 4	mg/L	NC	0.035 TJ	0.0082 TJ
Unknown 5	mg/L	NC	0.054 TJ	0.0061 TJ
Unknown 6	mg/L	NC	0.035 TJ	0.0034 TJ
Unknown 7	mg/L	NC	0.081 TJ	0.0021 TJ
Unknown 8	mg/L	NC	0.24 TJ	0.031 TJ
Unknown 9	mg/L	NC	0.052 TJ	0.0016 TJ
Unknown 10	mg/L	NC	0.15 TJ	0.0061 TJ
Unknown 11	mg/L	NC	-	0.0016 TJ
Unknown 12	mg/L	NC	-	0.004 TJ

Notes:

J	Estimated concentration.
ND	Not detected at the associated reporting limit.
TJ	Estimated TIC.
TJN	Estimated TIC.
U	Not detected at the associated reporting limit.
-	Not applicable.
	Exceeds criterion.
NC	No criterion.
	TIC criteria are assumed to be UOC unless there are other specific criterion.
	No criteria are applied to unknown TICs.

Table 9

Summary of Groundwater Field Parameter Results - October 2016
Sterling Drug Site 3
East Greenbush, New York

Sample Location:		**MW-2S**	**MW-3SR2**	**MW-4B**	**MW-7B**	**MW-8B**	**MW-10B**	**MW-11B**	**MW-12B**	**MW-14B**	**MW-16B**
Sample Date:		**10/20/2016**	**10/20/2016**	**10/24/2016**	**10/20/2016**	**10/20/2016**	**10/20/2016**	**10/21/2016**	**10/20/2016**	**10/21/2016**	**10/24/2016**
Parameters	**Units**										
Field Parameters											
Conductivity Field	mS/cm	1.190	1.340	0.710	0.991	1.140	0.810	1.220	1.100	1.410	0.797
Dissolved Oxygen, Field	mg/L	1.12	0.71	0.89	1.11	0.96	1.00	2.19	1.61	1.41	1.09
ORP, Field	millivolts	-55	-22	-11	-52	-41	-50	-19	-60	-47	-19
pH Field	s.u.	6.90	7.32	6.90	7.14	7.26	6.69	7.02	6.19	7.09	6.88
Temperature	deg C	14.4	14.9	15.7	14.0	13.9	14.3	14.8	13.9	14.9	15.1
Turbidity	NTU	9	29	18	12	16	17	9	11	19	22

Table 9

Summary of Groundwater Field Parameter Results - October 2016
Sterling Drug Site 3
East Greenbush, New York

Sample Location:		**MW-17B**	**MW-19B**	**MW-20B**	**MW-21B**	**MW-22BR**	**MW-23B**	**MW-24B**	**MW-25**	**MW-26**	**PZ-2A**
Sample Date:		**10/21/2016**	**10/20/2016**	**10/21/2016**	**10/21/2016**	**10/20/2016**	**10/21/2016**	**10/20/2016**	**10/21/2016**	**10/21/2016**	**10/20/2016**
Parameters	**Units**										
Field Parameters											
Conductivity Field	mS/cm	1.170	0.519	1.220	1.190	0.991	1.460	1.170	0.998	1.220	1.490
Dissolved Oxygen, Field	mg/L	2.11	1.55	1.22	1.45	1.96	2.29	1.44	1.09	1.12	1.76
ORP, Field	millivolts	-10	-49	-40	-21	-15	-40	-25	-22	-41	-43
pH Field	s.u.	7.11	6.96	7.21	7.44	7.11	7.11	7.14	7.33	7.06	7.24
Temperature	deg C	14.9	14.1	15.5	15.6	15.1	15.0	15.3	15.1	15.5	14.4
Turbidity	NTU	29	31	44	22	2	6	4	14	44	24

Table 10

Summary of Detected Surface Water Analytical Results - October 2016
Sterling Drug Site 3
East Greenbush, New York

Sample Location:			**SW-1**	**SW-2**
Sample ID:			**SW-007830-102116-BP-019**	**SW-007830-102116-BP-020**
Sample Date:			**10/21/2016**	**10/21/2016**
Parameters	**Units**	**Criteria**		
Volatile Organic Compounds				
Acetone	mg/L	NC	0.017 J	0.015 J
Semi-Volatile Organic Compounds				
Benzo(b)fluoranthene	mg/L	NC	ND (0.052)	0.0057 J
Fluoranthene	mg/L	NC	ND (0.052)	0.0065 J
Pyrene	mg/L	0.0046	ND (0.052)	0.005 J
TIC Semi-Volatile Organic Compounds				
Unknown 1	mg/L	NC	0.039 TJ	0.044 TJ
Unknown 2	mg/L	NC	0.025 TJ	0.029 TJ
Unknown 3	mg/L	NC	0.017 TJ	0.027 TJ
Unknown 4	mg/L	NC	0.025 TJ	-
Unknown 5	mg/L	NC	0.021 TJ	-
Unknown 6	mg/L	NC	0.022 TJ	-

Notes:

J	Estimated concentration.
ND	Not detected at the associated reporting limit.
TJ	Estimated TIC.
-	Not applicable.
	Exceeds criterion.
NC	No criterion.
	Results compared to Class C Surface Water criteria.
	No criteria are applied to unknown TICs.

Appendices

Appendix A
Environmental Easement

ENVIRONMENTAL EASEMENT GRANTED PURSUANT TO ARTICLE 71, TITLE 36 OF THE NEW YORK STATE ENVIRONMENTAL CONSERVATION LAW

THIS INDENTURE made this 14th day of SEPTEMBER, 2015, between Owner(s) Eastman Kodak Company, having an office at 343 State Street, Rochester, New York 14650-1265, County of Monroe, State of New York (the "Grantor"), and The People of the State of New York (the "Grantee."), acting through their Commissioner of the Department of Environmental Conservation (the "Commissioner", or "NYSDEC" or "Department" as the context requires) with its headquarters located at 625 Broadway, Albany, New York 12233,

WHEREAS, the Legislature of the State of New York has declared that it is in the public interest to encourage the remediation of abandoned and likely contaminated properties ("sites") that threaten the health and vitality of the communities they burden while at the same time ensuring the protection of public health and the environment; and

WHEREAS, the Legislature of the State of New York has declared that it is in the public interest to establish within the Department a statutory environmental remediation program that includes the use of Environmental Easements as an enforceable means of ensuring the performance of operation, maintenance, and/or monitoring requirements and the restriction of future uses of the land, when an environmental remediation project leaves residual contamination at levels that have been determined to be safe for a specific use, but not all uses, or which includes engineered structures that must be maintained or protected against damage to perform properly and be effective, or which requires groundwater use or soil management restrictions; and

WHEREAS, the Legislature of the State of New York has declared that Environmental Easement shall mean an interest in real property, created under and subject to the provisions of Article 71, Title 36 of the New York State Environmental Conservation Law ("ECL") which contains a use restriction and/or a prohibition on the use of land in a manner inconsistent with engineering controls which are intended to ensure the long term effectiveness of a site remedial program or eliminate potential exposure pathways to hazardous waste or petroleum; and

WHEREAS, Grantor, is the owner of real property located at the address of Riverside Avenue Extension in the Town of East Greenbush, County of Rensselaer and State of New York, known and designated on the tax map of the County Clerk of Rensselaer as tax map parcel numbers: Section 165. Block 1 Lot 24, being a portion of the property conveyed to Grantor by deed dated April 29, 2014 and recorded in the Rensselaer County Clerk's Office in Liber and Page 7136/210. The property subject to this Environmental Easement (the "Controlled Property") comprises approximately 4.565 +/- acres, and is hereinafter more fully described in the Land Title Survey dated November 13, 2013 and last revised April 30, 2015 prepared by Richard M. Rybinski, LLS, which will be attached to the Site Management Plan. The Controlled Property description is set forth in and attached hereto as Schedule A; and

WHEREAS, the Department accepts this Environmental Easement in order to ensure the protection of public health and the environment and to achieve the requirements for remediation established for the Controlled Property until such time as this Environmental Easement is

extinguished pursuant to ECL Article 71, Title 36; and

NOW THEREFORE, in consideration of the mutual covenants contained herein and the terms and conditions of Order on Consent Index Number: A4-0624-08-09, Grantor conveys to Grantee a permanent Environmental Easement pursuant to ECL Article 71, Title 36 in, on, over, under, and upon the Controlled Property as more fully described herein ("Environmental Easement").

1. Purposes. Grantor and Grantee acknowledge that the Purposes of this Environmental Easement are: to convey to Grantee real property rights and interests that will run with the land in perpetuity in order to provide an effective and enforceable means of encouraging the reuse and redevelopment of this Controlled Property at a level that has been determined to be safe for a specific use while ensuring the performance of operation, maintenance, and/or monitoring requirements; and to ensure the restriction of future uses of the land that are inconsistent with the above-stated purpose.

2. Institutional and Engineering Controls. The controls and requirements listed in the Department approved Site Management Plan ("SMP") including any and all Department approved amendments to the SMP are incorporated into and made part of this Environmental Easement. These controls and requirements apply to the use of the Controlled Property, run with the land, are binding on the Grantor and the Grantor's successors and assigns, and are enforceable in law or equity against any owner of the Controlled Property, any lessees and any person using the Controlled Property.

A. (1) The Controlled Property may be used for:

Industrial as described in 6 NYCRR Part 375-1.8(g)(2)(iv)

(2) All Engineering Controls must be operated and maintained as specified in the Site Management Plan (SMP);

(3) All Engineering Controls must be inspected at a frequency and in a manner defined in the SMP;

(4) The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or the Rensselaer County Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department;

(5) Groundwater and other environmental or public health monitoring must be performed as defined in the SMP;

(6) Data and information pertinent to Site Management of the Controlled Property must be reported at the frequency and in a manner defined in the SMP;

(7) All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;

(8) Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP;

(9) Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical components of the remedy shall be performed as defined in the SMP;

(10) Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by this Environmental Easement.

B. The Controlled Property shall not be used for Residential, Restricted Residential or Commercial purposes as defined in 6NYCRR 375-1.8(g)(i), (ii) and (iii), and the above-stated engineering controls may not be discontinued without an amendment or extinguishment of this Environmental Easement.

C. The SMP describes obligations that the Grantor assumes on behalf of Grantor, its successors and assigns. The Grantor's assumption of the obligations contained in the SMP which may include sampling, monitoring, and/or operating a treatment system, and providing certified reports to the NYSDEC, is and remains a fundamental element of the Department's determination that the Controlled Property is safe for a specific use, but not all uses. The SMP may be modified in accordance with the Department's statutory and regulatory authority. The Grantor and all successors and assigns, assume the burden of complying with the SMP and obtaining an up-to-date version of the SMP from:

Site Control Section
Division of Environmental Remediation
NYSDEC
625 Broadway
Albany, New York 12233
Phone: (518) 402-9553

D. Grantor must provide all persons who acquire any interest in the Controlled Property a true and complete copy of the SMP that the Department approves for the Controlled Property and all Department-approved amendments to that SMP.

E. Grantor covenants and agrees that until such time as the Environmental Easement is extinguished in accordance with the requirements of ECL Article 71, Title 36 of the ECL, the property deed and all subsequent instruments of conveyance relating to the Controlled Property shall state in at least fifteen-point bold-faced type:

This property is subject to an Environmental Easement held by the New York State Department of Environmental Conservation pursuant to Title 36 of Article 71 of the Environmental Conservation

Law.

F. Grantor covenants and agrees that this Environmental Easement shall be incorporated in full or by reference in any leases, licenses, or other instruments granting a right to use the Controlled Property.

G. Grantor covenants and agrees that it shall, at such time as NYSDEC may require, submit to NYSDEC a written statement by an expert the NYSDEC may find acceptable certifying under penalty of perjury, in such form and manner as the Department may require, that:

(1) the inspection of the site to confirm the effectiveness of the institutional and engineering controls required by the remedial program was performed under the direction of the individual set forth at 6 NYCRR Part 375-1.8(h)(3).

(2) the institutional controls and/or engineering controls employed at such site:

(i) are in-place;

(ii) are unchanged from the previous certification, or that any identified changes to the controls employed were approved by the NYSDEC and that all controls are in the Department-approved format; and

(iii) that nothing has occurred that would impair the ability of such control to protect the public health and environment;

(3) the owner will continue to allow access to such real property to evaluate the continued maintenance of such controls;

(4) nothing has occurred that would constitute a violation or failure to comply with any site management plan for such controls;

(5) the report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

(6) to the best of his/her knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and

(7) the information presented is accurate and complete.

3. Right to Enter and Inspect. Grantee, its agents, employees, or other representatives of the State may enter and inspect the Controlled Property in a reasonable manner and at reasonable times to assure compliance with the above-stated restrictions.

4. Reserved Grantor's Rights. Grantor reserves for itself, its assigns, representatives, and successors in interest with respect to the Property, all rights as fee owner of the Property, including:

A. Use of the Controlled Property for all purposes not inconsistent with, or limited by the terms of this Environmental Easement;

B. The right to give, sell, assign, or otherwise transfer part or all of the underlying fee interest to the Controlled Property, subject and subordinate to this Environmental Easement;

5. Enforcement

A. This Environmental Easement is enforceable in law or equity in perpetuity by Grantor, Grantee, or any affected local government, as defined in ECL Section 71-3603, against

the owner of the Property, any lessees, and any person using the land. Enforcement shall not be defeated because of any subsequent adverse possession, laches, estoppel, or waiver. It is not a defense in any action to enforce this Environmental Easement that: it is not appurtenant to an interest in real property; it is not of a character that has been recognized traditionally at common law; it imposes a negative burden; it imposes affirmative obligations upon the owner of any interest in the burdened property; the benefit does not touch or concern real property; there is no privity of estate or of contract; or it imposes an unreasonable restraint on alienation.

B. If any person violates this Environmental Easement, the Grantee may revoke the Certificate of Completion with respect to the Controlled Property.

C. Grantee shall notify Grantor of a breach or suspected breach of any of the terms of this Environmental Easement. Such notice shall set forth how Grantor can cure such breach or suspected breach and give Grantor a reasonable amount of time from the date of receipt of notice in which to cure. At the expiration of such period of time to cure, or any extensions granted by Grantee, the Grantee shall notify Grantor of any failure to adequately cure the breach or suspected breach, and Grantee may take any other appropriate action reasonably necessary to remedy any breach of this Environmental Easement, including the commencement of any proceedings in accordance with applicable law.

D. The failure of Grantee to enforce any of the terms contained herein shall not be deemed a waiver of any such term nor bar any enforcement rights.

6. Notice. Whenever notice to the Grantee (other than the annual certification) or approval from the Grantee is required, the Party providing such notice or seeking such approval shall identify the Controlled Property by referencing the following information:

County, NYSDEC Site Number, NYSDEC Brownfield Cleanup Agreement, State Assistance Contract or Order Number, and the County tax map number or the Liber and Page or computerized system identification number.

Parties shall address correspondence to:

Site Number: 442011
Office of General Counsel
NYSDEC
625 Broadway
Albany New York 12233-5500

With a copy to:

Site Control Section
Division of Environmental Remediation
NYSDEC
625 Broadway
Albany, NY 12233

All notices and correspondence shall be delivered by hand, by registered mail or by Certified mail and return receipt requested. The Parties may provide for other means of receiving and communicating notices and responses to requests for approval.

7. Recordation. Grantor shall record this instrument, within thirty (30) days of execution of this instrument by the Commissioner or her/his authorized representative in the office of the

recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

8. Amendment. Any amendment to this Environmental Easement may only be executed by the Commissioner of the New York State Department of Environmental Conservation or the Commissioner's Designee, and filed with the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

9. Extinguishment. This Environmental Easement may be extinguished only by a release by the Commissioner of the New York State Department of Environmental Conservation, or the Commissioner's Designee, and filed with the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

10. Joint Obligation. If there are two or more parties identified as Grantor herein, the obligations imposed by this instrument upon them shall be joint and several.

Remainder of Page Intentionally Left Blank

IN WITNESS WHEREOF, Grantor has caused this instrument to be signed in its name.

Eastman Kodak Company:

CKR By: Charles J Ruffing

Print Name: Charles J. Ruffing

Title: Director, HSE Date: Sept 3, 2015

Grantor's Acknowledgment

STATE OF NEW YORK)
) ss:
COUNTY OF Monroe)

On the 3 day of September, in the year 2015, before me, the undersigned, personally appeared Charles J Ruffing, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

Notary Public - State of New York

CATHERINE M. DASSON
NOTARY PUBLIC, In the State of New York
Monroe County
My Commission Expires 10/31/17

THIS ENVIRONMENTAL EASEMENT IS HEREBY ACCEPTED BY THE PEOPLE OF THE STATE OF NEW YORK, Acting By and Through the Department of Environmental Conservation as Designee of the Commissioner,

By: _____
Robert W. Schick, Director
Division of Environmental Remediation

Grantee's Acknowledgment

STATE OF NEW YORK)
) ss:
COUNTY OF ALBANY)

On the 14th day of September, in the year 2015 before me, the undersigned, personally appeared Robert W. Schick, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/ executed the same in his/her/ capacity as Designee of the Commissioner of the State of New York Department of Environmental Conservation, and that by his/her/ signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

_____
Notary Public - State of New York

David J. Chiusano
Notary Public, State of New York
No. 01CH5032146
Qualified in Schenectady County
Commission Expires August 22, 2018

SCHEDULE "A" PROPERTY DESCRIPTION

Environmental Easement
Kodak Parcel 1

All that tract or parcel of land situate in the Town of East Greenbush, County of Rensselaer and State of New York, bounded and described as follows:

Beginning at the northwest corner of lands now or formerly of Eastman Kodak Company recorded in Book 7136 Page 210 at an existing 30" maple stump on the easterly shore of Papscanee Creek (Papskences Kill or Creek) as shown on a map titled "Environmental Easement Sterling Drug Site 3, Operable Unit No. 01, Site No. 442011", Sheet 1 of 5 prepared by Richard M. Rybinski, L.S. dated April 30, 2015 and the map "Boundary Survey of Lands Owned by Salvatore A. & Vincentia L. Graziano" filed in Drawer 1997 Map 7; thence along the northerly line of said Parcel 1 N. 84°30'58" E. a distance of 15.99 feet; thence the following courses and distances in the interior of said Parcel 1 per said Environmental Easement map: S. 80°46'00" E. a distance of 14.31 feet; N. 89°31'56" E. a distance of 98.05 feet; N. 77°57'57" E. a distance of 70.21 feet; N. 88°33'13" E. a distance of 292.15 feet to a point on the westerly line of lands of now or formerly the Consolidated Rail Corp. recorded in Rensselaer County Clerk's Office in Book 163 Page 1401, said point on an arc of a curve to the left having a central angle of 00°14'51", a radius of 5812.50 feet, an arc length of 25.11 feet, a chord bearing of S. 03°55'43" W. a distance of 25.11 feet from the concrete monument at the northeast corner of said Parcel 1; thence along the west line of said railroad lands on a portion of an arc of a curve to the left having a central angle of 00°45'12", a radius of 5812.50 feet, an arc length of 76.41 feet, a chord bearing of S. 03°25'42" W. a distance of 76.41 feet to the southeast corner of said Parcel 1 and the northeast corner of lands now or formerly of Niagara Mohawk Power Corp. recorded in Book 1133 page 269; thence along the northerly line of said Niagara Mohawk lands S. 73°04'37" W. a distance of 261.80 feet to a point; thence along the northerly line of said lands N. 89°54'23" W. a distance of 195.96 feet to the southwest corner of said Parcel 1 on the former east shore of Papscanee Creek (Papskences Kill or Creek) and the west line of lands of the State of New York; thence along the easterly line of New York State and said creek N. 16°12'31" W. a distance of 135.50 feet to the point of beginning, containing 1.309 acres more or less.

Subject to a 12 foot easement for ingress and egress along the west line of said railroad and a 20 feet easement at the northeast corner of Parcel 1 easterly to Castleton Road to Harry J. Abele Jr., John J. Abele and Frances Schmitt, now or formerly per deed Book 1300 Page 659. Note: This easement is permanently blocked at the railroad crossing near the northeast corner said Parcel 1.

Subject to a permanent right to cut, trim and remove brush and trees from Parcels 1 and 2 to said Niagara Mohawk per deed Page 1133 Book 269.

A permanent 25 feet right of way to cross said Niagara Mohawk lands per deed Book 1133 Page 269.

Together with an unwritten access easement from Riverside Ave. Extension (American Oil Road) of a gravel road easement through Parcel A of "Minor 3 Lot Subdivision Property of Penn Central Transportation Co." recorded in Drawer 1988 Map 41 within the 125 feet Electric Transmission Easement to Niagara Mohawk Power Corp. recorded in Book 903 Page 23 used by Niagara Mohawk to access the said 125 feet Easement. The said road continues northeasterly through the lands of New York State across Papscanee Creek to Kodak Parcel 2.

Environmental Easement:
Eastman Kodak Parcel 2

All that tract or parcel of land situate in the Town of East Greenbush, County of Rensselaer and State of New York, bounded and described as follows:

Beginning at a point at the northwest corner of lands now or formerly Eastman Kodak Co. at the former east shore of Papscanee Creek (Papskences Kill or Creek) recorded in Rensselaer County Clerk's Office in Book 7136 Page 210 and (Papskences Kill or Creek) (Papskences Kill or Creek), as Parcel 2 per filed map "Boundary Survey of Lands Owned by Salvatore A. & Vincentia L. Graziano" in Drawer 1997 Map 7 prepared by Smith & Mahoney, PC. recorded January 27, 1997 and also shown on a map titled "Environmental Easement Sterling Drug Site 3, Operable Unit No. 01, Site No. 442011", Sheet 2 of 5 prepared by Richard M. Rybinski, L.S. dated April 30, 2015 as Kodak Parcel 2; thence S. 89°54'23" E. a distance of 66.99 feet to a point; thence S. 00°05'37" W. a distance of 25.00 feet to a point; thence S. 89°54'23" E. a distance of 97.00

feet to a point; thence N. 73°04'37" E. a distance of 97.00 feet to a point; thence N. 16°55'23" W. a distance of 25.00 feet to a point; thence N. 73°04'37" E. a distance of 121.44 feet to a point on the west line of Consolidated Rail Corp.; thence along the west line of the said railroad on a portion of an arc of a curve to the left having a central angle of 06°20'24", a radius of 5812.50 feet, an arc length of 643.18 feet, a chord bearing of S. 02°43'11" E. a distance of 642.85 feet to a point; thence S. 05°53'23" E. along said railroad west line a distance of 90.85 feet to a point at the southeast corner of said Kodak Parcel 2; thence S. 84°06'37" W. a distance of 52.95 feet to a point on the former east shore of Papscanee Creek (Papskences Kill or Creek); thence northwesterly the following courses and distances along the former east shore of said creek: N. 29°01'58" W. a distance of 340.98 feet to a point; N. 23°56'04" W. a distance of 240.00 feet to a point; N. 31°39'31" W. a distance of 158.51 feet; N. 16°12'31" W. a distance of 24.24 feet to the point of beginning, containing 3.256 acres of land more or less.

Subject to a 12 foot easement for ingress and egress along the west line of said railroad through said Niagara Mohawk lands, Parcels 1 and 2 of said Kodak lands and a 20 feet easement easterly to Castleton Road to Harry J. Abele Jr., John J. Abele and Frances Schmitt, now or formerly per deed Book 1010 Page 498. Note: There is a permanent barrier near the northeast corner of Kodak Parcel 1 preventing access to the railroad track crossing to the said 20 feet easement to Castleton Road.

Subject to a permanent right to cut, trim and remove brush and trees from said Kodak Parcels 1 and 2 to said Niagara Mohawk per deed Page 1133 Book 269.

Together with a single 25 feet right of way to said Kodak Parcels 1 and 2 to cross said Niagara Mohawk lands per deed Book 1133 Page 269.

Together with an unwritten easement from Riverside Ave. Extension using the Niagara Mohawk gravel access road through Parcel A of the "Minor 3 Lot Subdivision Property of Penn Central Transportation Co." filed as Map 41 in Drawer 1988 and as described in the Niagara Mohawk 125 feet Electric Transmission Easement Book 903 Page 23 and continuing on said road northeasterly as an unwritten easement across Papscanee Creek and lands of New York State to said Kodak Parcel 2.

Appendix B
Inspection Forms

TEMPERATURE: 45°F
WEATHER: cloudy

INSPECTED BY: B. PICKERT
DATE OF INSPECTION: October 28, 2016

ITEM	TYPES OF PROBLEMS	CHECKED: NO PROBLEMS	CHECKED: CORRECTIVE ACTION REQUIRED	DETAILED ACTIONS REQUIRED	DATE AND NATURE OF ACTIONS COMPLETED
SITE COVER: LANDFILL CAP	- VEGETATIVE COVER (MOWING/FERTILIZING)	✓			
	- PRESENCE OF DEEP ROOTED VEGETATION OR BURROWING MAMMALS	✓			minor burrows - filled 2 holes
	- EROSION CONTROL (IF REQUIRED)	✓			
	- LOCALIZED SETTLEMENT/SLUMPING	✓			
	- PONDING OF WATER/DRAINAGE	✓			
	- SEEPAGE	✓			
PAPSCANEE CREEK BANKS	- BIOENGINEERED VEGETATION	✓			
	- SLOPE FAILURE	✓			
	- EROSION CONTROL (IF NECESSARY)	✓			
	- SEEPAGE	✓			
	- OUTFALL STRUCTURE	✓			
MONITORING WELLS	- CASING/LOCK CONDITION	✓			replaced locks to MW25, MW26
	- CORROSION OR STRUCTURAL DAMAGE	✓			
GAS PROBES	- CASING/LOCK CONDITION	✓			
	- SURROUNDING GRASS	✓			
GAS VENTS	- CORROSION OR STRUCTURAL DAMAGE	✓			
	- SCREEN INTACT	✓			replaced screen to GVR-4
SECURITY: PERIMETER FENCE	- CORROSION OR STRUCTURAL DAMAGE TO SUPPORT POSTS AND FENCE FABRIC	✓			
GATES AND LOCKS	- CORROSION DAMAGE TO GATE HINGES AND FABRIC	✓			
	- LOCKS STICKING OR CORRODING	✓			
	- CORROSION, VISIBILITY, DAMAGE	✓			
	- MISSING	✓			

LANDFILL AND SITE FEATURES INSPECTION LOG
STERLING SITE 3
East Greenbush, New York

FIELD MEASUREMENTS - GAS PROBES AND GAS VENTS
STERLING SITE 3, OPERABLE UNIT1
EAST GREENBUSH, NEW YORK

10/28/16

Location	CH_4 (%)	CO_2 (%)	O_2 (%)	PID (ppm)	Pressure (in. H_2O)	Location
GP-1	0.2	0.1	20.6	0.0	0.0	GP-1
GP-2	0.0	0.1	20.6	0.2	0.0	GP-2
GP-3	0.0	0.7	20.3	0.4	0.0	GP-3
GP-4	0.0	0.0	20.7	0.0	0.0	GP-4
GV-1	0.0	0.0	20.8	0.0	0.0	GV-1
GV-2	0.0	0.0	20.8	0.0	0.0	GV-2
GV-3	0.0	0.0	20.7	0.7	0.0	GV-3
GVR-1	0.0	0.0	20.8	0.0	0.0	GVR-1
GVR-2	0.0	0.0	20.6	0.0	0.0	GVR-2
GVR-3	0.0	0.2	20.6	0.3	0.0	GVR-3
GVR-4	0.0	0.0	20.8	0.0	0.0	GVR-4
GVR-5	0.0	0.0	20.8	0.0	0.0	GVR-5

Date of Inspection: October 28, 2016 Name of Inspector: B. Pickert

Time of Inspection: 1200 Weather Conditions: cloudy 45°F

	No Problem	Action Req'd	Detail Actions Required	Date and Nature of Actions Completed
East Drainage Swale				
Sediment Buildup/Depth	☑	☐		
Riprap	☑	☐		
Erosion	☑	☐		
Settlement	☑	☐		
Drainage	☑	☐		
North Drainage Swale				
Sediment Buildup/Depth	☑	☐		
Riprap	☑	☐		
Erosion	☑	☐		
Settlement	☑	☐		
Drainage	☑	☐		
Culvert	☑	☐		
West Drainage Swale				
Sediment Buildup/Depth	☑	☐		
Riprap	☑	☐		
Erosion	☑	☐		
Settlement	☑	☐		
Drainage	☑	☐		
Culvert	☑	☐		
Papascanee Creek				
Sediment Buildup/Depth	☑	☐	minor sediment @ creek mouth - reworked area - ok	
Riprap	☑	☐		
Erosion	☑	☐		
Settlement	☑	☐		
Drainage	☑	☐		

General Comments

SURFACE WATER/DRAINAGE FEATURES INSPECTION REPORT
STERLING SITE 3
East Greenbush, New York

Table 1

Well Inspection Summary
October 20, 2016
Sterling Drug Site 3
East Greenbush, New York

Well Number	*Protective Casing*	*Protective Cap/Lock*	*PVC Casing*	*PVC Cap*	*Concrete Apron*	*Observations and Recommendations*
MW-2S	T	Y/Y	T	Y	CS	
MW-3SR2	T	Y/Y	T	Y	SC	
MW-4B	T	Y/Y	T	Y	CS	
MW-7B	T	Y/Y	T	Y	CS	
MW-8B	T	Y/Y	T	Y	SC	
MW-10B	T	Y/Y	T	Y	SC	
MW-11B	T	Y/Y	T	Y	SC	
MW-12B	T	Y/Y	T	Y	SC	
MW-14B	T	Y/N	T	Y	SC	New lock added
MW-16B	T	Y/N	T	Y	SC	New lock added
MW-17B	T	Y/Y	T	Y	CS	
MW-19B	T	Y/Y	T	Y	SC	
MW-20B	T	Y/Y	T	Y	SC	
MW-21B	T	Y/Y	T	Y	SC	
MW-22BR	T	Y/Y	T	Y	SC	
MW-23B	T	Y/Y	T	Y	SC	
MW-24B	T	Y/Y	T	Y	SC	
MW-25	T	Y/Y	T	Y	SC	
MW-26	T	Y/Y	T	Y	SC	
PZ-2A	T	Y/Y	T	Y	SC	

Notes:
SC - Satisfactory
T - Tight
L - Loose
F - Frozen
W- Weathered
B - Broken
E - Eroded beneath
CS - Covered with soil
X - Damaged
Unk- Unknown
N - No or none
Y - Yes

Appendix C
Analytical Data Reports

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 480-108247-1
Client Project/Site: Sterling Site 3
Revision: 1

For:
GHD Services Inc.
2055 Niagara Falls Blvd., Suite 3
Niagara Falls, New York 14304

Attn: Kathleen Willy

Authorized for release by:
11/11/2016 12:39:51 PM
Rebecca Jones, Project Management Assistant I
rebecca.jones@testamericainc.com

Designee for

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

Table of Contents

Definitions/Glossary

Client: GHD Services Inc.
Project/Site: Sterling Site 3

TestAmerica Job ID: 480-108247-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
E	Result exceeded calibration range.
F1	MS and/or MSD Recovery is outside acceptance limits.

GC/MS VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	This flag indicates the presumptive evidence of a compound.
T	Result is a tentatively identified compound (TIC) and an estimated value.

GC/MS Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
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.

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	This flag indicates the presumptive evidence of a compound.
T	Result is a tentatively identified compound (TIC) and an estimated value.

Glossary

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

Job ID: 480-108247-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-108247-1

Revision
This report has been revised to correct the date in the sample ID's.

Receipt
The samples were received on 10/22/2016 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 3.7º C and 4.6º C.

GC/MS VOA
Method(s) 8260C: The following samples was diluted to bring the concentration of target analytes within the calibration range: WG-007830-102016-BP-004 (480-108247-4), WG-007830-102016-BP-006 (480-108247-6), WG-007830-102016-BP-011 (480-108247-11), (480-108247-C-4 MS) and (480-108247-C-4 MSD). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following sample was diluted due to the abundance of non-target analytes: WG-007830-102016-BP-007 (480-108247-7). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-327394 recovered outside acceptance criteria, low biased, for Chloromethane. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported. The following samples are impacted: WG-007830-102016-BP-003 (480-108247-3), WG-007830-102016-BP-004 (480-108247-4), WG-007830-102016-BP-005 (480-108247-5), WG-007830-102016-BP-006 (480-108247-6), WG-007830-102016-BP-007 (480-108247-7), WG-007830-102016-BP-008 (480-108247-8), WG-007830-102016-BP-010 (480-108247-10), WG-007830-102116-BP-011 (480-108247-11), WG-007830-102116-BP-012 (480-108247-12) and WG-007830-102116-BP-013 (480-108247-13).

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-327548 recovered outside acceptance criteria, low biased, for Carbon disulfide, 1,1,2,2-Tetrachloroethane and Chloromethane. A reporting limit (RL) standard was analyzed, and the target analytes were detected. Since the associated samples were non-detects for these analytes, the data have been reported. The following samples are impacted: WG-007830-102016-BP-001 (480-108247-1), WG-007830-102016-BP-002 (480-108247-2), WG-007830-102016-BP-009 (480-108247-9), WG-007830-102016-BP-010 (480-108247-10), WG-007830-102116-BP-011 (480-108247-11) and WG-007830-102116-BP-014 (480-108247-14).

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: WG-007830-102016-BP-010 (480-108247-10), WG-007830-102116-BP-011 (480-108247-11), (480-108247-D-11 MS) and (480-108247-D-11 MSD). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following volatiles samples were diluted due to foaming at the time of purging during the original sample analysis: SW-007830-102116-BP-019 (480-108247-19) and SW-007830-102116-BP-020 (480-108247-20). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-327640 recovered outside acceptance criteria, low biased, for 1,1,2,2-Tetrachloroethane and Chloromethane. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were below the RL for this analyte, the data have been reported. The following samples are impacted: WG-007830-102116-BP-015 (480-108247-15), WG-007830-102116-BP-017 (480-108247-17), WG-007830-102116-BP-018 (480-108247-18), SW-007830-102116-BP-019 (480-108247-19), SW-007830-102116-BP-020 (480-108247-20), TRIP BLANKS (480-108247-21) and TRIP BLANKS (480-108247-22).

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-327744 recovered outside acceptance criteria, low biased, for 1,1,2,2-Tetrachloroethane. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported. The following samples are impacted: WG-007830-102116-BP-015 (480-108247-15), WG-007830-102116-BP-016 (480-108247-16) and WG-007830-102116-BP-018 (480-108247-18).

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range:

Job ID: 480-108247-1 (Continued)

Laboratory: TestAmerica Buffalo (Continued)

WG-007830-102116-BP-015 (480-108247-15), WG-007830-102116-BP-016 (480-108247-16), WG-007830-102116-BP-018 (480-108247-18), (480-108247-C-15 MS) and (480-108247-C-15 MSD). Elevated reporting limits (RLs) are provided.

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

GC/MS Semi VOA

Method(s) 8270D: The continuing calibration verification (CCV) associated with batch 480-327441 recovered outside acceptance criteria, low biased, for bis (2-chloroisopropyl) ether and Hexachlorocyclopentadiene. 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. WG-007830-102016-BP-001 (480-108247-1), WG-007830-102016-BP-002 (480-108247-2), WG-007830-102016-BP-003 (480-108247-3), WG-007830-102016-BP-004 (480-108247-4), WG-007830-102016-BP-005 (480-108247-5) and WG-007830-102016-BP-006 (480-108247-6).

Method(s) 8270D: The continuing calibration verification (CCV) associated with batch 480-327738 recovered outside acceptance criteria, low biased, for bis (2-chloroisopropyl) ether and Hexachlorocyclopentadiene. 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. WG-007830-102016-BP-007 (480-108247-7), WG-007830-102016-BP-008 (480-108247-8), WG-007830-102016-BP-009 (480-108247-9), WG-007830-102016-BP-010 (480-108247-10), WG-007830-102116-BP-011 (480-108247-11), WG-007830-102116-BP-012 (480-108247-12), WG-007830-102116-BP-014 (480-108247-14), WG-007830-102116-BP-015 (480-108247-15), WG-007830-102116-BP-016 (480-108247-16), WG-007830-102116-BP-017 (480-108247-17) and WG-007830-102116-BP-018 (480-108247-18).

Method(s) 8270D: The method blank for preparation batch 480-327225 contained Bis(2-ethylhexyl) phthalate above the reporting limit (RL). None of the samples associated with this method blank contained the target compound; therefore, re-extraction and/or re-analysis of samples were not performed : WG-007830-102016-BP-001 (480-108247-1), WG-007830-102016-BP-002 (480-108247-2), WG-007830-102016-BP-004 (480-108247-4), WG-007830-102016-BP-005 (480-108247-5) and WG-007830-102016-BP-006 (480-108247-6), WG-007830-102016-BP-007 (480-108247-7), WG-007830-102016-BP-008 (480-108247-8), WG-007830-102016-BP-010 (480-108247-10), WG-007830-102116-BP-011 (480-108247-11), WG-007830-102116-BP-012 (480-108247-12), WG-007830-102116-BP-013 (480-108247-13), WG-007830-102116-BP-014 (480-108247-14), WG-007830-102116-BP-015 (480-108247-15), WG-007830-102116-BP-016 (480-108247-16), WG-007830-102116-BP-017 (480-108247-17) and WG-007830-102116-BP-018 (480-108247-18), SW-007830-102116-BP-019 (480-108247-19) and SW-007830-102116-BP-020 (480-108247-20) .

Method(s) 8270D: The following samples were diluted due to the nature of the sample matrix: WG-007830-102016-BP-008 (480-108247-8) and WG-007830-102116-BP-015 (480-108247-15). Elevated reporting limits (RLs) are provided.

Method(s) 8270D: The following samples were diluted due to appearance and viscosity: WG-007830-102116-BP-009 (480-108247-9) and WG-007830-102116-BP-017 (480-108247-17). Elevated reporting limits (RL) are provided.

Method(s) 8270D: The following sample was diluted due to abundance of non-target analytes: WG-007830-102116-BP-018 (480-108247-18). As such, surrogate recoveries are below the calibration range, and elevated reporting limits (RLs) are provided.

Method(s) 8270D: The continuing calibration verification (CCV) associated with batch 480-327997 recovered outside acceptance criteria, low biased, for bis (2-chloroisopropyl) ether, 2,4-Dinitrophenol, Hexachlorocyclopentadiene and Pentachlorophenol. 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. WG-007830-102116-BP-013 (480-108247-13), SW-007830-102116-BP-019 (480-108247-19) and SW-007830-102116-BP-020 (480-108247-20).

Method(s) 8270D: The following samples were diluted due to the nature of the sample matrix: WG-007830-102116-BP-013 (480-108247-13), SW-007830-102116-BP-019 (480-108247-19) and SW-007830-102116-BP-020 (480-108247-20). Elevated reporting limits (RLs) are provided.

Method(s) 8270D: The following samples were diluted due to appearance and viscosity: WG-007830-102116-BP-009 (480-108247-9). Elevated reporting limits (RL) are provided.

Job ID: 480-108247-1 (Continued)

Laboratory: TestAmerica Buffalo (Continued)

Method(s) 8270D: The following samples have been re-extracted and re-analyzed due to a detection for Bis(2-ethylhexyl) phthalate in the method blank (MB) of the original extraction and detections above the reporting limit (RL) and less than 10X in the samples: WG-007830-102016-BP-003 (480-108247-3) and WG-007830-102016-BP-009 (480-108247-9). Bis(2-ethylhexyl) phthalate has been reported from the second analysis only.

Method(s) 8270D: The method blank for preparation batch 480-327225 contained Bis(2-ethylhexyl) phthalate above the reporting limit (RL). The following sample contained a detection greater than the reporting limit for this compound, but less than 10X the detection found in the blank: WG-007830-102016-BP-003 (480-108247-3) and WG-007830-102016-BP-009 (480-108247-9). Re-extraction and re-analysis has been performed and both sets of data have been reported.

Method(s) 8270D: The laboratory control sample in preparation batch 480-328173 and analytical batch 480-328277 recovered below acceptable limits for 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, 2,6-Dinitrotoluene, 4-Chlorophenyl phenyl ether, 4,6-Dinitro-2-methylphenol, 2-Nitroaniline and 4-Bromophenyl phenyl ether. The affected samples were re-extracted due to a detection of Bis(2-ethylhexyl) phthalate in the method blank; therefore, a second re-extraction and re-analysis was not performed. The data have been qualified and reported. The following samples are impacted: WG-007830-102016-BP-003 (480-108247-3) and WG-007830-102016-BP-009 (480-108247-9).

Method(s) 8270D: The minimum response factor (RF) criteria for the continuing calibration verification (CCV) analyzed in analytical batch 480-328663 was outside criteria for the analyte Bis(2-chloroethoxy)methane. As indicated in the reference method, sample analysis may proceed; however, any detection or non-detection for the affected analyte is considered estimated. WG-007830-102016-BP-003 (480-108247-3) and WG-007830-102016-BP-009 (480-108247-9).

Method(s) 8270D: The continuing calibration verification (CCV) associated with analytical batch 480-328663 recovered outside acceptance criteria, low biased, for analytes bis(2-chloroisopropyl)ether, Hexachlorocyclopentadiene, 2,4-Dinitrophenol and Pentachlorophenol. A reporting limit (RL) standard was analyzed, and the target analytes were detected. Since the associated samples were non-detect for these analytes, the data have been reported. WG-007830-102016-BP-003 (480-108247-3) and WG-007830-102016-BP-009 (480-108247-9).

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

Organic Prep

Method(s) 3510C: Elevated reporting limits are provided for the following sample due to insufficient sample provided for preparation: WG-007830-102016-BP-002 (480-108247-2).

Method(s) 3510C: Elevated reporting limits are provided for the following sample due to insufficient sample provided for preparation: WG-007830-102016-BP-009 (480-108247-9).

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

Detection Summary

Client: GHD Services Inc.
Project/Site: Sterling Site 3

TestAmerica Job ID: 480-108247-1

Client Sample ID: WG-007830-102016-BP-001 — Lab Sample ID: 480-108247-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	29		10	3.0	ug/L	1		8260C	Total/NA

Client Sample ID: WG-007830-102016-BP-002 — Lab Sample ID: 480-108247-2

No Detections.

Client Sample ID: WG-007830-102016-BP-003 — Lab Sample ID: 480-108247-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethyl ether	55		10	0.72	ug/L	1		8260C	Total/NA
Bis(2-ethylhexyl) phthalate	8.0	B	4.6	2.0	ug/L	1		8270D	Total/NA

Client Sample ID: WG-007830-102016-BP-004 — Lab Sample ID: 480-108247-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	20		20	8.2	ug/L	20		8260C	Total/NA
Ethyl ether	910	F1	200	14	ug/L	20		8260C	Total/NA
Bis(2-ethylhexyl) phthalate	3.6	J B	4.8	2.1	ug/L	1		8270D	Total/NA

Client Sample ID: WG-007830-102016-BP-005 — Lab Sample ID: 480-108247-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethyl ether	32		10	0.72	ug/L	1		8260C	Total/NA

Client Sample ID: WG-007830-102016-BP-006 — Lab Sample ID: 480-108247-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethyl ether	2000		400	29	ug/L	40		8260C	Total/NA

Client Sample ID: WG-007830-102016-BP-007 — Lab Sample ID: 480-108247-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	13		8.0	3.3	ug/L	8		8260C	Total/NA
Ethyl ether	30	J	80	5.8	ug/L	8		8260C	Total/NA
Benzaldehyde	0.35	J	4.9	0.26	ug/L	1		8270D	Total/NA
Bis(2-ethylhexyl) phthalate	2.5	J B	4.9	2.1	ug/L	1		8270D	Total/NA
Diethyl phthalate	2.3	J	4.9	0.21	ug/L	1		8270D	Total/NA
Dimethyl phthalate	0.58	J	4.9	0.35	ug/L	1		8270D	Total/NA

Client Sample ID: WG-007830-102016-BP-008 — Lab Sample ID: 480-108247-8

No Detections.

Client Sample ID: WG-007830-102016-BP-009 — Lab Sample ID: 480-108247-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethyl ether	30		10	0.72	ug/L	1		8260C	Total/NA
Bis(2-ethylhexyl) phthalate	54	B	49	22	ug/L	10		8270D	Total/NA
Bis(2-ethylhexyl) phthalate - RE	140	J	170	74	ug/L	10		8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: GHD Services Inc.
Project/Site: Sterling Site 3

TestAmerica Job ID: 480-108247-1

Client Sample ID: WG-007830-102016-BP-010 — Lab Sample ID: 480-108247-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.4	J	10	3.0	ug/L	1		8260C	Total/NA
Benzene	21		1.0	0.41	ug/L	1		8260C	Total/NA
Chlorobenzene	2.0	J	5.0	0.75	ug/L	1		8260C	Total/NA
Chloroform	1.8	J	5.0	0.34	ug/L	1		8260C	Total/NA
Ethyl ether	220	E	10	0.72	ug/L	1		8260C	Total/NA
Benzene - DL	33		5.0	2.1	ug/L	5		8260C	Total/NA
Chloroform - DL	1.8	J	25	1.7	ug/L	5		8260C	Total/NA
Ethyl ether - DL	230		50	3.6	ug/L	5		8260C	Total/NA

Client Sample ID: WG-007830-102116-BP-011 — Lab Sample ID: 480-108247-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	18	J	50	15	ug/L	5		8260C	Total/NA
Ethyl ether	880	E	50	3.6	ug/L	5		8260C	Total/NA
Ethyl ether - DL	1000	F1	200	14	ug/L	20		8260C	Total/NA
Bis(2-ethylhexyl) phthalate	2.7	J B	5.1	2.3	ug/L	1		8270D	Total/NA

Client Sample ID: WG-007830-102116-BP-012 — Lab Sample ID: 480-108247-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethyl ether	3.9	J	10	0.72	ug/L	1		8260C	Total/NA

Client Sample ID: WG-007830-102116-BP-013 — Lab Sample ID: 480-108247-13

No Detections.

Client Sample ID: WG-007830-102116-BP-014 — Lab Sample ID: 480-108247-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethyl ether	0.74	J	10	0.72	ug/L	1		8260C	Total/NA

Client Sample ID: WG-007830-102116-BP-015 — Lab Sample ID: 480-108247-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	280	E	1.0	0.41	ug/L	1		8260C	Total/NA
Chlorobenzene	670	E	5.0	0.75	ug/L	1		8260C	Total/NA
Chloromethane	0.43	J	10	0.35	ug/L	1		8260C	Total/NA
Ethyl ether	41		10	0.72	ug/L	1		8260C	Total/NA
Ethylbenzene	5.3		5.0	0.74	ug/L	1		8260C	Total/NA
m&p-Xylene	9.8		5.0	0.66	ug/L	1		8260C	Total/NA
Toluene	1.7	J	5.0	0.51	ug/L	1		8260C	Total/NA
3-Methylthiophene	0.58	J	10	0.53	ug/L	1		8260C	Total/NA
Benzene - DL	400		25	10	ug/L	25		8260C	Total/NA
Chlorobenzene - DL	1700	F1	130	19	ug/L	25		8260C	Total/NA
Ethyl ether - DL	45	J	250	18	ug/L	25		8260C	Total/NA
4-Chloroaniline	46	J	48	5.7	ug/L	10		8270D	Total/NA
Phenol	34	J	48	3.7	ug/L	10		8270D	Total/NA

Client Sample ID: WG-007830-102116-BP-016 — Lab Sample ID: 480-108247-16

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: GHD Services Inc.
Project/Site: Sterling Site 3

TestAmerica Job ID: 480-108247-1

Client Sample ID: WG-007830-102116-BP-016 (Continued) — Lab Sample ID: 480-108247-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethyl ether	130		50	3.6	ug/L	5		8260C	Total/NA
Diethyl phthalate	0.33	J	4.9	0.22	ug/L	1		8270D	Total/NA

Client Sample ID: WG-007830-102116-BP-017 — Lab Sample ID: 480-108247-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.7	J	10	3.0	ug/L	1		8260C	Total/NA
Carbon disulfide	0.44	J	5.0	0.19	ug/L	1		8260C	Total/NA
Toluene	3.8	J	5.0	0.51	ug/L	1		8260C	Total/NA

Client Sample ID: WG-007830-102116-BP-018 — Lab Sample ID: 480-108247-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethyl ether	1100	E	10	0.72	ug/L	1		8260C	Total/NA
Ethyl ether - DL	1500		200	14	ug/L	20		8260C	Total/NA

Client Sample ID: SW-007830-102116-BP-019 — Lab Sample ID: 480-108247-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	17	J	20	6.0	ug/L	2		8260C	Total/NA

Client Sample ID: SW-007830-102116-BP-020 — Lab Sample ID: 480-108247-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	15	J	50	15	ug/L	5		8260C	Total/NA
Benzo[b]fluoranthene	5.7	J	51	3.5	ug/L	10		8270D	Total/NA
Fluoranthene	6.5	J	51	4.1	ug/L	10		8270D	Total/NA
Pyrene	5.0	J	51	3.5	ug/L	10		8270D	Total/NA

Client Sample ID: TRIP BLANKS — Lab Sample ID: 480-108247-21

No Detections.

Client Sample ID: TRIP BLANKS — Lab Sample ID: 480-108247-22

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: WG-007830-102016-BP-001
Date Collected: 10/20/16 09:00
Date Received: 10/22/16 09:00

Lab Sample ID: 480-108247-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.0	U	5.0	0.82	ug/L			10/25/16 15:59	1
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.21	ug/L			10/25/16 15:59	1
1,1,2-Trichloroethane	5.0	U	5.0	0.23	ug/L			10/25/16 15:59	1
1,1-Dichloroethane	5.0	U	5.0	0.38	ug/L			10/25/16 15:59	1
1,1-Dichloroethene	5.0	U	5.0	0.29	ug/L			10/25/16 15:59	1
1,2-Dichloroethane	5.0	U	5.0	0.21	ug/L			10/25/16 15:59	1
1,2-Dichloropropane	5.0	U	5.0	0.72	ug/L			10/25/16 15:59	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			10/25/16 15:59	1
2-Hexanone	10	U	10	1.2	ug/L			10/25/16 15:59	1
2-Methylthiophene	10	U	10	0.44	ug/L			10/25/16 15:59	1
4-Methyl-2-pentanone (MIBK)	10	U	10	2.1	ug/L			10/25/16 15:59	1
Acetone	**29**		10	3.0	ug/L			10/25/16 15:59	1
Benzene	1.0	U	1.0	0.41	ug/L			10/25/16 15:59	1
Bromoform	5.0	U	5.0	0.26	ug/L			10/25/16 15:59	1
Bromomethane	10	U	10	0.69	ug/L			10/25/16 15:59	1
Carbon disulfide	5.0	U	5.0	0.19	ug/L			10/25/16 15:59	1
Carbon tetrachloride	5.0	U	5.0	0.27	ug/L			10/25/16 15:59	1
Chlorobenzene	5.0	U	5.0	0.75	ug/L			10/25/16 15:59	1
Dibromochloromethane	5.0	U	5.0	0.32	ug/L			10/25/16 15:59	1
Chloroethane	10	U	10	0.32	ug/L			10/25/16 15:59	1
Chloroform	5.0	U	5.0	0.34	ug/L			10/25/16 15:59	1
Chloromethane	10	U	10	0.35	ug/L			10/25/16 15:59	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.81	ug/L			10/25/16 15:59	1
Bromodichloromethane	5.0	U	5.0	0.39	ug/L			10/25/16 15:59	1
Ethyl ether	10	U	10	0.72	ug/L			10/25/16 15:59	1
Ethylbenzene	5.0	U	5.0	0.74	ug/L			10/25/16 15:59	1
Methylene Chloride	5.0	U	5.0	0.44	ug/L			10/25/16 15:59	1
m&p-Xylene	5.0	U	5.0	0.66	ug/L			10/25/16 15:59	1
o-Xylene	5.0	U	5.0	0.76	ug/L			10/25/16 15:59	1
Tetrachloroethene	5.0	U	5.0	0.36	ug/L			10/25/16 15:59	1
Toluene	5.0	U	5.0	0.51	ug/L			10/25/16 15:59	1
trans-1,2-Dichloroethene	5.0	U	5.0	0.90	ug/L			10/25/16 15:59	1
trans-1,3-Dichloropropene	5.0	U	5.0	0.37	ug/L			10/25/16 15:59	1
Trichloroethene	5.0	U	5.0	0.46	ug/L			10/25/16 15:59	1
Vinyl chloride	10	U	10	0.90	ug/L			10/25/16 15:59	1
cis-1,3-Dichloropropene	5.0	U	5.0	0.36	ug/L			10/25/16 15:59	1
Styrene	5.0	U	5.0	0.73	ug/L			10/25/16 15:59	1
3-Methylthiophene	10	U	10	0.53	ug/L			10/25/16 15:59	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*10/25/16 15:59*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*		*10/25/16 15:59*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*10/25/16 15:59*	*1*
Dibromofluoromethane (Surr)	*109*		*75 - 123*		*10/25/16 15:59*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/25/16 15:59*	*1*

Client: GHD Services Inc.
Project/Site: Sterling Site 3

TestAmerica Job ID: 480-108247-1

Client Sample ID: WG-007830-102016-BP-001
Date Collected: 10/20/16 09:00
Date Received: 10/22/16 09:00

Lab Sample ID: 480-108247-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	9.5	U	9.5	0.42	ug/L		10/24/16 07:42	10/25/16 18:33	1
1,2-Dichlorobenzene	9.5	U	9.5	0.38	ug/L		10/24/16 07:42	10/25/16 18:33	1
1,3-Dichlorobenzene	9.5	U	9.5	0.46	ug/L		10/24/16 07:42	10/25/16 18:33	1
1,4-Dichlorobenzene	9.5	U	9.5	0.44	ug/L		10/24/16 07:42	10/25/16 18:33	1
2,4,5-Trichlorophenol	4.7	U	4.7	0.46	ug/L		10/24/16 07:42	10/25/16 18:33	1
2,4,6-Trichlorophenol	4.7	U	4.7	0.58	ug/L		10/24/16 07:42	10/25/16 18:33	1
2,4-Dichlorophenol	4.7	U	4.7	0.48	ug/L		10/24/16 07:42	10/25/16 18:33	1
2,4-Dimethylphenol	4.7	U	4.7	0.47	ug/L		10/24/16 07:42	10/25/16 18:33	1
2,4-Dinitrophenol	9.5	U	9.5	2.1	ug/L		10/24/16 07:42	10/25/16 18:33	1
2,4-Dinitrotoluene	4.7	U	4.7	0.42	ug/L		10/24/16 07:42	10/25/16 18:33	1
2,6-Dinitrotoluene	4.7	U	4.7	0.38	ug/L		10/24/16 07:42	10/25/16 18:33	1
2-Chloronaphthalene	4.7	U	4.7	0.44	ug/L		10/24/16 07:42	10/25/16 18:33	1
2-Chlorophenol	4.7	U	4.7	0.50	ug/L		10/24/16 07:42	10/25/16 18:33	1
2-Methylnaphthalene	4.7	U	4.7	0.57	ug/L		10/24/16 07:42	10/25/16 18:33	1
2-Methylphenol	4.7	U	4.7	0.38	ug/L		10/24/16 07:42	10/25/16 18:33	1
2-Nitroaniline	9.5	U	9.5	0.40	ug/L		10/24/16 07:42	10/25/16 18:33	1
2-Nitrophenol	4.7	U	4.7	0.46	ug/L		10/24/16 07:42	10/25/16 18:33	1
3,3'-Dichlorobenzidine	4.7	U	4.7	0.38	ug/L		10/24/16 07:42	10/25/16 18:33	1
3-Nitroaniline	9.5	U	9.5	0.46	ug/L		10/24/16 07:42	10/25/16 18:33	1
4,6-Dinitro-2-methylphenol	9.5	U	9.5	2.1	ug/L		10/24/16 07:42	10/25/16 18:33	1
4-Bromophenyl phenyl ether	4.7	U	4.7	0.43	ug/L		10/24/16 07:42	10/25/16 18:33	1
4-Chloro-3-methylphenol	4.7	U	4.7	0.43	ug/L		10/24/16 07:42	10/25/16 18:33	1
4-Chloroaniline	4.7	U	4.7	0.56	ug/L		10/24/16 07:42	10/25/16 18:33	1
4-Chlorophenyl phenyl ether	4.7	U	4.7	0.33	ug/L		10/24/16 07:42	10/25/16 18:33	1
4-Methylphenol	9.5	U	9.5	0.34	ug/L		10/24/16 07:42	10/25/16 18:33	1
4-Nitroaniline	9.5	U	9.5	0.24	ug/L		10/24/16 07:42	10/25/16 18:33	1
4-Nitrophenol	9.5	U	9.5	1.4	ug/L		10/24/16 07:42	10/25/16 18:33	1
Acenaphthene	4.7	U	4.7	0.39	ug/L		10/24/16 07:42	10/25/16 18:33	1
Acenaphthylene	4.7	U	4.7	0.36	ug/L		10/24/16 07:42	10/25/16 18:33	1
Anthracene	4.7	U	4.7	0.27	ug/L		10/24/16 07:42	10/25/16 18:33	1
Benzaldehyde	4.7	U	4.7	0.25	ug/L		10/24/16 07:42	10/25/16 18:33	1
Benzo[a]anthracene	4.7	U	4.7	0.34	ug/L		10/24/16 07:42	10/25/16 18:33	1
Benzo[a]pyrene	4.7	U	4.7	0.45	ug/L		10/24/16 07:42	10/25/16 18:33	1
Benzo[b]fluoranthene	4.7	U	4.7	0.32	ug/L		10/24/16 07:42	10/25/16 18:33	1
Benzo[g,h,i]perylene	4.7	U	4.7	0.33	ug/L		10/24/16 07:42	10/25/16 18:33	1
Benzo[k]fluoranthene	4.7	U	4.7	0.69	ug/L		10/24/16 07:42	10/25/16 18:33	1
bis (2-chloroisopropyl) ether	4.7	U	4.7	0.49	ug/L		10/24/16 07:42	10/25/16 18:33	1
Bis(2-chloroethoxy)methane	4.7	U	4.7	0.33	ug/L		10/24/16 07:42	10/25/16 18:33	1
Bis(2-chloroethyl)ether	4.7	U	4.7	0.38	ug/L		10/24/16 07:42	10/25/16 18:33	1
Bis(2-ethylhexyl) phthalate	4.7	U	4.7	2.1	ug/L		10/24/16 07:42	10/25/16 18:33	1
Butyl benzyl phthalate	4.7	U	4.7	0.95	ug/L		10/24/16 07:42	10/25/16 18:33	1
Carbazole	4.7	U	4.7	0.28	ug/L		10/24/16 07:42	10/25/16 18:33	1
Chrysene	4.7	U	4.7	0.31	ug/L		10/24/16 07:42	10/25/16 18:33	1
Dibenz(a,h)anthracene	4.7	U	4.7	0.40	ug/L		10/24/16 07:42	10/25/16 18:33	1
Dibenzofuran	9.5	U	9.5	0.48	ug/L		10/24/16 07:42	10/25/16 18:33	1
Diethyl phthalate	4.7	U	4.7	0.21	ug/L		10/24/16 07:42	10/25/16 18:33	1
Dimethyl phthalate	4.7	U	4.7	0.34	ug/L		10/24/16 07:42	10/25/16 18:33	1
Di-n-butyl phthalate	4.7	U	4.7	0.29	ug/L		10/24/16 07:42	10/25/16 18:33	1
Di-n-octyl phthalate	4.7	U	4.7	0.45	ug/L		10/24/16 07:42	10/25/16 18:33	1

Client: GHD Services Inc.
Project/Site: Sterling Site 3

TestAmerica Job ID: 480-108247-1

Client Sample ID: WG-007830-102016-BP-001
Date Collected: 10/20/16 09:00
Date Received: 10/22/16 09:00

Lab Sample ID: 480-108247-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	4.7	U	4.7	0.38	ug/L		10/24/16 07:42	10/25/16 18:33	1
Fluorene	4.7	U	4.7	0.34	ug/L		10/24/16 07:42	10/25/16 18:33	1
Hexachlorobenzene	4.7	U	4.7	0.48	ug/L		10/24/16 07:42	10/25/16 18:33	1
Hexachlorobutadiene	4.7	U	4.7	0.65	ug/L		10/24/16 07:42	10/25/16 18:33	1
Hexachlorocyclopentadiene	4.7	U	4.7	0.56	ug/L		10/24/16 07:42	10/25/16 18:33	1
Hexachloroethane	4.7	U	4.7	0.56	ug/L		10/24/16 07:42	10/25/16 18:33	1
Indeno[1,2,3-cd]pyrene	4.7	U	4.7	0.45	ug/L		10/24/16 07:42	10/25/16 18:33	1
Isophorone	4.7	U	4.7	0.41	ug/L		10/24/16 07:42	10/25/16 18:33	1
Naphthalene	4.7	U	4.7	0.72	ug/L		10/24/16 07:42	10/25/16 18:33	1
Nitrobenzene	4.7	U	4.7	0.28	ug/L		10/24/16 07:42	10/25/16 18:33	1
N-Nitrosodi-n-propylamine	4.7	U	4.7	0.51	ug/L		10/24/16 07:42	10/25/16 18:33	1
N-Nitrosodiphenylamine	4.7	U	4.7	0.48	ug/L		10/24/16 07:42	10/25/16 18:33	1
Pentachlorophenol	9.5	U	9.5	2.1	ug/L		10/24/16 07:42	10/25/16 18:33	1
Phenanthrene	4.7	U	4.7	0.42	ug/L		10/24/16 07:42	10/25/16 18:33	1
Phenol	4.7	U	4.7	0.37	ug/L		10/24/16 07:42	10/25/16 18:33	1
Pyrene	4.7	U	4.7	0.32	ug/L		10/24/16 07:42	10/25/16 18:33	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*1.6*	*T J*	*ug/L*		*3.33*		*10/24/16 07:42*	*10/25/16 18:33*	*1*
Unknown	*24*	*T J*	*ug/L*		*5.12*		*10/24/16 07:42*	*10/25/16 18:33*	*1*
Cyclopentasiloxane, decamethyl-	*2.7*	*T J N*	*ug/L*		*7.15*	*541-02-6*	*10/24/16 07:42*	*10/25/16 18:33*	*1*
Unknown	*1.5*	*T J*	*ug/L*		*8.01*		*10/24/16 07:42*	*10/25/16 18:33*	*1*
Unknown	*2.5*	*T J*	*ug/L*		*9.92*		*10/24/16 07:42*	*10/25/16 18:33*	*1*
Unknown	*1.9*	*T J*	*ug/L*		*9.95*		*10/24/16 07:42*	*10/25/16 18:33*	*1*
Unknown	*5.0*	*T J*	*ug/L*		*10.03*		*10/24/16 07:42*	*10/25/16 18:33*	*1*
Unknown	*2.0*	*T J*	*ug/L*		*10.08*		*10/24/16 07:42*	*10/25/16 18:33*	*1*
Phenobarbital	*4.0*	*T J N*	*ug/L*		*11.00*	*50-06-6*	*10/24/16 07:42*	*10/25/16 18:33*	*1*
Unknown	*3.3*	*T J*	*ug/L*		*11.04*		*10/24/16 07:42*	*10/25/16 18:33*	*1*
Unknown	*1.7*	*T J*	*ug/L*		*12.47*		*10/24/16 07:42*	*10/25/16 18:33*	*1*
Unknown	*4.6*	*T J*	*ug/L*		*14.50*		*10/24/16 07:42*	*10/25/16 18:33*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*89*		*52 - 132*	*10/24/16 07:42*	*10/25/16 18:33*	*1*
2-Fluorobiphenyl	*88*		*48 - 120*	*10/24/16 07:42*	*10/25/16 18:33*	*1*
2-Fluorophenol (Surr)	*68*		*20 - 120*	*10/24/16 07:42*	*10/25/16 18:33*	*1*
Nitrobenzene-d5 (Surr)	*77*		*46 - 120*	*10/24/16 07:42*	*10/25/16 18:33*	*1*
Phenol-d5 (Surr)	*50*		*16 - 120*	*10/24/16 07:42*	*10/25/16 18:33*	*1*
p-Terphenyl-d14 (Surr)	*83*		*67 - 150*	*10/24/16 07:42*	*10/25/16 18:33*	*1*

Client Sample ID: WG-007830-102016-BP-002
Date Collected: 10/20/16 09:30
Date Received: 10/22/16 09:00

Lab Sample ID: 480-108247-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.0	U	5.0	0.82	ug/L			10/25/16 16:26	1
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.21	ug/L			10/25/16 16:26	1
1,1,2-Trichloroethane	5.0	U	5.0	0.23	ug/L			10/25/16 16:26	1
1,1-Dichloroethane	5.0	U	5.0	0.38	ug/L			10/25/16 16:26	1
1,1-Dichloroethene	5.0	U	5.0	0.29	ug/L			10/25/16 16:26	1
1,2-Dichloroethane	5.0	U	5.0	0.21	ug/L			10/25/16 16:26	1
1,2-Dichloropropane	5.0	U	5.0	0.72	ug/L			10/25/16 16:26	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			10/25/16 16:26	1
2-Hexanone	10	U	10	1.2	ug/L			10/25/16 16:26	1
2-Methylthiophene	10	U	10	0.44	ug/L			10/25/16 16:26	1
4-Methyl-2-pentanone (MIBK)	10	U	10	2.1	ug/L			10/25/16 16:26	1
Acetone	10	U	10	3.0	ug/L			10/25/16 16:26	1
Benzene	1.0	U	1.0	0.41	ug/L			10/25/16 16:26	1
Bromoform	5.0	U	5.0	0.26	ug/L			10/25/16 16:26	1
Bromomethane	10	U	10	0.69	ug/L			10/25/16 16:26	1
Carbon disulfide	5.0	U	5.0	0.19	ug/L			10/25/16 16:26	1
Carbon tetrachloride	5.0	U	5.0	0.27	ug/L			10/25/16 16:26	1
Chlorobenzene	5.0	U	5.0	0.75	ug/L			10/25/16 16:26	1
Dibromochloromethane	5.0	U	5.0	0.32	ug/L			10/25/16 16:26	1
Chloroethane	10	U	10	0.32	ug/L			10/25/16 16:26	1
Chloroform	5.0	U	5.0	0.34	ug/L			10/25/16 16:26	1
Chloromethane	10	U	10	0.35	ug/L			10/25/16 16:26	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.81	ug/L			10/25/16 16:26	1
Bromodichloromethane	5.0	U	5.0	0.39	ug/L			10/25/16 16:26	1
Ethyl ether	10	U	10	0.72	ug/L			10/25/16 16:26	1
Ethylbenzene	5.0	U	5.0	0.74	ug/L			10/25/16 16:26	1
Methylene Chloride	5.0	U	5.0	0.44	ug/L			10/25/16 16:26	1
m&p-Xylene	5.0	U	5.0	0.66	ug/L			10/25/16 16:26	1
o-Xylene	5.0	U	5.0	0.76	ug/L			10/25/16 16:26	1
Tetrachloroethene	5.0	U	5.0	0.36	ug/L			10/25/16 16:26	1
Toluene	5.0	U	5.0	0.51	ug/L			10/25/16 16:26	1
trans-1,2-Dichloroethene	5.0	U	5.0	0.90	ug/L			10/25/16 16:26	1
trans-1,3-Dichloropropene	5.0	U	5.0	0.37	ug/L			10/25/16 16:26	1
Trichloroethene	5.0	U	5.0	0.46	ug/L			10/25/16 16:26	1
Vinyl chloride	10	U	10	0.90	ug/L			10/25/16 16:26	1
cis-1,3-Dichloropropene	5.0	U	5.0	0.36	ug/L			10/25/16 16:26	1
Styrene	5.0	U	5.0	0.73	ug/L			10/25/16 16:26	1
3-Methylthiophene	10	U	10	0.53	ug/L			10/25/16 16:26	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*10/25/16 16:26*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 120*		*10/25/16 16:26*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*10/25/16 16:26*	*1*
Dibromofluoromethane (Surr)	*111*		*75 - 123*		*10/25/16 16:26*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*10/25/16 16:26*	*1*

Client: GHD Services Inc.
Project/Site: Sterling Site 3

TestAmerica Job ID: 480-108247-1

Client Sample ID: WG-007830-102016-BP-002
Date Collected: 10/20/16 09:30
Date Received: 10/22/16 09:00

Lab Sample ID: 480-108247-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	15	U	15	0.64	ug/L		10/24/16 07:42	10/25/16 19:02	1
1,2-Dichlorobenzene	15	U	15	0.58	ug/L		10/24/16 07:42	10/25/16 19:02	1
1,3-Dichlorobenzene	15	U	15	0.70	ug/L		10/24/16 07:42	10/25/16 19:02	1
1,4-Dichlorobenzene	15	U	15	0.67	ug/L		10/24/16 07:42	10/25/16 19:02	1
2,4,5-Trichlorophenol	7.3	U	7.3	0.70	ug/L		10/24/16 07:42	10/25/16 19:02	1
2,4,6-Trichlorophenol	7.3	U	7.3	0.89	ug/L		10/24/16 07:42	10/25/16 19:02	1
2,4-Dichlorophenol	7.3	U	7.3	0.75	ug/L		10/24/16 07:42	10/25/16 19:02	1
2,4-Dimethylphenol	7.3	U	7.3	0.73	ug/L		10/24/16 07:42	10/25/16 19:02	1
2,4-Dinitrophenol	15	U	15	3.2	ug/L		10/24/16 07:42	10/25/16 19:02	1
2,4-Dinitrotoluene	7.3	U	7.3	0.65	ug/L		10/24/16 07:42	10/25/16 19:02	1
2,6-Dinitrotoluene	7.3	U	7.3	0.58	ug/L		10/24/16 07:42	10/25/16 19:02	1
2-Chloronaphthalene	7.3	U	7.3	0.67	ug/L		10/24/16 07:42	10/25/16 19:02	1
2-Chlorophenol	7.3	U	7.3	0.77	ug/L		10/24/16 07:42	10/25/16 19:02	1
2-Methylnaphthalene	7.3	U	7.3	0.88	ug/L		10/24/16 07:42	10/25/16 19:02	1
2-Methylphenol	7.3	U	7.3	0.58	ug/L		10/24/16 07:42	10/25/16 19:02	1
2-Nitroaniline	15	U	15	0.61	ug/L		10/24/16 07:42	10/25/16 19:02	1
2-Nitrophenol	7.3	U	7.3	0.70	ug/L		10/24/16 07:42	10/25/16 19:02	1
3,3'-Dichlorobenzidine	7.3	U	7.3	0.58	ug/L		10/24/16 07:42	10/25/16 19:02	1
3-Nitroaniline	15	U	15	0.70	ug/L		10/24/16 07:42	10/25/16 19:02	1
4,6-Dinitro-2-methylphenol	15	U	15	3.2	ug/L		10/24/16 07:42	10/25/16 19:02	1
4-Bromophenyl phenyl ether	7.3	U	7.3	0.66	ug/L		10/24/16 07:42	10/25/16 19:02	1
4-Chloro-3-methylphenol	7.3	U	7.3	0.66	ug/L		10/24/16 07:42	10/25/16 19:02	1
4-Chloroaniline	7.3	U	7.3	0.86	ug/L		10/24/16 07:42	10/25/16 19:02	1
4-Chlorophenyl phenyl ether	7.3	U	7.3	0.51	ug/L		10/24/16 07:42	10/25/16 19:02	1
4-Methylphenol	15	U	15	0.53	ug/L		10/24/16 07:42	10/25/16 19:02	1
4-Nitroaniline	15	U	15	0.37	ug/L		10/24/16 07:42	10/25/16 19:02	1
4-Nitrophenol	15	U	15	2.2	ug/L		10/24/16 07:42	10/25/16 19:02	1
Acenaphthene	7.3	U	7.3	0.60	ug/L		10/24/16 07:42	10/25/16 19:02	1
Acenaphthylene	7.3	U	7.3	0.56	ug/L		10/24/16 07:42	10/25/16 19:02	1
Anthracene	7.3	U	7.3	0.41	ug/L		10/24/16 07:42	10/25/16 19:02	1
Benzaldehyde	7.3	U	7.3	0.39	ug/L		10/24/16 07:42	10/25/16 19:02	1
Benzo[a]anthracene	7.3	U	7.3	0.53	ug/L		10/24/16 07:42	10/25/16 19:02	1
Benzo[a]pyrene	7.3	U	7.3	0.69	ug/L		10/24/16 07:42	10/25/16 19:02	1
Benzo[b]fluoranthene	7.3	U	7.3	0.50	ug/L		10/24/16 07:42	10/25/16 19:02	1
Benzo[g,h,i]perylene	7.3	U	7.3	0.51	ug/L		10/24/16 07:42	10/25/16 19:02	1
Benzo[k]fluoranthene	7.3	U	7.3	1.1	ug/L		10/24/16 07:42	10/25/16 19:02	1
bis (2-chloroisopropyl) ether	7.3	U	7.3	0.76	ug/L		10/24/16 07:42	10/25/16 19:02	1
Bis(2-chloroethoxy)methane	7.3	U	7.3	0.51	ug/L		10/24/16 07:42	10/25/16 19:02	1
Bis(2-chloroethyl)ether	7.3	U	7.3	0.58	ug/L		10/24/16 07:42	10/25/16 19:02	1
Bis(2-ethylhexyl) phthalate	7.3	U	7.3	3.2	ug/L		10/24/16 07:42	10/25/16 19:02	1
Butyl benzyl phthalate	7.3	U	7.3	1.5	ug/L		10/24/16 07:42	10/25/16 19:02	1
Carbazole	7.3	U	7.3	0.44	ug/L		10/24/16 07:42	10/25/16 19:02	1
Chrysene	7.3	U	7.3	0.48	ug/L		10/24/16 07:42	10/25/16 19:02	1
Dibenz(a,h)anthracene	7.3	U	7.3	0.61	ug/L		10/24/16 07:42	10/25/16 19:02	1
Dibenzofuran	15	U	15	0.75	ug/L		10/24/16 07:42	10/25/16 19:02	1
Diethyl phthalate	7.3	U	7.3	0.32	ug/L		10/24/16 07:42	10/25/16 19:02	1
Dimethyl phthalate	7.3	U	7.3	0.53	ug/L		10/24/16 07:42	10/25/16 19:02	1
Di-n-butyl phthalate	7.3	U	7.3	0.45	ug/L		10/24/16 07:42	10/25/16 19:02	1
Di-n-octyl phthalate	7.3	U	7.3	0.69	ug/L		10/24/16 07:42	10/25/16 19:02	1

Client: GHD Services Inc.
Project/Site: Sterling Site 3

TestAmerica Job ID: 480-108247-1

Client Sample ID: WG-007830-102016-BP-002
Date Collected: 10/20/16 09:30
Date Received: 10/22/16 09:00

Lab Sample ID: 480-108247-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	7.3	U	7.3	0.58	ug/L		10/24/16 07:42	10/25/16 19:02	1
Fluorene	7.3	U	7.3	0.53	ug/L		10/24/16 07:42	10/25/16 19:02	1
Hexachlorobenzene	7.3	U	7.3	0.75	ug/L		10/24/16 07:42	10/25/16 19:02	1
Hexachlorobutadiene	7.3	U	7.3	0.99	ug/L		10/24/16 07:42	10/25/16 19:02	1
Hexachlorocyclopentadiene	7.3	U	7.3	0.86	ug/L		10/24/16 07:42	10/25/16 19:02	1
Hexachloroethane	7.3	U	7.3	0.86	ug/L		10/24/16 07:42	10/25/16 19:02	1
Indeno[1,2,3-cd]pyrene	7.3	U	7.3	0.69	ug/L		10/24/16 07:42	10/25/16 19:02	1
Isophorone	7.3	U	7.3	0.63	ug/L		10/24/16 07:42	10/25/16 19:02	1
Naphthalene	7.3	U	7.3	1.1	ug/L		10/24/16 07:42	10/25/16 19:02	1
Nitrobenzene	7.3	U	7.3	0.42	ug/L		10/24/16 07:42	10/25/16 19:02	1
N-Nitrosodi-n-propylamine	7.3	U	7.3	0.79	ug/L		10/24/16 07:42	10/25/16 19:02	1
N-Nitrosodiphenylamine	7.3	U	7.3	0.75	ug/L		10/24/16 07:42	10/25/16 19:02	1
Pentachlorophenol	15	U	15	3.2	ug/L		10/24/16 07:42	10/25/16 19:02	1
Phenanthrene	7.3	U	7.3	0.64	ug/L		10/24/16 07:42	10/25/16 19:02	1
Phenol	7.3	U	7.3	0.57	ug/L		10/24/16 07:42	10/25/16 19:02	1
Pyrene	7.3	U	7.3	0.50	ug/L		10/24/16 07:42	10/25/16 19:02	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*2.7*	*T J*	*ug/L*		*3.32*		*10/24/16 07:42*	*10/25/16 19:02*	*1*
Unknown	*46*	*T J*	*ug/L*		*5.11*		*10/24/16 07:42*	*10/25/16 19:02*	*1*
Cyclotetrasiloxane, octamethyl-	*5.3*	*T J N*	*ug/L*		*6.19*	*556-67-2*	*10/24/16 07:42*	*10/25/16 19:02*	*1*
Cyclopentasiloxane, decamethyl-	*6.2*	*T J N*	*ug/L*		*7.14*	*541-02-6*	*10/24/16 07:42*	*10/25/16 19:02*	*1*
Cyclohexasiloxane, dodecamethyl-	*2.5*	*T J N*	*ug/L*		*8.03*	*540-97-6*	*10/24/16 07:42*	*10/25/16 19:02*	*1*
Unknown	*3.7*	*T J*	*ug/L*		*12.46*		*10/24/16 07:42*	*10/25/16 19:02*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*82*		*52 - 132*	*10/24/16 07:42*	*10/25/16 19:02*	*1*
2-Fluorobiphenyl	*85*		*48 - 120*	*10/24/16 07:42*	*10/25/16 19:02*	*1*
2-Fluorophenol (Surr)	*75*		*20 - 120*	*10/24/16 07:42*	*10/25/16 19:02*	*1*
Nitrobenzene-d5 (Surr)	*73*		*46 - 120*	*10/24/16 07:42*	*10/25/16 19:02*	*1*
Phenol-d5 (Surr)	*61*		*16 - 120*	*10/24/16 07:42*	*10/25/16 19:02*	*1*
p-Terphenyl-d14 (Surr)	*82*		*67 - 150*	*10/24/16 07:42*	*10/25/16 19:02*	*1*

Client Sample ID: WG-007830-102016-BP-003 — **Lab Sample ID: 480-108247-3**
Date Collected: 10/20/16 10:00 — **Matrix: Water**
Date Received: 10/22/16 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.0	U	5.0	0.82	ug/L			10/25/16 01:40	1
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.21	ug/L			10/25/16 01:40	1
1,1,2-Trichloroethane	5.0	U	5.0	0.23	ug/L			10/25/16 01:40	1
1,1-Dichloroethane	5.0	U	5.0	0.38	ug/L			10/25/16 01:40	1
1,1-Dichloroethene	5.0	U	5.0	0.29	ug/L			10/25/16 01:40	1
1,2-Dichloroethane	5.0	U	5.0	0.21	ug/L			10/25/16 01:40	1
1,2-Dichloropropane	5.0	U	5.0	0.72	ug/L			10/25/16 01:40	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			10/25/16 01:40	1
2-Hexanone	10	U	10	1.2	ug/L			10/25/16 01:40	1
2-Methylthiophene	10	U	10	0.44	ug/L			10/25/16 01:40	1
4-Methyl-2-pentanone (MIBK)	10	U	10	2.1	ug/L			10/25/16 01:40	1
Acetone	10	U	10	3.0	ug/L			10/25/16 01:40	1
Benzene	1.0	U	1.0	0.41	ug/L			10/25/16 01:40	1
Bromoform	5.0	U	5.0	0.26	ug/L			10/25/16 01:40	1
Bromomethane	10	U	10	0.69	ug/L			10/25/16 01:40	1
Carbon disulfide	5.0	U	5.0	0.19	ug/L			10/25/16 01:40	1
Carbon tetrachloride	5.0	U	5.0	0.27	ug/L			10/25/16 01:40	1
Chlorobenzene	5.0	U	5.0	0.75	ug/L			10/25/16 01:40	1
Dibromochloromethane	5.0	U	5.0	0.32	ug/L			10/25/16 01:40	1
Chloroethane	10	U	10	0.32	ug/L			10/25/16 01:40	1
Chloroform	5.0	U	5.0	0.34	ug/L			10/25/16 01:40	1
Chloromethane	10	U	10	0.35	ug/L			10/25/16 01:40	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.81	ug/L			10/25/16 01:40	1
Bromodichloromethane	5.0	U	5.0	0.39	ug/L			10/25/16 01:40	1
Ethyl ether	**55**		10	0.72	ug/L			10/25/16 01:40	1
Ethylbenzene	5.0	U	5.0	0.74	ug/L			10/25/16 01:40	1
Methylene Chloride	5.0	U	5.0	0.44	ug/L			10/25/16 01:40	1
m&p-Xylene	5.0	U	5.0	0.66	ug/L			10/25/16 01:40	1
o-Xylene	5.0	U	5.0	0.76	ug/L			10/25/16 01:40	1
Tetrachloroethene	5.0	U	5.0	0.36	ug/L			10/25/16 01:40	1
Toluene	5.0	U	5.0	0.51	ug/L			10/25/16 01:40	1
trans-1,2-Dichloroethene	5.0	U	5.0	0.90	ug/L			10/25/16 01:40	1
trans-1,3-Dichloropropene	5.0	U	5.0	0.37	ug/L			10/25/16 01:40	1
Trichloroethene	5.0	U	5.0	0.46	ug/L			10/25/16 01:40	1
Vinyl chloride	10	U	10	0.90	ug/L			10/25/16 01:40	1
cis-1,3-Dichloropropene	5.0	U	5.0	0.36	ug/L			10/25/16 01:40	1
Styrene	5.0	U	5.0	0.73	ug/L			10/25/16 01:40	1
3-Methylthiophene	10	U	10	0.53	ug/L			10/25/16 01:40	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*10/25/16 01:40*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*10/25/16 01:40*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*10/25/16 01:40*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*10/25/16 01:40*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*10/25/16 01:40*	*1*

Client: GHD Services Inc.
Project/Site: Sterling Site 3

TestAmerica Job ID: 480-108247-1

Client Sample ID: WG-007830-102016-BP-003
Date Collected: 10/20/16 10:00
Date Received: 10/22/16 09:00

Lab Sample ID: 480-108247-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	9.3	U	9.3	0.41	ug/L		10/24/16 07:42	10/25/16 19:31	1
1,2-Dichlorobenzene	9.3	U	9.3	0.37	ug/L		10/24/16 07:42	10/25/16 19:31	1
1,3-Dichlorobenzene	9.3	U	9.3	0.45	ug/L		10/24/16 07:42	10/25/16 19:31	1
1,4-Dichlorobenzene	9.3	U	9.3	0.43	ug/L		10/24/16 07:42	10/25/16 19:31	1
2,4,5-Trichlorophenol	4.6	U	4.6	0.45	ug/L		10/24/16 07:42	10/25/16 19:31	1
2,4,6-Trichlorophenol	4.6	U	4.6	0.57	ug/L		10/24/16 07:42	10/25/16 19:31	1
2,4-Dichlorophenol	4.6	U	4.6	0.47	ug/L		10/24/16 07:42	10/25/16 19:31	1
2,4-Dimethylphenol	4.6	U	4.6	0.46	ug/L		10/24/16 07:42	10/25/16 19:31	1
2,4-Dinitrophenol	9.3	U	9.3	2.1	ug/L		10/24/16 07:42	10/25/16 19:31	1
2,4-Dinitrotoluene	4.6	U	4.6	0.42	ug/L		10/24/16 07:42	10/25/16 19:31	1
2,6-Dinitrotoluene	4.6	U	4.6	0.37	ug/L		10/24/16 07:42	10/25/16 19:31	1
2-Chloronaphthalene	4.6	U	4.6	0.43	ug/L		10/24/16 07:42	10/25/16 19:31	1
2-Chlorophenol	4.6	U	4.6	0.49	ug/L		10/24/16 07:42	10/25/16 19:31	1
2-Methylnaphthalene	4.6	U	4.6	0.56	ug/L		10/24/16 07:42	10/25/16 19:31	1
2-Methylphenol	4.6	U	4.6	0.37	ug/L		10/24/16 07:42	10/25/16 19:31	1
2-Nitroaniline	9.3	U	9.3	0.39	ug/L		10/24/16 07:42	10/25/16 19:31	1
2-Nitrophenol	4.6	U	4.6	0.45	ug/L		10/24/16 07:42	10/25/16 19:31	1
3,3'-Dichlorobenzidine	4.6	U	4.6	0.37	ug/L		10/24/16 07:42	10/25/16 19:31	1
3-Nitroaniline	9.3	U	9.3	0.45	ug/L		10/24/16 07:42	10/25/16 19:31	1
4,6-Dinitro-2-methylphenol	9.3	U	9.3	2.0	ug/L		10/24/16 07:42	10/25/16 19:31	1
4-Bromophenyl phenyl ether	4.6	U	4.6	0.42	ug/L		10/24/16 07:42	10/25/16 19:31	1
4-Chloro-3-methylphenol	4.6	U	4.6	0.42	ug/L		10/24/16 07:42	10/25/16 19:31	1
4-Chloroaniline	4.6	U	4.6	0.55	ug/L		10/24/16 07:42	10/25/16 19:31	1
4-Chlorophenyl phenyl ether	4.6	U	4.6	0.33	ug/L		10/24/16 07:42	10/25/16 19:31	1
4-Methylphenol	9.3	U	9.3	0.33	ug/L		10/24/16 07:42	10/25/16 19:31	1
4-Nitroaniline	9.3	U	9.3	0.23	ug/L		10/24/16 07:42	10/25/16 19:31	1
4-Nitrophenol	9.3	U	9.3	1.4	ug/L		10/24/16 07:42	10/25/16 19:31	1
Acenaphthene	4.6	U	4.6	0.38	ug/L		10/24/16 07:42	10/25/16 19:31	1
Acenaphthylene	4.6	U	4.6	0.35	ug/L		10/24/16 07:42	10/25/16 19:31	1
Anthracene	4.6	U	4.6	0.26	ug/L		10/24/16 07:42	10/25/16 19:31	1
Benzaldehyde	4.6	U	4.6	0.25	ug/L		10/24/16 07:42	10/25/16 19:31	1
Benzo[a]anthracene	4.6	U	4.6	0.33	ug/L		10/24/16 07:42	10/25/16 19:31	1
Benzo[a]pyrene	4.6	U	4.6	0.44	ug/L		10/24/16 07:42	10/25/16 19:31	1
Benzo[b]fluoranthene	4.6	U	4.6	0.32	ug/L		10/24/16 07:42	10/25/16 19:31	1
Benzo[g,h,i]perylene	4.6	U	4.6	0.33	ug/L		10/24/16 07:42	10/25/16 19:31	1
Benzo[k]fluoranthene	4.6	U	4.6	0.68	ug/L		10/24/16 07:42	10/25/16 19:31	1
bis (2-chloroisopropyl) ether	4.6	U	4.6	0.48	ug/L		10/24/16 07:42	10/25/16 19:31	1
Bis(2-chloroethoxy)methane	4.6	U	4.6	0.33	ug/L		10/24/16 07:42	10/25/16 19:31	1
Bis(2-chloroethyl)ether	4.6	U	4.6	0.37	ug/L		10/24/16 07:42	10/25/16 19:31	1
Bis(2-ethylhexyl) phthalate	**8.0**	**B**	4.6	2.0	ug/L		10/24/16 07:42	10/25/16 19:31	1
Butyl benzyl phthalate	4.6	U	4.6	0.93	ug/L		10/24/16 07:42	10/25/16 19:31	1
Carbazole	4.6	U	4.6	0.28	ug/L		10/24/16 07:42	10/25/16 19:31	1
Chrysene	4.6	U	4.6	0.31	ug/L		10/24/16 07:42	10/25/16 19:31	1
Dibenz(a,h)anthracene	4.6	U	4.6	0.39	ug/L		10/24/16 07:42	10/25/16 19:31	1
Dibenzofuran	9.3	U	9.3	0.47	ug/L		10/24/16 07:42	10/25/16 19:31	1
Diethyl phthalate	4.6	U	4.6	0.20	ug/L		10/24/16 07:42	10/25/16 19:31	1
Dimethyl phthalate	4.6	U	4.6	0.33	ug/L		10/24/16 07:42	10/25/16 19:31	1
Di-n-butyl phthalate	4.6	U	4.6	0.29	ug/L		10/24/16 07:42	10/25/16 19:31	1
Di-n-octyl phthalate	4.6	U	4.6	0.44	ug/L		10/24/16 07:42	10/25/16 19:31	1

Client Sample ID: WG-007830-102016-BP-003 — **Lab Sample ID: 480-108247-3**
Date Collected: 10/20/16 10:00 — **Matrix: Water**
Date Received: 10/22/16 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	4.6	U	4.6	0.37	ug/L		10/24/16 07:42	10/25/16 19:31	1
Fluorene	4.6	U	4.6	0.33	ug/L		10/24/16 07:42	10/25/16 19:31	1
Hexachlorobenzene	4.6	U	4.6	0.47	ug/L		10/24/16 07:42	10/25/16 19:31	1
Hexachlorobutadiene	4.6	U	4.6	0.63	ug/L		10/24/16 07:42	10/25/16 19:31	1
Hexachlorocyclopentadiene	4.6	U	4.6	0.55	ug/L		10/24/16 07:42	10/25/16 19:31	1
Hexachloroethane	4.6	U	4.6	0.55	ug/L		10/24/16 07:42	10/25/16 19:31	1
Indeno[1,2,3-cd]pyrene	4.6	U	4.6	0.44	ug/L		10/24/16 07:42	10/25/16 19:31	1
Isophorone	4.6	U	4.6	0.40	ug/L		10/24/16 07:42	10/25/16 19:31	1
Naphthalene	4.6	U	4.6	0.71	ug/L		10/24/16 07:42	10/25/16 19:31	1
Nitrobenzene	4.6	U	4.6	0.27	ug/L		10/24/16 07:42	10/25/16 19:31	1
N-Nitrosodi-n-propylamine	4.6	U	4.6	0.50	ug/L		10/24/16 07:42	10/25/16 19:31	1
N-Nitrosodiphenylamine	4.6	U	4.6	0.47	ug/L		10/24/16 07:42	10/25/16 19:31	1
Pentachlorophenol	9.3	U	9.3	2.0	ug/L		10/24/16 07:42	10/25/16 19:31	1
Phenanthrene	4.6	U	4.6	0.41	ug/L		10/24/16 07:42	10/25/16 19:31	1
Phenol	4.6	U	4.6	0.36	ug/L		10/24/16 07:42	10/25/16 19:31	1
Pyrene	4.6	U	4.6	0.32	ug/L		10/24/16 07:42	10/25/16 19:31	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Triethylamine	*13*	*T J N*	*ug/L*		*3.37*	*121-44-8*	*10/24/16 07:42*	*10/25/16 19:31*	*1*
Unknown	*23*	*T J*	*ug/L*		*5.11*		*10/24/16 07:42*	*10/25/16 19:31*	*1*
Cyclotetrasiloxane, octamethyl-	*1.6*	*T J N*	*ug/L*		*6.19*	*556-67-2*	*10/24/16 07:42*	*10/25/16 19:31*	*1*
Cyclopentasiloxane, decamethyl-	*2.8*	*T J N*	*ug/L*		*7.14*	*541-02-6*	*10/24/16 07:42*	*10/25/16 19:31*	*1*
Talbutal	*8.4*	*T J N*	*ug/L*		*10.03*	*115-44-6*	*10/24/16 07:42*	*10/25/16 19:31*	*1*
Phenobarbital di-methyl derivative	*3.1*	*T J N*	*ug/L*		*10.55*	*1000137-13-1*	*10/24/16 07:42*	*10/25/16 19:31*	*1*
Hexobarbital	*3.7*	*T J N*	*ug/L*		*10.62*	*56-29-1*	*10/24/16 07:42*	*10/25/16 19:31*	*1*
Unknown	*1.8*	*T J*	*ug/L*		*10.65*		*10/24/16 07:42*	*10/25/16 19:31*	*1*
Mephobarbital	*16*	*T J N*	*ug/L*		*10.77*	*115-38-8*	*10/24/16 07:42*	*10/25/16 19:31*	*1*
Phenobarbital	*15*	*T J N*	*ug/L*		*11.01*	*50-06-6*	*10/24/16 07:42*	*10/25/16 19:31*	*1*
Unknown	*5.6*	*T J*	*ug/L*		*11.04*		*10/24/16 07:42*	*10/25/16 19:31*	*1*
Unknown	*1.6*	*T J*	*ug/L*		*12.63*		*10/24/16 07:42*	*10/25/16 19:31*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*83*		*52 - 132*	*10/24/16 07:42*	*10/25/16 19:31*	*1*
2-Fluorobiphenyl	*84*		*48 - 120*	*10/24/16 07:42*	*10/25/16 19:31*	*1*
2-Fluorophenol (Surr)	*64*		*20 - 120*	*10/24/16 07:42*	*10/25/16 19:31*	*1*
Nitrobenzene-d5 (Surr)	*75*		*46 - 120*	*10/24/16 07:42*	*10/25/16 19:31*	*1*
Phenol-d5 (Surr)	*47*		*16 - 120*	*10/24/16 07:42*	*10/25/16 19:31*	*1*
p-Terphenyl-d14 (Surr)	*82*		*67 - 150*	*10/24/16 07:42*	*10/25/16 19:31*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	9.1	U	9.1	0.40	ug/L		10/27/16 16:31	10/31/16 19:57	1
1,2-Dichlorobenzene	9.1	U	9.1	0.37	ug/L		10/27/16 16:31	10/31/16 19:57	1
1,3-Dichlorobenzene	9.1	U	9.1	0.44	ug/L		10/27/16 16:31	10/31/16 19:57	1
1,4-Dichlorobenzene	9.1	U	9.1	0.42	ug/L		10/27/16 16:31	10/31/16 19:57	1
2,4,5-Trichlorophenol	4.6	U *	4.6	0.44	ug/L		10/27/16 16:31	10/31/16 19:57	1
2,4,6-Trichlorophenol	4.6	U *	4.6	0.56	ug/L		10/27/16 16:31	10/31/16 19:57	1
2,4-Dichlorophenol	4.6	U	4.6	0.47	ug/L		10/27/16 16:31	10/31/16 19:57	1
2,4-Dimethylphenol	4.6	U	4.6	0.46	ug/L		10/27/16 16:31	10/31/16 19:57	1

Client Sample ID: WG-007830-102016-BP-003
Date Collected: 10/20/16 10:00
Date Received: 10/22/16 09:00

Lab Sample ID: 480-108247-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrophenol	9.1	U	9.1	2.0	ug/L		10/27/16 16:31	10/31/16 19:57	1
2,4-Dinitrotoluene	4.6	U	4.6	0.41	ug/L		10/27/16 16:31	10/31/16 19:57	1
2,6-Dinitrotoluene	4.6	U *	4.6	0.37	ug/L		10/27/16 16:31	10/31/16 19:57	1
2-Chloronaphthalene	4.6	U	4.6	0.42	ug/L		10/27/16 16:31	10/31/16 19:57	1
2-Chlorophenol	4.6	U	4.6	0.48	ug/L		10/27/16 16:31	10/31/16 19:57	1
2-Methylnaphthalene	4.6	U	4.6	0.55	ug/L		10/27/16 16:31	10/31/16 19:57	1
2-Methylphenol	4.6	U	4.6	0.37	ug/L		10/27/16 16:31	10/31/16 19:57	1
2-Nitroaniline	9.1	U *	9.1	0.38	ug/L		10/27/16 16:31	10/31/16 19:57	1
2-Nitrophenol	4.6	U	4.6	0.44	ug/L		10/27/16 16:31	10/31/16 19:57	1
3,3'-Dichlorobenzidine	4.6	U	4.6	0.37	ug/L		10/27/16 16:31	10/31/16 19:57	1
3-Nitroaniline	9.1	U	9.1	0.44	ug/L		10/27/16 16:31	10/31/16 19:57	1
4,6-Dinitro-2-methylphenol	9.1	U *	9.1	2.0	ug/L		10/27/16 16:31	10/31/16 19:57	1
4-Bromophenyl phenyl ether	4.6	U *	4.6	0.41	ug/L		10/27/16 16:31	10/31/16 19:57	1
4-Chloro-3-methylphenol	4.6	U	4.6	0.41	ug/L		10/27/16 16:31	10/31/16 19:57	1
4-Chloroaniline	4.6	U	4.6	0.54	ug/L		10/27/16 16:31	10/31/16 19:57	1
4-Chlorophenyl phenyl ether	4.6	U *	4.6	0.32	ug/L		10/27/16 16:31	10/31/16 19:57	1
4-Methylphenol	9.1	U	9.1	0.33	ug/L		10/27/16 16:31	10/31/16 19:57	1
4-Nitroaniline	9.1	U	9.1	0.23	ug/L		10/27/16 16:31	10/31/16 19:57	1
4-Nitrophenol	9.1	U	9.1	1.4	ug/L		10/27/16 16:31	10/31/16 19:57	1
Acenaphthene	4.6	U	4.6	0.37	ug/L		10/27/16 16:31	10/31/16 19:57	1
Acenaphthylene	4.6	U	4.6	0.35	ug/L		10/27/16 16:31	10/31/16 19:57	1
Anthracene	4.6	U	4.6	0.26	ug/L		10/27/16 16:31	10/31/16 19:57	1
Benzaldehyde	4.6	U	4.6	0.24	ug/L		10/27/16 16:31	10/31/16 19:57	1
Benzo[a]anthracene	4.6	U	4.6	0.33	ug/L		10/27/16 16:31	10/31/16 19:57	1
Benzo[a]pyrene	4.6	U	4.6	0.43	ug/L		10/27/16 16:31	10/31/16 19:57	1
Benzo[b]fluoranthene	4.6	U	4.6	0.31	ug/L		10/27/16 16:31	10/31/16 19:57	1
Benzo[g,h,i]perylene	4.6	U	4.6	0.32	ug/L		10/27/16 16:31	10/31/16 19:57	1
Benzo[k]fluoranthene	4.6	U	4.6	0.67	ug/L		10/27/16 16:31	10/31/16 19:57	1
bis (2-chloroisopropyl) ether	4.6	U	4.6	0.48	ug/L		10/27/16 16:31	10/31/16 19:57	1
Bis(2-chloroethoxy)methane	4.6	U	4.6	0.32	ug/L		10/27/16 16:31	10/31/16 19:57	1
Bis(2-chloroethyl)ether	4.6	U	4.6	0.37	ug/L		10/27/16 16:31	10/31/16 19:57	1
Bis(2-ethylhexyl) phthalate	4.6	U	4.6	2.0	ug/L		10/27/16 16:31	10/31/16 19:57	1
Butyl benzyl phthalate	4.6	U	4.6	0.91	ug/L		10/27/16 16:31	10/31/16 19:57	1
Carbazole	4.6	U	4.6	0.27	ug/L		10/27/16 16:31	10/31/16 19:57	1
Chrysene	4.6	U	4.6	0.30	ug/L		10/27/16 16:31	10/31/16 19:57	1
Dibenz(a,h)anthracene	4.6	U	4.6	0.38	ug/L		10/27/16 16:31	10/31/16 19:57	1
Dibenzofuran	9.1	U	9.1	0.47	ug/L		10/27/16 16:31	10/31/16 19:57	1
Diethyl phthalate	4.6	U	4.6	0.20	ug/L		10/27/16 16:31	10/31/16 19:57	1
Dimethyl phthalate	4.6	U	4.6	0.33	ug/L		10/27/16 16:31	10/31/16 19:57	1
Di-n-butyl phthalate	4.6	U	4.6	0.28	ug/L		10/27/16 16:31	10/31/16 19:57	1
Di-n-octyl phthalate	4.6	U	4.6	0.43	ug/L		10/27/16 16:31	10/31/16 19:57	1
Fluoranthene	4.6	U	4.6	0.37	ug/L		10/27/16 16:31	10/31/16 19:57	1
Fluorene	4.6	U	4.6	0.33	ug/L		10/27/16 16:31	10/31/16 19:57	1
Hexachlorobenzene	4.6	U	4.6	0.47	ug/L		10/27/16 16:31	10/31/16 19:57	1
Hexachlorobutadiene	4.6	U	4.6	0.62	ug/L		10/27/16 16:31	10/31/16 19:57	1
Hexachlorocyclopentadiene	4.6	U	4.6	0.54	ug/L		10/27/16 16:31	10/31/16 19:57	1
Hexachloroethane	4.6	U	4.6	0.54	ug/L		10/27/16 16:31	10/31/16 19:57	1
Indeno[1,2,3-cd]pyrene	4.6	U	4.6	0.43	ug/L		10/27/16 16:31	10/31/16 19:57	1
Isophorone	4.6	U	4.6	0.39	ug/L		10/27/16 16:31	10/31/16 19:57	1

Client: GHD Services Inc.
Project/Site: Sterling Site 3

TestAmerica Job ID: 480-108247-1

Client Sample ID: WG-007830-102016-BP-003
Date Collected: 10/20/16 10:00
Date Received: 10/22/16 09:00

Lab Sample ID: 480-108247-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	4.6	U	4.6	0.69	ug/L		10/27/16 16:31	10/31/16 19:57	1
Nitrobenzene	4.6	U	4.6	0.26	ug/L		10/27/16 16:31	10/31/16 19:57	1
N-Nitrosodi-n-propylamine	4.6	U	4.6	0.49	ug/L		10/27/16 16:31	10/31/16 19:57	1
N-Nitrosodiphenylamine	4.6	U	4.6	0.47	ug/L		10/27/16 16:31	10/31/16 19:57	1
Pentachlorophenol	9.1	U	9.1	2.0	ug/L		10/27/16 16:31	10/31/16 19:57	1
Phenanthrene	4.6	U	4.6	0.40	ug/L		10/27/16 16:31	10/31/16 19:57	1
Phenol	4.6	U	4.6	0.36	ug/L		10/27/16 16:31	10/31/16 19:57	1
Pyrene	4.6	U	4.6	0.31	ug/L		10/27/16 16:31	10/31/16 19:57	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Triethylamine	*3.2*	*T J N*	*ug/L*		*3.35*	*121-44-8*	*10/27/16 16:31*	*10/31/16 19:57*	*1*
Chloroiodomethane	*1.9*	*T J N*	*ug/L*		*3.89*	*593-71-5*	*10/27/16 16:31*	*10/31/16 19:57*	*1*
Unknown	*45*	*T J*	*ug/L*		*5.09*		*10/27/16 16:31*	*10/31/16 19:57*	*1*
Cyclotetrasiloxane, octamethyl-	*1.7*	*T J N*	*ug/L*		*6.17*	*556-67-2*	*10/27/16 16:31*	*10/31/16 19:57*	*1*
Unknown	*1.7*	*T J*	*ug/L*		*7.12*		*10/27/16 16:31*	*10/31/16 19:57*	*1*
Unknown	*2.7*	*T J*	*ug/L*		*8.01*		*10/27/16 16:31*	*10/31/16 19:57*	*1*
Talbutal	*9.1*	*T J N*	*ug/L*		*10.01*	*115-44-6*	*10/27/16 16:31*	*10/31/16 19:57*	*1*
Unknown	*2.9*	*T J*	*ug/L*		*10.19*		*10/27/16 16:31*	*10/31/16 19:57*	*1*
Phenobarbital di-methyl derivative	*3.5*	*T J N*	*ug/L*		*10.52*	*1000137-13-1*	*10/27/16 16:31*	*10/31/16 19:57*	*1*
Hexobarbital	*4.2*	*T J N*	*ug/L*		*10.60*	*56-29-1*	*10/27/16 16:31*	*10/31/16 19:57*	*1*
Mephobarbital	*18*	*T J N*	*ug/L*		*10.75*	*115-38-8*	*10/27/16 16:31*	*10/31/16 19:57*	*1*
Phenobarbital	*17*	*T J N*	*ug/L*		*10.99*	*50-06-6*	*10/27/16 16:31*	*10/31/16 19:57*	*1*
Unknown	*5.9*	*T J*	*ug/L*		*11.02*		*10/27/16 16:31*	*10/31/16 19:57*	*1*
Unknown	*1.8*	*T J*	*ug/L*		*12.61*		*10/27/16 16:31*	*10/31/16 19:57*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*89*		*52 - 132*	*10/27/16 16:31*	*10/31/16 19:57*	*1*
2-Fluorobiphenyl	*86*		*48 - 120*	*10/27/16 16:31*	*10/31/16 19:57*	*1*
2-Fluorophenol (Surr)	*66*		*20 - 120*	*10/27/16 16:31*	*10/31/16 19:57*	*1*
Nitrobenzene-d5 (Surr)	*73*		*46 - 120*	*10/27/16 16:31*	*10/31/16 19:57*	*1*
Phenol-d5 (Surr)	*50*		*16 - 120*	*10/27/16 16:31*	*10/31/16 19:57*	*1*
p-Terphenyl-d14 (Surr)	*75*		*67 - 150*	*10/27/16 16:31*	*10/31/16 19:57*	*1*

Client Sample ID: WG-007830-102016-BP-004

Lab Sample ID: 480-108247-4

Date Collected: 10/20/16 10:30

Matrix: Water

Date Received: 10/22/16 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	100	U	100	16	ug/L			10/25/16 02:07	20
1,1,2,2-Tetrachloroethane	100	U	100	4.2	ug/L			10/25/16 02:07	20
1,1,2-Trichloroethane	100	U	100	4.6	ug/L			10/25/16 02:07	20
1,1-Dichloroethane	100	U	100	7.6	ug/L			10/25/16 02:07	20
1,1-Dichloroethene	100	U	100	5.8	ug/L			10/25/16 02:07	20
1,2-Dichloroethane	100	U	100	4.2	ug/L			10/25/16 02:07	20
1,2-Dichloropropane	100	U	100	14	ug/L			10/25/16 02:07	20
2-Butanone (MEK)	200	U	200	26	ug/L			10/25/16 02:07	20
2-Hexanone	200	U	200	25	ug/L			10/25/16 02:07	20
2-Methylthiophene	200	U	200	8.8	ug/L			10/25/16 02:07	20
4-Methyl-2-pentanone (MIBK)	200	U	200	42	ug/L			10/25/16 02:07	20
Acetone	200	U	200	60	ug/L			10/25/16 02:07	20
Benzene	**20**		20	8.2	ug/L			10/25/16 02:07	20
Bromoform	100	U	100	5.2	ug/L			10/25/16 02:07	20
Bromomethane	200	U	200	14	ug/L			10/25/16 02:07	20
Carbon disulfide	100	U	100	3.8	ug/L			10/25/16 02:07	20
Carbon tetrachloride	100	U	100	5.4	ug/L			10/25/16 02:07	20
Chlorobenzene	100	U	100	15	ug/L			10/25/16 02:07	20
Dibromochloromethane	100	U	100	6.4	ug/L			10/25/16 02:07	20
Chloroethane	200	U	200	6.4	ug/L			10/25/16 02:07	20
Chloroform	100	U	100	6.8	ug/L			10/25/16 02:07	20
Chloromethane	200	U	200	7.0	ug/L			10/25/16 02:07	20
cis-1,2-Dichloroethene	100	U	100	16	ug/L			10/25/16 02:07	20
Bromodichloromethane	100	U	100	7.8	ug/L			10/25/16 02:07	20
Ethyl ether	**910**	**F1**	200	14	ug/L			10/25/16 02:07	20
Ethylbenzene	100	U	100	15	ug/L			10/25/16 02:07	20
Methylene Chloride	100	U	100	8.8	ug/L			10/25/16 02:07	20
m&p-Xylene	100	U	100	13	ug/L			10/25/16 02:07	20
o-Xylene	100	U	100	15	ug/L			10/25/16 02:07	20
Tetrachloroethene	100	U F1	100	7.2	ug/L			10/25/16 02:07	20
Toluene	100	U	100	10	ug/L			10/25/16 02:07	20
trans-1,2-Dichloroethene	100	U	100	18	ug/L			10/25/16 02:07	20
trans-1,3-Dichloropropene	100	U	100	7.4	ug/L			10/25/16 02:07	20
Trichloroethene	100	U	100	9.2	ug/L			10/25/16 02:07	20
Vinyl chloride	200	U	200	18	ug/L			10/25/16 02:07	20
cis-1,3-Dichloropropene	100	U	100	7.2	ug/L			10/25/16 02:07	20
Styrene	100	U	100	15	ug/L			10/25/16 02:07	20
3-Methylthiophene	200	U	200	11	ug/L			10/25/16 02:07	20

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*10/25/16 02:07*	*20*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*		*10/25/16 02:07*	*20*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*10/25/16 02:07*	*20*
Dibromofluoromethane (Surr)	*108*		*75 - 123*		*10/25/16 02:07*	*20*
Toluene-d8 (Surr)	*99*		*80 - 120*		*10/25/16 02:07*	*20*

Client: GHD Services Inc.
Project/Site: Sterling Site 3

TestAmerica Job ID: 480-108247-1

Client Sample ID: WG-007830-102016-BP-004
Date Collected: 10/20/16 10:30
Date Received: 10/22/16 09:00

Lab Sample ID: 480-108247-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	9.7	U	9.7	0.43	ug/L		10/24/16 07:42	10/25/16 20:00	1
1,2-Dichlorobenzene	9.7	U	9.7	0.39	ug/L		10/24/16 07:42	10/25/16 20:00	1
1,3-Dichlorobenzene	9.7	U	9.7	0.46	ug/L		10/24/16 07:42	10/25/16 20:00	1
1,4-Dichlorobenzene	9.7	U	9.7	0.44	ug/L		10/24/16 07:42	10/25/16 20:00	1
2,4,5-Trichlorophenol	4.8	U	4.8	0.46	ug/L		10/24/16 07:42	10/25/16 20:00	1
2,4,6-Trichlorophenol	4.8	U	4.8	0.59	ug/L		10/24/16 07:42	10/25/16 20:00	1
2,4-Dichlorophenol	4.8	U	4.8	0.49	ug/L		10/24/16 07:42	10/25/16 20:00	1
2,4-Dimethylphenol	4.8	U	4.8	0.48	ug/L		10/24/16 07:42	10/25/16 20:00	1
2,4-Dinitrophenol	9.7	U	9.7	2.1	ug/L		10/24/16 07:42	10/25/16 20:00	1
2,4-Dinitrotoluene	4.8	U	4.8	0.43	ug/L		10/24/16 07:42	10/25/16 20:00	1
2,6-Dinitrotoluene	4.8	U	4.8	0.39	ug/L		10/24/16 07:42	10/25/16 20:00	1
2-Chloronaphthalene	4.8	U	4.8	0.44	ug/L		10/24/16 07:42	10/25/16 20:00	1
2-Chlorophenol	4.8	U	4.8	0.51	ug/L		10/24/16 07:42	10/25/16 20:00	1
2-Methylnaphthalene	4.8	U	4.8	0.58	ug/L		10/24/16 07:42	10/25/16 20:00	1
2-Methylphenol	4.8	U	4.8	0.39	ug/L		10/24/16 07:42	10/25/16 20:00	1
2-Nitroaniline	9.7	U	9.7	0.41	ug/L		10/24/16 07:42	10/25/16 20:00	1
2-Nitrophenol	4.8	U	4.8	0.46	ug/L		10/24/16 07:42	10/25/16 20:00	1
3,3'-Dichlorobenzidine	4.8	U	4.8	0.39	ug/L		10/24/16 07:42	10/25/16 20:00	1
3-Nitroaniline	9.7	U	9.7	0.46	ug/L		10/24/16 07:42	10/25/16 20:00	1
4,6-Dinitro-2-methylphenol	9.7	U	9.7	2.1	ug/L		10/24/16 07:42	10/25/16 20:00	1
4-Bromophenyl phenyl ether	4.8	U	4.8	0.44	ug/L		10/24/16 07:42	10/25/16 20:00	1
4-Chloro-3-methylphenol	4.8	U	4.8	0.44	ug/L		10/24/16 07:42	10/25/16 20:00	1
4-Chloroaniline	4.8	U	4.8	0.57	ug/L		10/24/16 07:42	10/25/16 20:00	1
4-Chlorophenyl phenyl ether	4.8	U	4.8	0.34	ug/L		10/24/16 07:42	10/25/16 20:00	1
4-Methylphenol	9.7	U	9.7	0.35	ug/L		10/24/16 07:42	10/25/16 20:00	1
4-Nitroaniline	9.7	U	9.7	0.24	ug/L		10/24/16 07:42	10/25/16 20:00	1
4-Nitrophenol	9.7	U	9.7	1.5	ug/L		10/24/16 07:42	10/25/16 20:00	1
Acenaphthene	4.8	U	4.8	0.40	ug/L		10/24/16 07:42	10/25/16 20:00	1
Acenaphthylene	4.8	U	4.8	0.37	ug/L		10/24/16 07:42	10/25/16 20:00	1
Anthracene	4.8	U	4.8	0.27	ug/L		10/24/16 07:42	10/25/16 20:00	1
Benzaldehyde	4.8	U	4.8	0.26	ug/L		10/24/16 07:42	10/25/16 20:00	1
Benzo[a]anthracene	4.8	U	4.8	0.35	ug/L		10/24/16 07:42	10/25/16 20:00	1
Benzo[a]pyrene	4.8	U	4.8	0.45	ug/L		10/24/16 07:42	10/25/16 20:00	1
Benzo[b]fluoranthene	4.8	U	4.8	0.33	ug/L		10/24/16 07:42	10/25/16 20:00	1
Benzo[g,h,i]perylene	4.8	U	4.8	0.34	ug/L		10/24/16 07:42	10/25/16 20:00	1
Benzo[k]fluoranthene	4.8	U	4.8	0.71	ug/L		10/24/16 07:42	10/25/16 20:00	1
bis (2-chloroisopropyl) ether	4.8	U	4.8	0.50	ug/L		10/24/16 07:42	10/25/16 20:00	1
Bis(2-chloroethoxy)methane	4.8	U	4.8	0.34	ug/L		10/24/16 07:42	10/25/16 20:00	1
Bis(2-chloroethyl)ether	4.8	U	4.8	0.39	ug/L		10/24/16 07:42	10/25/16 20:00	1
Bis(2-ethylhexyl) phthalate	**3.6**	**J B**	4.8	2.1	ug/L		10/24/16 07:42	10/25/16 20:00	1
Butyl benzyl phthalate	4.8	U	4.8	0.97	ug/L		10/24/16 07:42	10/25/16 20:00	1
Carbazole	4.8	U	4.8	0.29	ug/L		10/24/16 07:42	10/25/16 20:00	1
Chrysene	4.8	U	4.8	0.32	ug/L		10/24/16 07:42	10/25/16 20:00	1
Dibenz(a,h)anthracene	4.8	U	4.8	0.41	ug/L		10/24/16 07:42	10/25/16 20:00	1
Dibenzofuran	9.7	U	9.7	0.49	ug/L		10/24/16 07:42	10/25/16 20:00	1
Diethyl phthalate	4.8	U	4.8	0.21	ug/L		10/24/16 07:42	10/25/16 20:00	1
Dimethyl phthalate	4.8	U	4.8	0.35	ug/L		10/24/16 07:42	10/25/16 20:00	1
Di-n-butyl phthalate	4.8	U	4.8	0.30	ug/L		10/24/16 07:42	10/25/16 20:00	1
Di-n-octyl phthalate	4.8	U	4.8	0.45	ug/L		10/24/16 07:42	10/25/16 20:00	1

Client Sample ID: WG-007830-102016-BP-004
Date Collected: 10/20/16 10:30
Date Received: 10/22/16 09:00

Lab Sample ID: 480-108247-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	4.8	U	4.8	0.39	ug/L		10/24/16 07:42	10/25/16 20:00	1
Fluorene	4.8	U	4.8	0.35	ug/L		10/24/16 07:42	10/25/16 20:00	1
Hexachlorobenzene	4.8	U	4.8	0.49	ug/L		10/24/16 07:42	10/25/16 20:00	1
Hexachlorobutadiene	4.8	U	4.8	0.66	ug/L		10/24/16 07:42	10/25/16 20:00	1
Hexachlorocyclopentadiene	4.8	U	4.8	0.57	ug/L		10/24/16 07:42	10/25/16 20:00	1
Hexachloroethane	4.8	U	4.8	0.57	ug/L		10/24/16 07:42	10/25/16 20:00	1
Indeno[1,2,3-cd]pyrene	4.8	U	4.8	0.45	ug/L		10/24/16 07:42	10/25/16 20:00	1
Isophorone	4.8	U	4.8	0.42	ug/L		10/24/16 07:42	10/25/16 20:00	1
Naphthalene	4.8	U	4.8	0.73	ug/L		10/24/16 07:42	10/25/16 20:00	1
Nitrobenzene	4.8	U	4.8	0.28	ug/L		10/24/16 07:42	10/25/16 20:00	1
N-Nitrosodi-n-propylamine	4.8	U	4.8	0.52	ug/L		10/24/16 07:42	10/25/16 20:00	1
N-Nitrosodiphenylamine	4.8	U	4.8	0.49	ug/L		10/24/16 07:42	10/25/16 20:00	1
Pentachlorophenol	9.7	U	9.7	2.1	ug/L		10/24/16 07:42	10/25/16 20:00	1
Phenanthrene	4.8	U	4.8	0.43	ug/L		10/24/16 07:42	10/25/16 20:00	1
Phenol	4.8	U	4.8	0.38	ug/L		10/24/16 07:42	10/25/16 20:00	1
Pyrene	4.8	U	4.8	0.33	ug/L		10/24/16 07:42	10/25/16 20:00	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Diisopropylamine	*25*	*T J N*	*ug/L*		*3.38*	*108-18-9*	*10/24/16 07:42*	*10/25/16 20:00*	*1*
Unknown	*25*	*T J*	*ug/L*		*5.11*		*10/24/16 07:42*	*10/25/16 20:00*	*1*
Unknown	*2.2*	*T J*	*ug/L*		*6.27*		*10/24/16 07:42*	*10/25/16 20:00*	*1*
Cyclopentasiloxane, decamethyl-	*4.0*	*T J N*	*ug/L*		*7.15*	*541-02-6*	*10/24/16 07:42*	*10/25/16 20:00*	*1*
Unknown	*2.3*	*T J*	*ug/L*		*8.61*		*10/24/16 07:42*	*10/25/16 20:00*	*1*
Unknown	*3.7*	*T J*	*ug/L*		*8.67*		*10/24/16 07:42*	*10/25/16 20:00*	*1*
Unknown	*67*	*T J*	*ug/L*		*9.10*		*10/24/16 07:42*	*10/25/16 20:00*	*1*
Talbutal	*19*	*T J N*	*ug/L*		*10.04*	*115-44-6*	*10/24/16 07:42*	*10/25/16 20:00*	*1*
Unknown	*2.9*	*T J*	*ug/L*		*10.07*		*10/24/16 07:42*	*10/25/16 20:00*	*1*
2,4,6(1H,3H,5H)-Pyrimidinetrione, 5-ethyl-1,3-dimethyl-5-phe	*3.4*	*T J N*	*ug/L*		*10.55*	*730-66-5*	*10/24/16 07:42*	*10/25/16 20:00*	*1*
Hexobarbital	*9.3*	*T J N*	*ug/L*		*10.62*	*56-29-1*	*10/24/16 07:42*	*10/25/16 20:00*	*1*
Unknown	*2.8*	*T J*	*ug/L*		*10.66*		*10/24/16 07:42*	*10/25/16 20:00*	*1*
Mephobarbital	*19*	*T J N*	*ug/L*		*10.77*	*115-38-8*	*10/24/16 07:42*	*10/25/16 20:00*	*1*
Aminopyrine	*2.7*	*T J N*	*ug/L*		*10.84*	*58-15-1*	*10/24/16 07:42*	*10/25/16 20:00*	*1*
Phenobarbital	*26*	*T J N*	*ug/L*		*11.01*	*50-06-6*	*10/24/16 07:42*	*10/25/16 20:00*	*1*
Unknown	*15*	*T J*	*ug/L*		*11.05*		*10/24/16 07:42*	*10/25/16 20:00*	*1*
Unknown	*3.2*	*T J*	*ug/L*		*11.08*		*10/24/16 07:42*	*10/25/16 20:00*	*1*
3H-Pyrazol-3-one, 1,2-dihydro-1,5-dimethyl-4-(methylamino)-2	*35*	*T J N*	*ug/L*		*12.42*	*519-98-2*	*10/24/16 07:42*	*10/25/16 20:00*	*1*
Unknown	*3.7*	*T J*	*ug/L*		*12.48*		*10/24/16 07:42*	*10/25/16 20:00*	*1*
Unknown	*3.1*	*T J*	*ug/L*		*13.67*		*10/24/16 07:42*	*10/25/16 20:00*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*91*		*52 - 132*	*10/24/16 07:42*	*10/25/16 20:00*	*1*
2-Fluorobiphenyl	*88*		*48 - 120*	*10/24/16 07:42*	*10/25/16 20:00*	*1*
2-Fluorophenol (Surr)	*69*		*20 - 120*	*10/24/16 07:42*	*10/25/16 20:00*	*1*
Nitrobenzene-d5 (Surr)	*81*		*46 - 120*	*10/24/16 07:42*	*10/25/16 20:00*	*1*
Phenol-d5 (Surr)	*51*		*16 - 120*	*10/24/16 07:42*	*10/25/16 20:00*	*1*
p-Terphenyl-d14 (Surr)	*75*		*67 - 150*	*10/24/16 07:42*	*10/25/16 20:00*	*1*

Client: GHD Services Inc.
Project/Site: Sterling Site 3

TestAmerica Job ID: 480-108247-1

Client Sample ID: WG-007830-102016-BP-005
Date Collected: 10/20/16 12:00
Date Received: 10/22/16 09:00

Lab Sample ID: 480-108247-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.0	U	5.0	0.82	ug/L			10/25/16 02:34	1
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.21	ug/L			10/25/16 02:34	1
1,1,2-Trichloroethane	5.0	U	5.0	0.23	ug/L			10/25/16 02:34	1
1,1-Dichloroethane	5.0	U	5.0	0.38	ug/L			10/25/16 02:34	1
1,1-Dichloroethene	5.0	U	5.0	0.29	ug/L			10/25/16 02:34	1
1,2-Dichloroethane	5.0	U	5.0	0.21	ug/L			10/25/16 02:34	1
1,2-Dichloropropane	5.0	U	5.0	0.72	ug/L			10/25/16 02:34	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			10/25/16 02:34	1
2-Hexanone	10	U	10	1.2	ug/L			10/25/16 02:34	1
2-Methylthiophene	10	U	10	0.44	ug/L			10/25/16 02:34	1
4-Methyl-2-pentanone (MIBK)	10	U	10	2.1	ug/L			10/25/16 02:34	1
Acetone	10	U	10	3.0	ug/L			10/25/16 02:34	1
Benzene	1.0	U	1.0	0.41	ug/L			10/25/16 02:34	1
Bromoform	5.0	U	5.0	0.26	ug/L			10/25/16 02:34	1
Bromomethane	10	U	10	0.69	ug/L			10/25/16 02:34	1
Carbon disulfide	5.0	U	5.0	0.19	ug/L			10/25/16 02:34	1
Carbon tetrachloride	5.0	U	5.0	0.27	ug/L			10/25/16 02:34	1
Chlorobenzene	5.0	U	5.0	0.75	ug/L			10/25/16 02:34	1
Dibromochloromethane	5.0	U	5.0	0.32	ug/L			10/25/16 02:34	1
Chloroethane	10	U	10	0.32	ug/L			10/25/16 02:34	1
Chloroform	5.0	U	5.0	0.34	ug/L			10/25/16 02:34	1
Chloromethane	10	U	10	0.35	ug/L			10/25/16 02:34	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.81	ug/L			10/25/16 02:34	1
Bromodichloromethane	5.0	U	5.0	0.39	ug/L			10/25/16 02:34	1
Ethyl ether	**32**		10	0.72	ug/L			10/25/16 02:34	1
Ethylbenzene	5.0	U	5.0	0.74	ug/L			10/25/16 02:34	1
Methylene Chloride	5.0	U	5.0	0.44	ug/L			10/25/16 02:34	1
m&p-Xylene	5.0	U	5.0	0.66	ug/L			10/25/16 02:34	1
o-Xylene	5.0	U	5.0	0.76	ug/L			10/25/16 02:34	1
Tetrachloroethene	5.0	U	5.0	0.36	ug/L			10/25/16 02:34	1
Toluene	5.0	U	5.0	0.51	ug/L			10/25/16 02:34	1
trans-1,2-Dichloroethene	5.0	U	5.0	0.90	ug/L			10/25/16 02:34	1
trans-1,3-Dichloropropene	5.0	U	5.0	0.37	ug/L			10/25/16 02:34	1
Trichloroethene	5.0	U	5.0	0.46	ug/L			10/25/16 02:34	1
Vinyl chloride	10	U	10	0.90	ug/L			10/25/16 02:34	1
cis-1,3-Dichloropropene	5.0	U	5.0	0.36	ug/L			10/25/16 02:34	1
Styrene	5.0	U	5.0	0.73	ug/L			10/25/16 02:34	1
3-Methylthiophene	10	U	10	0.53	ug/L			10/25/16 02:34	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*10/25/16 02:34*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 120*		*10/25/16 02:34*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*10/25/16 02:34*	*1*
Dibromofluoromethane (Surr)	*114*		*75 - 123*		*10/25/16 02:34*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/25/16 02:34*	*1*

Client: GHD Services Inc.
Project/Site: Sterling Site 3

TestAmerica Job ID: 480-108247-1

Client Sample ID: WG-007830-102016-BP-005
Date Collected: 10/20/16 12:00
Date Received: 10/22/16 09:00

Lab Sample ID: 480-108247-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	11	U	11	0.50	ug/L		10/24/16 07:42	10/25/16 20:29	1
1,2-Dichlorobenzene	11	U	11	0.46	ug/L		10/24/16 07:42	10/25/16 20:29	1
1,3-Dichlorobenzene	11	U	11	0.55	ug/L		10/24/16 07:42	10/25/16 20:29	1
1,4-Dichlorobenzene	11	U	11	0.53	ug/L		10/24/16 07:42	10/25/16 20:29	1
2,4,5-Trichlorophenol	5.7	U	5.7	0.55	ug/L		10/24/16 07:42	10/25/16 20:29	1
2,4,6-Trichlorophenol	5.7	U	5.7	0.70	ug/L		10/24/16 07:42	10/25/16 20:29	1
2,4-Dichlorophenol	5.7	U	5.7	0.58	ug/L		10/24/16 07:42	10/25/16 20:29	1
2,4-Dimethylphenol	5.7	U	5.7	0.57	ug/L		10/24/16 07:42	10/25/16 20:29	1
2,4-Dinitrophenol	11	U	11	2.5	ug/L		10/24/16 07:42	10/25/16 20:29	1
2,4-Dinitrotoluene	5.7	U	5.7	0.51	ug/L		10/24/16 07:42	10/25/16 20:29	1
2,6-Dinitrotoluene	5.7	U	5.7	0.46	ug/L		10/24/16 07:42	10/25/16 20:29	1
2-Chloronaphthalene	5.7	U	5.7	0.53	ug/L		10/24/16 07:42	10/25/16 20:29	1
2-Chlorophenol	5.7	U	5.7	0.61	ug/L		10/24/16 07:42	10/25/16 20:29	1
2-Methylnaphthalene	5.7	U	5.7	0.69	ug/L		10/24/16 07:42	10/25/16 20:29	1
2-Methylphenol	5.7	U	5.7	0.46	ug/L		10/24/16 07:42	10/25/16 20:29	1
2-Nitroaniline	11	U	11	0.48	ug/L		10/24/16 07:42	10/25/16 20:29	1
2-Nitrophenol	5.7	U	5.7	0.55	ug/L		10/24/16 07:42	10/25/16 20:29	1
3,3'-Dichlorobenzidine	5.7	U	5.7	0.46	ug/L		10/24/16 07:42	10/25/16 20:29	1
3-Nitroaniline	11	U	11	0.55	ug/L		10/24/16 07:42	10/25/16 20:29	1
4,6-Dinitro-2-methylphenol	11	U	11	2.5	ug/L		10/24/16 07:42	10/25/16 20:29	1
4-Bromophenyl phenyl ether	5.7	U	5.7	0.51	ug/L		10/24/16 07:42	10/25/16 20:29	1
4-Chloro-3-methylphenol	5.7	U	5.7	0.51	ug/L		10/24/16 07:42	10/25/16 20:29	1
4-Chloroaniline	5.7	U	5.7	0.67	ug/L		10/24/16 07:42	10/25/16 20:29	1
4-Chlorophenyl phenyl ether	5.7	U	5.7	0.40	ug/L		10/24/16 07:42	10/25/16 20:29	1
4-Methylphenol	11	U	11	0.41	ug/L		10/24/16 07:42	10/25/16 20:29	1
4-Nitroaniline	11	U	11	0.29	ug/L		10/24/16 07:42	10/25/16 20:29	1
4-Nitrophenol	11	U	11	1.7	ug/L		10/24/16 07:42	10/25/16 20:29	1
Acenaphthene	5.7	U	5.7	0.47	ug/L		10/24/16 07:42	10/25/16 20:29	1
Acenaphthylene	5.7	U	5.7	0.43	ug/L		10/24/16 07:42	10/25/16 20:29	1
Anthracene	5.7	U	5.7	0.32	ug/L		10/24/16 07:42	10/25/16 20:29	1
Benzaldehyde	5.7	U	5.7	0.30	ug/L		10/24/16 07:42	10/25/16 20:29	1
Benzo[a]anthracene	5.7	U	5.7	0.41	ug/L		10/24/16 07:42	10/25/16 20:29	1
Benzo[a]pyrene	5.7	U	5.7	0.54	ug/L		10/24/16 07:42	10/25/16 20:29	1
Benzo[b]fluoranthene	5.7	U	5.7	0.39	ug/L		10/24/16 07:42	10/25/16 20:29	1
Benzo[g,h,i]perylene	5.7	U	5.7	0.40	ug/L		10/24/16 07:42	10/25/16 20:29	1
Benzo[k]fluoranthene	5.7	U	5.7	0.83	ug/L		10/24/16 07:42	10/25/16 20:29	1
bis (2-chloroisopropyl) ether	5.7	U	5.7	0.59	ug/L		10/24/16 07:42	10/25/16 20:29	1
Bis(2-chloroethoxy)methane	5.7	U	5.7	0.40	ug/L		10/24/16 07:42	10/25/16 20:29	1
Bis(2-chloroethyl)ether	5.7	U	5.7	0.46	ug/L		10/24/16 07:42	10/25/16 20:29	1
Bis(2-ethylhexyl) phthalate	5.7	U	5.7	2.5	ug/L		10/24/16 07:42	10/25/16 20:29	1
Butyl benzyl phthalate	5.7	U	5.7	1.1	ug/L		10/24/16 07:42	10/25/16 20:29	1
Carbazole	5.7	U	5.7	0.34	ug/L		10/24/16 07:42	10/25/16 20:29	1
Chrysene	5.7	U	5.7	0.38	ug/L		10/24/16 07:42	10/25/16 20:29	1
Dibenz(a,h)anthracene	5.7	U	5.7	0.48	ug/L		10/24/16 07:42	10/25/16 20:29	1
Dibenzofuran	11	U	11	0.58	ug/L		10/24/16 07:42	10/25/16 20:29	1
Diethyl phthalate	5.7	U	5.7	0.25	ug/L		10/24/16 07:42	10/25/16 20:29	1
Dimethyl phthalate	5.7	U	5.7	0.41	ug/L		10/24/16 07:42	10/25/16 20:29	1
Di-n-butyl phthalate	5.7	U	5.7	0.35	ug/L		10/24/16 07:42	10/25/16 20:29	1
Di-n-octyl phthalate	5.7	U	5.7	0.54	ug/L		10/24/16 07:42	10/25/16 20:29	1

Client: GHD Services Inc.
Project/Site: Sterling Site 3

TestAmerica Job ID: 480-108247-1

Client Sample ID: WG-007830-102016-BP-005
Date Collected: 10/20/16 12:00
Date Received: 10/22/16 09:00

Lab Sample ID: 480-108247-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	5.7	U	5.7	0.46	ug/L		10/24/16 07:42	10/25/16 20:29	1
Fluorene	5.7	U	5.7	0.41	ug/L		10/24/16 07:42	10/25/16 20:29	1
Hexachlorobenzene	5.7	U	5.7	0.58	ug/L		10/24/16 07:42	10/25/16 20:29	1
Hexachlorobutadiene	5.7	U	5.7	0.78	ug/L		10/24/16 07:42	10/25/16 20:29	1
Hexachlorocyclopentadiene	5.7	U	5.7	0.67	ug/L		10/24/16 07:42	10/25/16 20:29	1
Hexachloroethane	5.7	U	5.7	0.67	ug/L		10/24/16 07:42	10/25/16 20:29	1
Indeno[1,2,3-cd]pyrene	5.7	U	5.7	0.54	ug/L		10/24/16 07:42	10/25/16 20:29	1
Isophorone	5.7	U	5.7	0.49	ug/L		10/24/16 07:42	10/25/16 20:29	1
Naphthalene	5.7	U	5.7	0.87	ug/L		10/24/16 07:42	10/25/16 20:29	1
Nitrobenzene	5.7	U	5.7	0.33	ug/L		10/24/16 07:42	10/25/16 20:29	1
N-Nitrosodi-n-propylamine	5.7	U	5.7	0.62	ug/L		10/24/16 07:42	10/25/16 20:29	1
N-Nitrosodiphenylamine	5.7	U	5.7	0.58	ug/L		10/24/16 07:42	10/25/16 20:29	1
Pentachlorophenol	11	U	11	2.5	ug/L		10/24/16 07:42	10/25/16 20:29	1
Phenanthrene	5.7	U	5.7	0.50	ug/L		10/24/16 07:42	10/25/16 20:29	1
Phenol	5.7	U	5.7	0.45	ug/L		10/24/16 07:42	10/25/16 20:29	1
Pyrene	5.7	U	5.7	0.39	ug/L		10/24/16 07:42	10/25/16 20:29	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*2.2*	*T J*	*ug/L*		*3.32*		*10/24/16 07:42*	*10/25/16 20:29*	*1*
Triethylamine	*4.8*	*T J N*	*ug/L*		*3.37*	*121-44-8*	*10/24/16 07:42*	*10/25/16 20:29*	*1*
Unknown	*34*	*T J*	*ug/L*		*5.11*		*10/24/16 07:42*	*10/25/16 20:29*	*1*
Cyclotetrasiloxane, octamethyl-	*2.9*	*T J N*	*ug/L*		*6.19*	*556-67-2*	*10/24/16 07:42*	*10/25/16 20:29*	*1*
Cyclopentasiloxane, decamethyl-	*4.5*	*T J N*	*ug/L*		*7.15*	*541-02-6*	*10/24/16 07:42*	*10/25/16 20:29*	*1*
Diethyltoluamide	*4.6*	*T J N*	*ug/L*		*9.42*	*134-62-3*	*10/24/16 07:42*	*10/25/16 20:29*	*1*
Talbutal	*2.2*	*T J N*	*ug/L*		*10.02*	*115-44-6*	*10/24/16 07:42*	*10/25/16 20:29*	*1*
Mephobarbital	*10*	*T J N*	*ug/L*		*10.77*	*115-38-8*	*10/24/16 07:42*	*10/25/16 20:29*	*1*
Phenobarbital	*6.2*	*T J N*	*ug/L*		*11.00*	*50-06-6*	*10/24/16 07:42*	*10/25/16 20:29*	*1*
Unknown	*7.0*	*T J*	*ug/L*		*12.63*		*10/24/16 07:42*	*10/25/16 20:29*	*1*
Erucylamide	*2.0*	*T J N*	*ug/L*		*14.26*	*112-84-5*	*10/24/16 07:42*	*10/25/16 20:29*	*1*
Unknown	*5.9*	*T J*	*ug/L*		*14.50*		*10/24/16 07:42*	*10/25/16 20:29*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*87*		*52 - 132*	*10/24/16 07:42*	*10/25/16 20:29*	*1*
2-Fluorobiphenyl	*91*		*48 - 120*	*10/24/16 07:42*	*10/25/16 20:29*	*1*
2-Fluorophenol (Surr)	*73*		*20 - 120*	*10/24/16 07:42*	*10/25/16 20:29*	*1*
Nitrobenzene-d5 (Surr)	*78*		*46 - 120*	*10/24/16 07:42*	*10/25/16 20:29*	*1*
Phenol-d5 (Surr)	*58*		*16 - 120*	*10/24/16 07:42*	*10/25/16 20:29*	*1*
p-Terphenyl-d14 (Surr)	*84*		*67 - 150*	*10/24/16 07:42*	*10/25/16 20:29*	*1*

Client: GHD Services Inc.
Project/Site: Sterling Site 3

TestAmerica Job ID: 480-108247-1

Client Sample ID: WG-007830-102016-BP-006
Date Collected: 10/20/16 13:00
Date Received: 10/22/16 09:00

Lab Sample ID: 480-108247-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	200	U	200	33	ug/L			10/25/16 03:01	40
1,1,2,2-Tetrachloroethane	200	U	200	8.4	ug/L			10/25/16 03:01	40
1,1,2-Trichloroethane	200	U	200	9.2	ug/L			10/25/16 03:01	40
1,1-Dichloroethane	200	U	200	15	ug/L			10/25/16 03:01	40
1,1-Dichloroethene	200	U	200	12	ug/L			10/25/16 03:01	40
1,2-Dichloroethane	200	U	200	8.4	ug/L			10/25/16 03:01	40
1,2-Dichloropropane	200	U	200	29	ug/L			10/25/16 03:01	40
2-Butanone (MEK)	400	U	400	53	ug/L			10/25/16 03:01	40
2-Hexanone	400	U	400	50	ug/L			10/25/16 03:01	40
2-Methylthiophene	400	U	400	18	ug/L			10/25/16 03:01	40
4-Methyl-2-pentanone (MIBK)	400	U	400	84	ug/L			10/25/16 03:01	40
Acetone	400	U	400	120	ug/L			10/25/16 03:01	40
Benzene	40	U	40	16	ug/L			10/25/16 03:01	40
Bromoform	200	U	200	10	ug/L			10/25/16 03:01	40
Bromomethane	400	U	400	28	ug/L			10/25/16 03:01	40
Carbon disulfide	200	U	200	7.6	ug/L			10/25/16 03:01	40
Carbon tetrachloride	200	U	200	11	ug/L			10/25/16 03:01	40
Chlorobenzene	200	U	200	30	ug/L			10/25/16 03:01	40
Dibromochloromethane	200	U	200	13	ug/L			10/25/16 03:01	40
Chloroethane	400	U	400	13	ug/L			10/25/16 03:01	40
Chloroform	200	U	200	14	ug/L			10/25/16 03:01	40
Chloromethane	400	U	400	14	ug/L			10/25/16 03:01	40
cis-1,2-Dichloroethene	200	U	200	32	ug/L			10/25/16 03:01	40
Bromodichloromethane	200	U	200	16	ug/L			10/25/16 03:01	40
Ethyl ether	**2000**		400	29	ug/L			10/25/16 03:01	40
Ethylbenzene	200	U	200	30	ug/L			10/25/16 03:01	40
Methylene Chloride	200	U	200	18	ug/L			10/25/16 03:01	40
m&p-Xylene	200	U	200	26	ug/L			10/25/16 03:01	40
o-Xylene	200	U	200	30	ug/L			10/25/16 03:01	40
Tetrachloroethene	200	U	200	14	ug/L			10/25/16 03:01	40
Toluene	200	U	200	20	ug/L			10/25/16 03:01	40
trans-1,2-Dichloroethene	200	U	200	36	ug/L			10/25/16 03:01	40
trans-1,3-Dichloropropene	200	U	200	15	ug/L			10/25/16 03:01	40
Trichloroethene	200	U	200	18	ug/L			10/25/16 03:01	40
Vinyl chloride	400	U	400	36	ug/L			10/25/16 03:01	40
cis-1,3-Dichloropropene	200	U	200	14	ug/L			10/25/16 03:01	40
Styrene	200	U	200	29	ug/L			10/25/16 03:01	40
3-Methylthiophene	400	U	400	21	ug/L			10/25/16 03:01	40

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*10/25/16 03:01*	*40*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*77 - 120*		*10/25/16 03:01*	*40*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*10/25/16 03:01*	*40*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*10/25/16 03:01*	*40*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/25/16 03:01*	*40*

Client Sample ID: WG-007830-102016-BP-006
Date Collected: 10/20/16 13:00
Date Received: 10/22/16 09:00

Lab Sample ID: 480-108247-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	9.3	U	9.3	0.41	ug/L		10/24/16 07:42	10/25/16 20:58	1
1,2-Dichlorobenzene	9.3	U	9.3	0.37	ug/L		10/24/16 07:42	10/25/16 20:58	1
1,3-Dichlorobenzene	9.3	U	9.3	0.44	ug/L		10/24/16 07:42	10/25/16 20:58	1
1,4-Dichlorobenzene	9.3	U	9.3	0.43	ug/L		10/24/16 07:42	10/25/16 20:58	1
2,4,5-Trichlorophenol	4.6	U	4.6	0.44	ug/L		10/24/16 07:42	10/25/16 20:58	1
2,4,6-Trichlorophenol	4.6	U	4.6	0.56	ug/L		10/24/16 07:42	10/25/16 20:58	1
2,4-Dichlorophenol	4.6	U	4.6	0.47	ug/L		10/24/16 07:42	10/25/16 20:58	1
2,4-Dimethylphenol	4.6	U	4.6	0.46	ug/L		10/24/16 07:42	10/25/16 20:58	1
2,4-Dinitrophenol	9.3	U	9.3	2.1	ug/L		10/24/16 07:42	10/25/16 20:58	1
2,4-Dinitrotoluene	4.6	U	4.6	0.41	ug/L		10/24/16 07:42	10/25/16 20:58	1
2,6-Dinitrotoluene	4.6	U	4.6	0.37	ug/L		10/24/16 07:42	10/25/16 20:58	1
2-Chloronaphthalene	4.6	U	4.6	0.43	ug/L		10/24/16 07:42	10/25/16 20:58	1
2-Chlorophenol	4.6	U	4.6	0.49	ug/L		10/24/16 07:42	10/25/16 20:58	1
2-Methylnaphthalene	4.6	U	4.6	0.56	ug/L		10/24/16 07:42	10/25/16 20:58	1
2-Methylphenol	4.6	U	4.6	0.37	ug/L		10/24/16 07:42	10/25/16 20:58	1
2-Nitroaniline	9.3	U	9.3	0.39	ug/L		10/24/16 07:42	10/25/16 20:58	1
2-Nitrophenol	4.6	U	4.6	0.44	ug/L		10/24/16 07:42	10/25/16 20:58	1
3,3'-Dichlorobenzidine	4.6	U	4.6	0.37	ug/L		10/24/16 07:42	10/25/16 20:58	1
3-Nitroaniline	9.3	U	9.3	0.44	ug/L		10/24/16 07:42	10/25/16 20:58	1
4,6-Dinitro-2-methylphenol	9.3	U	9.3	2.0	ug/L		10/24/16 07:42	10/25/16 20:58	1
4-Bromophenyl phenyl ether	4.6	U	4.6	0.42	ug/L		10/24/16 07:42	10/25/16 20:58	1
4-Chloro-3-methylphenol	4.6	U	4.6	0.42	ug/L		10/24/16 07:42	10/25/16 20:58	1
4-Chloroaniline	4.6	U	4.6	0.55	ug/L		10/24/16 07:42	10/25/16 20:58	1
4-Chlorophenyl phenyl ether	4.6	U	4.6	0.32	ug/L		10/24/16 07:42	10/25/16 20:58	1
4-Methylphenol	9.3	U	9.3	0.33	ug/L		10/24/16 07:42	10/25/16 20:58	1
4-Nitroaniline	9.3	U	9.3	0.23	ug/L		10/24/16 07:42	10/25/16 20:58	1
4-Nitrophenol	9.3	U	9.3	1.4	ug/L		10/24/16 07:42	10/25/16 20:58	1
Acenaphthene	4.6	U	4.6	0.38	ug/L		10/24/16 07:42	10/25/16 20:58	1
Acenaphthylene	4.6	U	4.6	0.35	ug/L		10/24/16 07:42	10/25/16 20:58	1
Anthracene	4.6	U	4.6	0.26	ug/L		10/24/16 07:42	10/25/16 20:58	1
Benzaldehyde	4.6	U	4.6	0.25	ug/L		10/24/16 07:42	10/25/16 20:58	1
Benzo[a]anthracene	4.6	U	4.6	0.33	ug/L		10/24/16 07:42	10/25/16 20:58	1
Benzo[a]pyrene	4.6	U	4.6	0.44	ug/L		10/24/16 07:42	10/25/16 20:58	1
Benzo[b]fluoranthene	4.6	U	4.6	0.31	ug/L		10/24/16 07:42	10/25/16 20:58	1
Benzo[g,h,i]perylene	4.6	U	4.6	0.32	ug/L		10/24/16 07:42	10/25/16 20:58	1
Benzo[k]fluoranthene	4.6	U	4.6	0.68	ug/L		10/24/16 07:42	10/25/16 20:58	1
bis (2-chloroisopropyl) ether	4.6	U	4.6	0.48	ug/L		10/24/16 07:42	10/25/16 20:58	1
Bis(2-chloroethoxy)methane	4.6	U	4.6	0.32	ug/L		10/24/16 07:42	10/25/16 20:58	1
Bis(2-chloroethyl)ether	4.6	U	4.6	0.37	ug/L		10/24/16 07:42	10/25/16 20:58	1
Bis(2-ethylhexyl) phthalate	4.6	U	4.6	2.0	ug/L		10/24/16 07:42	10/25/16 20:58	1
Butyl benzyl phthalate	4.6	U	4.6	0.93	ug/L		10/24/16 07:42	10/25/16 20:58	1
Carbazole	4.6	U	4.6	0.28	ug/L		10/24/16 07:42	10/25/16 20:58	1
Chrysene	4.6	U	4.6	0.31	ug/L		10/24/16 07:42	10/25/16 20:58	1
Dibenz(a,h)anthracene	4.6	U	4.6	0.39	ug/L		10/24/16 07:42	10/25/16 20:58	1
Dibenzofuran	9.3	U	9.3	0.47	ug/L		10/24/16 07:42	10/25/16 20:58	1
Diethyl phthalate	4.6	U	4.6	0.20	ug/L		10/24/16 07:42	10/25/16 20:58	1
Dimethyl phthalate	4.6	U	4.6	0.33	ug/L		10/24/16 07:42	10/25/16 20:58	1
Di-n-butyl phthalate	4.6	U	4.6	0.29	ug/L		10/24/16 07:42	10/25/16 20:58	1
Di-n-octyl phthalate	4.6	U	4.6	0.44	ug/L		10/24/16 07:42	10/25/16 20:58	1

Client: GHD Services Inc.
Project/Site: Sterling Site 3

TestAmerica Job ID: 480-108247-1

Client Sample ID: WG-007830-102016-BP-006 — **Lab Sample ID: 480-108247-6**
Date Collected: 10/20/16 13:00 — **Matrix: Water**
Date Received: 10/22/16 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	4.6	U	4.6	0.37	ug/L		10/24/16 07:42	10/25/16 20:58	1
Fluorene	4.6	U	4.6	0.33	ug/L		10/24/16 07:42	10/25/16 20:58	1
Hexachlorobenzene	4.6	U	4.6	0.47	ug/L		10/24/16 07:42	10/25/16 20:58	1
Hexachlorobutadiene	4.6	U	4.6	0.63	ug/L		10/24/16 07:42	10/25/16 20:58	1
Hexachlorocyclopentadiene	4.6	U	4.6	0.55	ug/L		10/24/16 07:42	10/25/16 20:58	1
Hexachloroethane	4.6	U	4.6	0.55	ug/L		10/24/16 07:42	10/25/16 20:58	1
Indeno[1,2,3-cd]pyrene	4.6	U	4.6	0.44	ug/L		10/24/16 07:42	10/25/16 20:58	1
Isophorone	4.6	U	4.6	0.40	ug/L		10/24/16 07:42	10/25/16 20:58	1
Naphthalene	4.6	U	4.6	0.70	ug/L		10/24/16 07:42	10/25/16 20:58	1
Nitrobenzene	4.6	U	4.6	0.27	ug/L		10/24/16 07:42	10/25/16 20:58	1
N-Nitrosodi-n-propylamine	4.6	U	4.6	0.50	ug/L		10/24/16 07:42	10/25/16 20:58	1
N-Nitrosodiphenylamine	4.6	U	4.6	0.47	ug/L		10/24/16 07:42	10/25/16 20:58	1
Pentachlorophenol	9.3	U	9.3	2.0	ug/L		10/24/16 07:42	10/25/16 20:58	1
Phenanthrene	4.6	U	4.6	0.41	ug/L		10/24/16 07:42	10/25/16 20:58	1
Phenol	4.6	U	4.6	0.36	ug/L		10/24/16 07:42	10/25/16 20:58	1
Pyrene	4.6	U	4.6	0.31	ug/L		10/24/16 07:42	10/25/16 20:58	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Triethylamine	*24*	*T J N*	*ug/L*		*3.39*	*121-44-8*	*10/24/16 07:42*	*10/25/16 20:58*	*1*
Unknown	*24*	*T J*	*ug/L*		*5.12*		*10/24/16 07:42*	*10/25/16 20:58*	*1*
Unknown	*9.1*	*T J*	*ug/L*		*6.70*		*10/24/16 07:42*	*10/25/16 20:58*	*1*
Cyclopentasiloxane, decamethyl-	*5.1*	*T J N*	*ug/L*		*7.15*	*541-02-6*	*10/24/16 07:42*	*10/25/16 20:58*	*1*
Unknown	*4.3*	*T J*	*ug/L*		*8.03*		*10/24/16 07:42*	*10/25/16 20:58*	*1*
Unknown	*13*	*T J*	*ug/L*		*8.61*		*10/24/16 07:42*	*10/25/16 20:58*	*1*
Unknown	*28*	*T J*	*ug/L*		*9.10*		*10/24/16 07:42*	*10/25/16 20:58*	*1*
Unknown	*4.1*	*T J*	*ug/L*		*9.78*		*10/24/16 07:42*	*10/25/16 20:58*	*1*
Talbutal	*51*	*T J N*	*ug/L*		*10.05*	*115-44-6*	*10/24/16 07:42*	*10/25/16 20:58*	*1*
Unknown	*3.3*	*T J*	*ug/L*		*10.08*		*10/24/16 07:42*	*10/25/16 20:58*	*1*
Phenobarbital di-methyl derivative	*17*	*T J N*	*ug/L*		*10.55*	*1000137-13-1*	*10/24/16 07:42*	*10/25/16 20:58*	*1*
Hexobarbital	*26*	*T J N*	*ug/L*		*10.63*	*56-29-1*	*10/24/16 07:42*	*10/25/16 20:58*	*1*
Mephobarbital	*69*	*T J N*	*ug/L*		*10.78*	*115-38-8*	*10/24/16 07:42*	*10/25/16 20:58*	*1*
Unknown	*3.5*	*T J*	*ug/L*		*10.99*		*10/24/16 07:42*	*10/25/16 20:58*	*1*
Phenobarbital	*87*	*T J N*	*ug/L*		*11.04*	*50-06-6*	*10/24/16 07:42*	*10/25/16 20:58*	*1*
Unknown	*52*	*T J*	*ug/L*		*11.07*		*10/24/16 07:42*	*10/25/16 20:58*	*1*
Unknown	*8.2*	*T J*	*ug/L*		*11.10*		*10/24/16 07:42*	*10/25/16 20:58*	*1*
Unknown	*3.3*	*T J*	*ug/L*		*12.16*		*10/24/16 07:42*	*10/25/16 20:58*	*1*
Unknown	*5.2*	*T J*	*ug/L*		*12.49*		*10/24/16 07:42*	*10/25/16 20:58*	*1*
Unknown	*5.3*	*T J*	*ug/L*		*13.67*		*10/24/16 07:42*	*10/25/16 20:58*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*90*		*52 - 132*	*10/24/16 07:42*	*10/25/16 20:58*	*1*
2-Fluorobiphenyl	*89*		*48 - 120*	*10/24/16 07:42*	*10/25/16 20:58*	*1*
2-Fluorophenol (Surr)	*69*		*20 - 120*	*10/24/16 07:42*	*10/25/16 20:58*	*1*
Nitrobenzene-d5 (Surr)	*81*		*46 - 120*	*10/24/16 07:42*	*10/25/16 20:58*	*1*
Phenol-d5 (Surr)	*50*		*16 - 120*	*10/24/16 07:42*	*10/25/16 20:58*	*1*
p-Terphenyl-d14 (Surr)	*73*		*67 - 150*	*10/24/16 07:42*	*10/25/16 20:58*	*1*

Client Sample ID: WG-007830-102016-BP-007
Date Collected: 10/20/16 14:00
Date Received: 10/22/16 09:00

Lab Sample ID: 480-108247-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	40	U	40	6.6	ug/L			10/25/16 03:27	8
1,1,2,2-Tetrachloroethane	40	U	40	1.7	ug/L			10/25/16 03:27	8
1,1,2-Trichloroethane	40	U	40	1.8	ug/L			10/25/16 03:27	8
1,1-Dichloroethane	40	U	40	3.0	ug/L			10/25/16 03:27	8
1,1-Dichloroethene	40	U	40	2.3	ug/L			10/25/16 03:27	8
1,2-Dichloroethane	40	U	40	1.7	ug/L			10/25/16 03:27	8
1,2-Dichloropropane	40	U	40	5.8	ug/L			10/25/16 03:27	8
2-Butanone (MEK)	80	U	80	11	ug/L			10/25/16 03:27	8
2-Hexanone	80	U	80	9.9	ug/L			10/25/16 03:27	8
2-Methylthiophene	80	U	80	3.5	ug/L			10/25/16 03:27	8
4-Methyl-2-pentanone (MIBK)	80	U	80	17	ug/L			10/25/16 03:27	8
Acetone	80	U	80	24	ug/L			10/25/16 03:27	8
Benzene	**13**		8.0	3.3	ug/L			10/25/16 03:27	8
Bromoform	40	U	40	2.1	ug/L			10/25/16 03:27	8
Bromomethane	80	U	80	5.5	ug/L			10/25/16 03:27	8
Carbon disulfide	40	U	40	1.5	ug/L			10/25/16 03:27	8
Carbon tetrachloride	40	U	40	2.2	ug/L			10/25/16 03:27	8
Chlorobenzene	40	U	40	6.0	ug/L			10/25/16 03:27	8
Dibromochloromethane	40	U	40	2.6	ug/L			10/25/16 03:27	8
Chloroethane	80	U	80	2.6	ug/L			10/25/16 03:27	8
Chloroform	40	U	40	2.7	ug/L			10/25/16 03:27	8
Chloromethane	80	U	80	2.8	ug/L			10/25/16 03:27	8
cis-1,2-Dichloroethene	40	U	40	6.5	ug/L			10/25/16 03:27	8
Bromodichloromethane	40	U	40	3.1	ug/L			10/25/16 03:27	8
Ethyl ether	**30**	**J**	80	5.8	ug/L			10/25/16 03:27	8
Ethylbenzene	40	U	40	5.9	ug/L			10/25/16 03:27	8
Methylene Chloride	40	U	40	3.5	ug/L			10/25/16 03:27	8
m&p-Xylene	40	U	40	5.3	ug/L			10/25/16 03:27	8
o-Xylene	40	U	40	6.1	ug/L			10/25/16 03:27	8
Tetrachloroethene	40	U	40	2.9	ug/L			10/25/16 03:27	8
Toluene	40	U	40	4.1	ug/L			10/25/16 03:27	8
trans-1,2-Dichloroethene	40	U	40	7.2	ug/L			10/25/16 03:27	8
trans-1,3-Dichloropropene	40	U	40	3.0	ug/L			10/25/16 03:27	8
Trichloroethene	40	U	40	3.7	ug/L			10/25/16 03:27	8
Vinyl chloride	80	U	80	7.2	ug/L			10/25/16 03:27	8
cis-1,3-Dichloropropene	40	U	40	2.9	ug/L			10/25/16 03:27	8
Styrene	40	U	40	5.8	ug/L			10/25/16 03:27	8
3-Methylthiophene	80	U	80	4.2	ug/L			10/25/16 03:27	8

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*6000*	*T J*	*ug/L*		*4.72*			*10/25/16 03:27*	*8*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*		*10/25/16 03:27*	*8*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*10/25/16 03:27*	*8*
Dibromofluoromethane (Surr)	*110*		*75 - 123*		*10/25/16 03:27*	*8*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/25/16 03:27*	*8*

Client Sample ID: WG-007830-102016-BP-007
Date Collected: 10/20/16 14:00
Date Received: 10/22/16 09:00

Lab Sample ID: 480-108247-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	9.7	U	9.7	0.43	ug/L		10/24/16 07:42	10/26/16 10:45	1
1,2-Dichlorobenzene	9.7	U	9.7	0.39	ug/L		10/24/16 07:42	10/26/16 10:45	1
1,3-Dichlorobenzene	9.7	U	9.7	0.47	ug/L		10/24/16 07:42	10/26/16 10:45	1
1,4-Dichlorobenzene	9.7	U	9.7	0.45	ug/L		10/24/16 07:42	10/26/16 10:45	1
2,4,5-Trichlorophenol	4.9	U	4.9	0.47	ug/L		10/24/16 07:42	10/26/16 10:45	1
2,4,6-Trichlorophenol	4.9	U	4.9	0.59	ug/L		10/24/16 07:42	10/26/16 10:45	1
2,4-Dichlorophenol	4.9	U	4.9	0.50	ug/L		10/24/16 07:42	10/26/16 10:45	1
2,4-Dimethylphenol	4.9	U	4.9	0.49	ug/L		10/24/16 07:42	10/26/16 10:45	1
2,4-Dinitrophenol	9.7	U	9.7	2.2	ug/L		10/24/16 07:42	10/26/16 10:45	1
2,4-Dinitrotoluene	4.9	U	4.9	0.43	ug/L		10/24/16 07:42	10/26/16 10:45	1
2,6-Dinitrotoluene	4.9	U	4.9	0.39	ug/L		10/24/16 07:42	10/26/16 10:45	1
2-Chloronaphthalene	4.9	U	4.9	0.45	ug/L		10/24/16 07:42	10/26/16 10:45	1
2-Chlorophenol	4.9	U	4.9	0.52	ug/L		10/24/16 07:42	10/26/16 10:45	1
2-Methylnaphthalene	4.9	U	4.9	0.58	ug/L		10/24/16 07:42	10/26/16 10:45	1
2-Methylphenol	4.9	U	4.9	0.39	ug/L		10/24/16 07:42	10/26/16 10:45	1
2-Nitroaniline	9.7	U	9.7	0.41	ug/L		10/24/16 07:42	10/26/16 10:45	1
2-Nitrophenol	4.9	U	4.9	0.47	ug/L		10/24/16 07:42	10/26/16 10:45	1
3,3'-Dichlorobenzidine	4.9	U	4.9	0.39	ug/L		10/24/16 07:42	10/26/16 10:45	1
3-Nitroaniline	9.7	U	9.7	0.47	ug/L		10/24/16 07:42	10/26/16 10:45	1
4,6-Dinitro-2-methylphenol	9.7	U	9.7	2.1	ug/L		10/24/16 07:42	10/26/16 10:45	1
4-Bromophenyl phenyl ether	4.9	U	4.9	0.44	ug/L		10/24/16 07:42	10/26/16 10:45	1
4-Chloro-3-methylphenol	4.9	U	4.9	0.44	ug/L		10/24/16 07:42	10/26/16 10:45	1
4-Chloroaniline	4.9	U	4.9	0.57	ug/L		10/24/16 07:42	10/26/16 10:45	1
4-Chlorophenyl phenyl ether	4.9	U	4.9	0.34	ug/L		10/24/16 07:42	10/26/16 10:45	1
4-Methylphenol	9.7	U	9.7	0.35	ug/L		10/24/16 07:42	10/26/16 10:45	1
4-Nitroaniline	9.7	U	9.7	0.24	ug/L		10/24/16 07:42	10/26/16 10:45	1
4-Nitrophenol	9.7	U	9.7	1.5	ug/L		10/24/16 07:42	10/26/16 10:45	1
Acenaphthene	4.9	U	4.9	0.40	ug/L		10/24/16 07:42	10/26/16 10:45	1
Acenaphthylene	4.9	U	4.9	0.37	ug/L		10/24/16 07:42	10/26/16 10:45	1
Anthracene	4.9	U	4.9	0.27	ug/L		10/24/16 07:42	10/26/16 10:45	1
Benzaldehyde	**0.35**	**J**	4.9	0.26	ug/L		10/24/16 07:42	10/26/16 10:45	1
Benzo[a]anthracene	4.9	U	4.9	0.35	ug/L		10/24/16 07:42	10/26/16 10:45	1
Benzo[a]pyrene	4.9	U	4.9	0.46	ug/L		10/24/16 07:42	10/26/16 10:45	1
Benzo[b]fluoranthene	4.9	U	4.9	0.33	ug/L		10/24/16 07:42	10/26/16 10:45	1
Benzo[g,h,i]perylene	4.9	U	4.9	0.34	ug/L		10/24/16 07:42	10/26/16 10:45	1
Benzo[k]fluoranthene	4.9	U	4.9	0.71	ug/L		10/24/16 07:42	10/26/16 10:45	1
bis (2-chloroisopropyl) ether	4.9	U	4.9	0.51	ug/L		10/24/16 07:42	10/26/16 10:45	1
Bis(2-chloroethoxy)methane	4.9	U	4.9	0.34	ug/L		10/24/16 07:42	10/26/16 10:45	1
Bis(2-chloroethyl)ether	4.9	U	4.9	0.39	ug/L		10/24/16 07:42	10/26/16 10:45	1
Bis(2-ethylhexyl) phthalate	**2.5**	**J B**	4.9	2.1	ug/L		10/24/16 07:42	10/26/16 10:45	1
Butyl benzyl phthalate	4.9	U	4.9	0.97	ug/L		10/24/16 07:42	10/26/16 10:45	1
Carbazole	4.9	U	4.9	0.29	ug/L		10/24/16 07:42	10/26/16 10:45	1
Chrysene	4.9	U	4.9	0.32	ug/L		10/24/16 07:42	10/26/16 10:45	1
Dibenz(a,h)anthracene	4.9	U	4.9	0.41	ug/L		10/24/16 07:42	10/26/16 10:45	1
Dibenzofuran	9.7	U	9.7	0.50	ug/L		10/24/16 07:42	10/26/16 10:45	1
Diethyl phthalate	**2.3**	**J**	4.9	0.21	ug/L		10/24/16 07:42	10/26/16 10:45	1
Dimethyl phthalate	**0.58**	**J**	4.9	0.35	ug/L		10/24/16 07:42	10/26/16 10:45	1
Di-n-butyl phthalate	4.9	U	4.9	0.30	ug/L		10/24/16 07:42	10/26/16 10:45	1
Di-n-octyl phthalate	4.9	U	4.9	0.46	ug/L		10/24/16 07:42	10/26/16 10:45	1

Client Sample ID: WG-007830-102016-BP-007 — **Lab Sample ID: 480-108247-7**
Date Collected: 10/20/16 14:00 — **Matrix: Water**
Date Received: 10/22/16 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	4.9	U	4.9	0.39	ug/L		10/24/16 07:42	10/26/16 10:45	1
Fluorene	4.9	U	4.9	0.35	ug/L		10/24/16 07:42	10/26/16 10:45	1
Hexachlorobenzene	4.9	U	4.9	0.50	ug/L		10/24/16 07:42	10/26/16 10:45	1
Hexachlorobutadiene	4.9	U	4.9	0.66	ug/L		10/24/16 07:42	10/26/16 10:45	1
Hexachlorocyclopentadiene	4.9	U	4.9	0.57	ug/L		10/24/16 07:42	10/26/16 10:45	1
Hexachloroethane	4.9	U	4.9	0.57	ug/L		10/24/16 07:42	10/26/16 10:45	1
Indeno[1,2,3-cd]pyrene	4.9	U	4.9	0.46	ug/L		10/24/16 07:42	10/26/16 10:45	1
Isophorone	4.9	U	4.9	0.42	ug/L		10/24/16 07:42	10/26/16 10:45	1
Naphthalene	4.9	U	4.9	0.74	ug/L		10/24/16 07:42	10/26/16 10:45	1
Nitrobenzene	4.9	U	4.9	0.28	ug/L		10/24/16 07:42	10/26/16 10:45	1
N-Nitrosodi-n-propylamine	4.9	U	4.9	0.53	ug/L		10/24/16 07:42	10/26/16 10:45	1
N-Nitrosodiphenylamine	4.9	U	4.9	0.50	ug/L		10/24/16 07:42	10/26/16 10:45	1
Pentachlorophenol	9.7	U	9.7	2.1	ug/L		10/24/16 07:42	10/26/16 10:45	1
Phenanthrene	4.9	U	4.9	0.43	ug/L		10/24/16 07:42	10/26/16 10:45	1
Phenol	4.9	U	4.9	0.38	ug/L		10/24/16 07:42	10/26/16 10:45	1
Pyrene	4.9	U	4.9	0.33	ug/L		10/24/16 07:42	10/26/16 10:45	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Triethylamine	*12*	*T J N*	*ug/L*		*3.36*	*121-44-8*	*10/24/16 07:42*	*10/26/16 10:45*	*1*
Unknown	*8.7*	*T J*	*ug/L*		*3.39*		*10/24/16 07:42*	*10/26/16 10:45*	*1*
Unknown	*30*	*T J*	*ug/L*		*5.10*		*10/24/16 07:42*	*10/26/16 10:45*	*1*
Butanoic acid, 4-hydroxy-	*5.3*	*T J N*	*ug/L*		*5.71*	*591-81-1*	*10/24/16 07:42*	*10/26/16 10:45*	*1*
Unknown	*7.2*	*T J*	*ug/L*		*5.76*		*10/24/16 07:42*	*10/26/16 10:45*	*1*
Unknown	*15*	*T J*	*ug/L*		*6.80*		*10/24/16 07:42*	*10/26/16 10:45*	*1*
Cyclopentasiloxane, decamethyl-	*3.8*	*T J N*	*ug/L*		*7.13*	*541-02-6*	*10/24/16 07:42*	*10/26/16 10:45*	*1*
Unknown	*2.9*	*T J*	*ug/L*		*8.95*		*10/24/16 07:42*	*10/26/16 10:45*	*1*
Unknown	*9.5*	*T J*	*ug/L*		*9.08*		*10/24/16 07:42*	*10/26/16 10:45*	*1*
Unknown	*7.6*	*T J*	*ug/L*		*10.03*		*10/24/16 07:42*	*10/26/16 10:45*	*1*
Unknown	*2.6*	*T J*	*ug/L*		*10.07*		*10/24/16 07:42*	*10/26/16 10:45*	*1*
Unknown	*4.6*	*T J*	*ug/L*		*10.31*		*10/24/16 07:42*	*10/26/16 10:45*	*1*
2,4,6(1H,3H,5H)-Pyrimidinetrione, 5-ethyl-1,3-dimethyl-5-phe	*6.5*	*T J N*	*ug/L*		*10.54*	*730-66-5*	*10/24/16 07:42*	*10/26/16 10:45*	*1*
Hexobarbital	*12*	*T J N*	*ug/L*		*10.61*	*56-29-1*	*10/24/16 07:42*	*10/26/16 10:45*	*1*
Lidocaine	*32*	*T J N*	*ug/L*		*10.66*	*137-58-6*	*10/24/16 07:42*	*10/26/16 10:45*	*1*
Mephobarbital	*100*	*T J N*	*ug/L*		*10.77*	*115-38-8*	*10/24/16 07:42*	*10/26/16 10:45*	*1*
Phenobarbital	*44*	*T J N*	*ug/L*		*11.02*	*50-06-6*	*10/24/16 07:42*	*10/26/16 10:45*	*1*
Unknown	*12*	*T J*	*ug/L*		*11.05*		*10/24/16 07:42*	*10/26/16 10:45*	*1*
Unknown	*2.6*	*T J*	*ug/L*		*11.90*		*10/24/16 07:42*	*10/26/16 10:45*	*1*
Unknown	*3.4*	*T J*	*ug/L*		*12.64*		*10/24/16 07:42*	*10/26/16 10:45*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*94*		*52 - 132*	*10/24/16 07:42*	*10/26/16 10:45*	*1*
2-Fluorobiphenyl	*91*		*48 - 120*	*10/24/16 07:42*	*10/26/16 10:45*	*1*
2-Fluorophenol (Surr)	*71*		*20 - 120*	*10/24/16 07:42*	*10/26/16 10:45*	*1*
Nitrobenzene-d5 (Surr)	*80*		*46 - 120*	*10/24/16 07:42*	*10/26/16 10:45*	*1*
Phenol-d5 (Surr)	*51*		*16 - 120*	*10/24/16 07:42*	*10/26/16 10:45*	*1*
p-Terphenyl-d14 (Surr)	*80*		*67 - 150*	*10/24/16 07:42*	*10/26/16 10:45*	*1*

Client: GHD Services Inc.
Project/Site: Sterling Site 3

TestAmerica Job ID: 480-108247-1

Client Sample ID: WG-007830-102016-BP-008 — **Lab Sample ID: 480-108247-8**
Date Collected: 10/20/16 15:00 — **Matrix: Water**
Date Received: 10/22/16 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.0	U	5.0	0.82	ug/L			10/25/16 03:54	1
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.21	ug/L			10/25/16 03:54	1
1,1,2-Trichloroethane	5.0	U	5.0	0.23	ug/L			10/25/16 03:54	1
1,1-Dichloroethane	5.0	U	5.0	0.38	ug/L			10/25/16 03:54	1
1,1-Dichloroethene	5.0	U	5.0	0.29	ug/L			10/25/16 03:54	1
1,2-Dichloroethane	5.0	U	5.0	0.21	ug/L			10/25/16 03:54	1
1,2-Dichloropropane	5.0	U	5.0	0.72	ug/L			10/25/16 03:54	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			10/25/16 03:54	1
2-Hexanone	10	U	10	1.2	ug/L			10/25/16 03:54	1
2-Methylthiophene	10	U	10	0.44	ug/L			10/25/16 03:54	1
4-Methyl-2-pentanone (MIBK)	10	U	10	2.1	ug/L			10/25/16 03:54	1
Acetone	10	U	10	3.0	ug/L			10/25/16 03:54	1
Benzene	1.0	U	1.0	0.41	ug/L			10/25/16 03:54	1
Bromoform	5.0	U	5.0	0.26	ug/L			10/25/16 03:54	1
Bromomethane	10	U	10	0.69	ug/L			10/25/16 03:54	1
Carbon disulfide	5.0	U	5.0	0.19	ug/L			10/25/16 03:54	1
Carbon tetrachloride	5.0	U	5.0	0.27	ug/L			10/25/16 03:54	1
Chlorobenzene	5.0	U	5.0	0.75	ug/L			10/25/16 03:54	1
Dibromochloromethane	5.0	U	5.0	0.32	ug/L			10/25/16 03:54	1
Chloroethane	10	U	10	0.32	ug/L			10/25/16 03:54	1
Chloroform	5.0	U	5.0	0.34	ug/L			10/25/16 03:54	1
Chloromethane	10	U	10	0.35	ug/L			10/25/16 03:54	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.81	ug/L			10/25/16 03:54	1
Bromodichloromethane	5.0	U	5.0	0.39	ug/L			10/25/16 03:54	1
Ethyl ether	10	U	10	0.72	ug/L			10/25/16 03:54	1
Ethylbenzene	5.0	U	5.0	0.74	ug/L			10/25/16 03:54	1
Methylene Chloride	5.0	U	5.0	0.44	ug/L			10/25/16 03:54	1
m&p-Xylene	5.0	U	5.0	0.66	ug/L			10/25/16 03:54	1
o-Xylene	5.0	U	5.0	0.76	ug/L			10/25/16 03:54	1
Tetrachloroethene	5.0	U	5.0	0.36	ug/L			10/25/16 03:54	1
Toluene	5.0	U	5.0	0.51	ug/L			10/25/16 03:54	1
trans-1,2-Dichloroethene	5.0	U	5.0	0.90	ug/L			10/25/16 03:54	1
trans-1,3-Dichloropropene	5.0	U	5.0	0.37	ug/L			10/25/16 03:54	1
Trichloroethene	5.0	U	5.0	0.46	ug/L			10/25/16 03:54	1
Vinyl chloride	10	U	10	0.90	ug/L			10/25/16 03:54	1
cis-1,3-Dichloropropene	5.0	U	5.0	0.36	ug/L			10/25/16 03:54	1
Styrene	5.0	U	5.0	0.73	ug/L			10/25/16 03:54	1
3-Methylthiophene	10	U	10	0.53	ug/L			10/25/16 03:54	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Furan, tetrahydro-	*7.9*	*T J N*	*ug/L*		*4.73*	*109-99-9*		*10/25/16 03:54*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*		*10/25/16 03:54*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*10/25/16 03:54*	*1*
Dibromofluoromethane (Surr)	*109*		*75 - 123*		*10/25/16 03:54*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*10/25/16 03:54*	*1*

Client: GHD Services Inc.
Project/Site: Sterling Site 3

TestAmerica Job ID: 480-108247-1

Client Sample ID: WG-007830-102016-BP-008
Date Collected: 10/20/16 15:00
Date Received: 10/22/16 09:00

Lab Sample ID: 480-108247-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	95	U	95	4.2	ug/L		10/24/16 07:42	10/26/16 11:14	10
1,2-Dichlorobenzene	95	U	95	3.8	ug/L		10/24/16 07:42	10/26/16 11:14	10
1,3-Dichlorobenzene	95	U	95	4.6	ug/L		10/24/16 07:42	10/26/16 11:14	10
1,4-Dichlorobenzene	95	U	95	4.4	ug/L		10/24/16 07:42	10/26/16 11:14	10
2,4,5-Trichlorophenol	48	U	48	4.6	ug/L		10/24/16 07:42	10/26/16 11:14	10
2,4,6-Trichlorophenol	48	U	48	5.8	ug/L		10/24/16 07:42	10/26/16 11:14	10
2,4-Dichlorophenol	48	U	48	4.9	ug/L		10/24/16 07:42	10/26/16 11:14	10
2,4-Dimethylphenol	48	U	48	4.8	ug/L		10/24/16 07:42	10/26/16 11:14	10
2,4-Dinitrophenol	95	U	95	21	ug/L		10/24/16 07:42	10/26/16 11:14	10
2,4-Dinitrotoluene	48	U	48	4.3	ug/L		10/24/16 07:42	10/26/16 11:14	10
2,6-Dinitrotoluene	48	U	48	3.8	ug/L		10/24/16 07:42	10/26/16 11:14	10
2-Chloronaphthalene	48	U	48	4.4	ug/L		10/24/16 07:42	10/26/16 11:14	10
2-Chlorophenol	48	U	48	5.1	ug/L		10/24/16 07:42	10/26/16 11:14	10
2-Methylnaphthalene	48	U	48	5.7	ug/L		10/24/16 07:42	10/26/16 11:14	10
2-Methylphenol	48	U	48	3.8	ug/L		10/24/16 07:42	10/26/16 11:14	10
2-Nitroaniline	95	U	95	4.0	ug/L		10/24/16 07:42	10/26/16 11:14	10
2-Nitrophenol	48	U	48	4.6	ug/L		10/24/16 07:42	10/26/16 11:14	10
3,3'-Dichlorobenzidine	48	U	48	3.8	ug/L		10/24/16 07:42	10/26/16 11:14	10
3-Nitroaniline	95	U	95	4.6	ug/L		10/24/16 07:42	10/26/16 11:14	10
4,6-Dinitro-2-methylphenol	95	U	95	21	ug/L		10/24/16 07:42	10/26/16 11:14	10
4-Bromophenyl phenyl ether	48	U	48	4.3	ug/L		10/24/16 07:42	10/26/16 11:14	10
4-Chloro-3-methylphenol	48	U	48	4.3	ug/L		10/24/16 07:42	10/26/16 11:14	10
4-Chloroaniline	48	U	48	5.6	ug/L		10/24/16 07:42	10/26/16 11:14	10
4-Chlorophenyl phenyl ether	48	U	48	3.3	ug/L		10/24/16 07:42	10/26/16 11:14	10
4-Methylphenol	95	U	95	3.4	ug/L		10/24/16 07:42	10/26/16 11:14	10
4-Nitroaniline	95	U	95	2.4	ug/L		10/24/16 07:42	10/26/16 11:14	10
4-Nitrophenol	95	U	95	15	ug/L		10/24/16 07:42	10/26/16 11:14	10
Acenaphthene	48	U	48	3.9	ug/L		10/24/16 07:42	10/26/16 11:14	10
Acenaphthylene	48	U	48	3.6	ug/L		10/24/16 07:42	10/26/16 11:14	10
Anthracene	48	U	48	2.7	ug/L		10/24/16 07:42	10/26/16 11:14	10
Benzaldehyde	48	U	48	2.5	ug/L		10/24/16 07:42	10/26/16 11:14	10
Benzo[a]anthracene	48	U	48	3.4	ug/L		10/24/16 07:42	10/26/16 11:14	10
Benzo[a]pyrene	48	U	48	4.5	ug/L		10/24/16 07:42	10/26/16 11:14	10
Benzo[b]fluoranthene	48	U	48	3.2	ug/L		10/24/16 07:42	10/26/16 11:14	10
Benzo[g,h,i]perylene	48	U	48	3.3	ug/L		10/24/16 07:42	10/26/16 11:14	10
Benzo[k]fluoranthene	48	U	48	7.0	ug/L		10/24/16 07:42	10/26/16 11:14	10
bis (2-chloroisopropyl) ether	48	U	48	5.0	ug/L		10/24/16 07:42	10/26/16 11:14	10
Bis(2-chloroethoxy)methane	48	U	48	3.3	ug/L		10/24/16 07:42	10/26/16 11:14	10
Bis(2-chloroethyl)ether	48	U	48	3.8	ug/L		10/24/16 07:42	10/26/16 11:14	10
Bis(2-ethylhexyl) phthalate	48	U	48	21	ug/L		10/24/16 07:42	10/26/16 11:14	10
Butyl benzyl phthalate	48	U	48	9.5	ug/L		10/24/16 07:42	10/26/16 11:14	10
Carbazole	48	U	48	2.9	ug/L		10/24/16 07:42	10/26/16 11:14	10
Chrysene	48	U	48	3.2	ug/L		10/24/16 07:42	10/26/16 11:14	10
Dibenz(a,h)anthracene	48	U	48	4.0	ug/L		10/24/16 07:42	10/26/16 11:14	10
Dibenzofuran	95	U	95	4.9	ug/L		10/24/16 07:42	10/26/16 11:14	10
Diethyl phthalate	48	U	48	2.1	ug/L		10/24/16 07:42	10/26/16 11:14	10
Dimethyl phthalate	48	U	48	3.4	ug/L		10/24/16 07:42	10/26/16 11:14	10
Di-n-butyl phthalate	48	U	48	3.0	ug/L		10/24/16 07:42	10/26/16 11:14	10
Di-n-octyl phthalate	48	U	48	4.5	ug/L		10/24/16 07:42	10/26/16 11:14	10

Client: GHD Services Inc.
Project/Site: Sterling Site 3

TestAmerica Job ID: 480-108247-1

Client Sample ID: WG-007830-102016-BP-008 — **Lab Sample ID: 480-108247-8**
Date Collected: 10/20/16 15:00 — **Matrix: Water**
Date Received: 10/22/16 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	48	U	48	3.8	ug/L		10/24/16 07:42	10/26/16 11:14	10
Fluorene	48	U	48	3.4	ug/L		10/24/16 07:42	10/26/16 11:14	10
Hexachlorobenzene	48	U	48	4.9	ug/L		10/24/16 07:42	10/26/16 11:14	10
Hexachlorobutadiene	48	U	48	6.5	ug/L		10/24/16 07:42	10/26/16 11:14	10
Hexachlorocyclopentadiene	48	U	48	5.6	ug/L		10/24/16 07:42	10/26/16 11:14	10
Hexachloroethane	48	U	48	5.6	ug/L		10/24/16 07:42	10/26/16 11:14	10
Indeno[1,2,3-cd]pyrene	48	U	48	4.5	ug/L		10/24/16 07:42	10/26/16 11:14	10
Isophorone	48	U	48	4.1	ug/L		10/24/16 07:42	10/26/16 11:14	10
Naphthalene	48	U	48	7.3	ug/L		10/24/16 07:42	10/26/16 11:14	10
Nitrobenzene	48	U	48	2.8	ug/L		10/24/16 07:42	10/26/16 11:14	10
N-Nitrosodi-n-propylamine	48	U	48	5.2	ug/L		10/24/16 07:42	10/26/16 11:14	10
N-Nitrosodiphenylamine	48	U	48	4.9	ug/L		10/24/16 07:42	10/26/16 11:14	10
Pentachlorophenol	95	U	95	21	ug/L		10/24/16 07:42	10/26/16 11:14	10
Phenanthrene	48	U	48	4.2	ug/L		10/24/16 07:42	10/26/16 11:14	10
Phenol	48	U	48	3.7	ug/L		10/24/16 07:42	10/26/16 11:14	10
Pyrene	48	U	48	3.2	ug/L		10/24/16 07:42	10/26/16 11:14	10

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*35*	*T J*	*ug/L*		*5.08*		*10/24/16 07:42*	*10/26/16 11:14*	*10*
Unknown	*24*	*T J*	*ug/L*		*6.10*		*10/24/16 07:42*	*10/26/16 11:14*	*10*
Talbutal	*27*	*T J N*	*ug/L*		*10.02*	*115-44-6*	*10/24/16 07:42*	*10/26/16 11:14*	*10*
Unknown	*19*	*T J*	*ug/L*		*10.76*		*10/24/16 07:42*	*10/26/16 11:14*	*10*
Phenobarbital	*36*	*T J N*	*ug/L*		*10.99*	*50-06-6*	*10/24/16 07:42*	*10/26/16 11:14*	*10*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*74*		*52 - 132*	*10/24/16 07:42*	*10/26/16 11:14*	*10*
2-Fluorobiphenyl	*93*		*48 - 120*	*10/24/16 07:42*	*10/26/16 11:14*	*10*
2-Fluorophenol (Surr)	*69*		*20 - 120*	*10/24/16 07:42*	*10/26/16 11:14*	*10*
Nitrobenzene-d5 (Surr)	*80*		*46 - 120*	*10/24/16 07:42*	*10/26/16 11:14*	*10*
Phenol-d5 (Surr)	*51*		*16 - 120*	*10/24/16 07:42*	*10/26/16 11:14*	*10*
p-Terphenyl-d14 (Surr)	*69*		*67 - 150*	*10/24/16 07:42*	*10/26/16 11:14*	*10*

Client Sample ID: WG-007830-102016-BP-009 — **Lab Sample ID: 480-108247-9**
Date Collected: 10/20/16 15:30 — **Matrix: Water**
Date Received: 10/22/16 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.0	U	5.0	0.82	ug/L			10/25/16 16:52	1
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.21	ug/L			10/25/16 16:52	1
1,1,2-Trichloroethane	5.0	U	5.0	0.23	ug/L			10/25/16 16:52	1
1,1-Dichloroethane	5.0	U	5.0	0.38	ug/L			10/25/16 16:52	1
1,1-Dichloroethene	5.0	U	5.0	0.29	ug/L			10/25/16 16:52	1
1,2-Dichloroethane	5.0	U	5.0	0.21	ug/L			10/25/16 16:52	1
1,2-Dichloropropane	5.0	U	5.0	0.72	ug/L			10/25/16 16:52	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			10/25/16 16:52	1
2-Hexanone	10	U	10	1.2	ug/L			10/25/16 16:52	1
2-Methylthiophene	10	U	10	0.44	ug/L			10/25/16 16:52	1
4-Methyl-2-pentanone (MIBK)	10	U	10	2.1	ug/L			10/25/16 16:52	1
Acetone	10	U	10	3.0	ug/L			10/25/16 16:52	1
Benzene	1.0	U	1.0	0.41	ug/L			10/25/16 16:52	1
Bromoform	5.0	U	5.0	0.26	ug/L			10/25/16 16:52	1
Bromomethane	10	U	10	0.69	ug/L			10/25/16 16:52	1
Carbon disulfide	5.0	U	5.0	0.19	ug/L			10/25/16 16:52	1
Carbon tetrachloride	5.0	U	5.0	0.27	ug/L			10/25/16 16:52	1
Chlorobenzene	5.0	U	5.0	0.75	ug/L			10/25/16 16:52	1
Dibromochloromethane	5.0	U	5.0	0.32	ug/L			10/25/16 16:52	1
Chloroethane	10	U	10	0.32	ug/L			10/25/16 16:52	1
Chloroform	5.0	U	5.0	0.34	ug/L			10/25/16 16:52	1
Chloromethane	10	U	10	0.35	ug/L			10/25/16 16:52	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.81	ug/L			10/25/16 16:52	1
Bromodichloromethane	5.0	U	5.0	0.39	ug/L			10/25/16 16:52	1
Ethyl ether	**30**		10	0.72	ug/L			10/25/16 16:52	1
Ethylbenzene	5.0	U	5.0	0.74	ug/L			10/25/16 16:52	1
Methylene Chloride	5.0	U	5.0	0.44	ug/L			10/25/16 16:52	1
m&p-Xylene	5.0	U	5.0	0.66	ug/L			10/25/16 16:52	1
o-Xylene	5.0	U	5.0	0.76	ug/L			10/25/16 16:52	1
Tetrachloroethene	5.0	U	5.0	0.36	ug/L			10/25/16 16:52	1
Toluene	5.0	U	5.0	0.51	ug/L			10/25/16 16:52	1
trans-1,2-Dichloroethene	5.0	U	5.0	0.90	ug/L			10/25/16 16:52	1
trans-1,3-Dichloropropene	5.0	U	5.0	0.37	ug/L			10/25/16 16:52	1
Trichloroethene	5.0	U	5.0	0.46	ug/L			10/25/16 16:52	1
Vinyl chloride	10	U	10	0.90	ug/L			10/25/16 16:52	1
cis-1,3-Dichloropropene	5.0	U	5.0	0.36	ug/L			10/25/16 16:52	1
Styrene	5.0	U	5.0	0.73	ug/L			10/25/16 16:52	1
3-Methylthiophene	10	U	10	0.53	ug/L			10/25/16 16:52	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*10/25/16 16:52*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*10/25/16 16:52*	*1*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*10/25/16 16:52*	*1*
Dibromofluoromethane (Surr)	*109*		*75 - 123*		*10/25/16 16:52*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*10/25/16 16:52*	*1*

Client Sample ID: WG-007830-102016-BP-009
Date Collected: 10/20/16 15:30
Date Received: 10/22/16 09:00

Lab Sample ID: 480-108247-9
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	99	U	99	4.4	ug/L		10/24/16 07:42	10/26/16 11:43	10
1,2-Dichlorobenzene	99	U	99	4.0	ug/L		10/24/16 07:42	10/26/16 11:43	10
1,3-Dichlorobenzene	99	U	99	4.7	ug/L		10/24/16 07:42	10/26/16 11:43	10
1,4-Dichlorobenzene	99	U	99	4.5	ug/L		10/24/16 07:42	10/26/16 11:43	10
2,4,5-Trichlorophenol	49	U	49	4.7	ug/L		10/24/16 07:42	10/26/16 11:43	10
2,4,6-Trichlorophenol	49	U	49	6.0	ug/L		10/24/16 07:42	10/26/16 11:43	10
2,4-Dichlorophenol	49	U	49	5.0	ug/L		10/24/16 07:42	10/26/16 11:43	10
2,4-Dimethylphenol	49	U	49	4.9	ug/L		10/24/16 07:42	10/26/16 11:43	10
2,4-Dinitrophenol	99	U	99	22	ug/L		10/24/16 07:42	10/26/16 11:43	10
2,4-Dinitrotoluene	49	U	49	4.4	ug/L		10/24/16 07:42	10/26/16 11:43	10
2,6-Dinitrotoluene	49	U	49	4.0	ug/L		10/24/16 07:42	10/26/16 11:43	10
2-Chloronaphthalene	49	U	49	4.5	ug/L		10/24/16 07:42	10/26/16 11:43	10
2-Chlorophenol	49	U	49	5.2	ug/L		10/24/16 07:42	10/26/16 11:43	10
2-Methylnaphthalene	49	U	49	5.9	ug/L		10/24/16 07:42	10/26/16 11:43	10
2-Methylphenol	49	U	49	4.0	ug/L		10/24/16 07:42	10/26/16 11:43	10
2-Nitroaniline	99	U	99	4.2	ug/L		10/24/16 07:42	10/26/16 11:43	10
2-Nitrophenol	49	U	49	4.7	ug/L		10/24/16 07:42	10/26/16 11:43	10
3,3'-Dichlorobenzidine	49	U	49	4.0	ug/L		10/24/16 07:42	10/26/16 11:43	10
3-Nitroaniline	99	U	99	4.7	ug/L		10/24/16 07:42	10/26/16 11:43	10
4,6-Dinitro-2-methylphenol	99	U	99	22	ug/L		10/24/16 07:42	10/26/16 11:43	10
4-Bromophenyl phenyl ether	49	U	49	4.5	ug/L		10/24/16 07:42	10/26/16 11:43	10
4-Chloro-3-methylphenol	49	U	49	4.5	ug/L		10/24/16 07:42	10/26/16 11:43	10
4-Chloroaniline	49	U	49	5.8	ug/L		10/24/16 07:42	10/26/16 11:43	10
4-Chlorophenyl phenyl ether	49	U	49	3.5	ug/L		10/24/16 07:42	10/26/16 11:43	10
4-Methylphenol	99	U	99	3.6	ug/L		10/24/16 07:42	10/26/16 11:43	10
4-Nitroaniline	99	U	99	2.5	ug/L		10/24/16 07:42	10/26/16 11:43	10
4-Nitrophenol	99	U	99	15	ug/L		10/24/16 07:42	10/26/16 11:43	10
Acenaphthene	49	U	49	4.1	ug/L		10/24/16 07:42	10/26/16 11:43	10
Acenaphthylene	49	U	49	3.8	ug/L		10/24/16 07:42	10/26/16 11:43	10
Anthracene	49	U	49	2.8	ug/L		10/24/16 07:42	10/26/16 11:43	10
Benzaldehyde	49	U	49	2.6	ug/L		10/24/16 07:42	10/26/16 11:43	10
Benzo[a]anthracene	49	U	49	3.6	ug/L		10/24/16 07:42	10/26/16 11:43	10
Benzo[a]pyrene	49	U	49	4.6	ug/L		10/24/16 07:42	10/26/16 11:43	10
Benzo[b]fluoranthene	49	U	49	3.4	ug/L		10/24/16 07:42	10/26/16 11:43	10
Benzo[g,h,i]perylene	49	U	49	3.5	ug/L		10/24/16 07:42	10/26/16 11:43	10
Benzo[k]fluoranthene	49	U	49	7.2	ug/L		10/24/16 07:42	10/26/16 11:43	10
bis (2-chloroisopropyl) ether	49	U	49	5.1	ug/L		10/24/16 07:42	10/26/16 11:43	10
Bis(2-chloroethoxy)methane	49	U	49	3.5	ug/L		10/24/16 07:42	10/26/16 11:43	10
Bis(2-chloroethyl)ether	49	U	49	4.0	ug/L		10/24/16 07:42	10/26/16 11:43	10
Bis(2-ethylhexyl) phthalate	**54**	**B**	49	22	ug/L		10/24/16 07:42	10/26/16 11:43	10
Butyl benzyl phthalate	49	U	49	9.9	ug/L		10/24/16 07:42	10/26/16 11:43	10
Carbazole	49	U	49	3.0	ug/L		10/24/16 07:42	10/26/16 11:43	10
Chrysene	49	U	49	3.3	ug/L		10/24/16 07:42	10/26/16 11:43	10
Dibenz(a,h)anthracene	49	U	49	4.2	ug/L		10/24/16 07:42	10/26/16 11:43	10
Dibenzofuran	99	U	99	5.0	ug/L		10/24/16 07:42	10/26/16 11:43	10
Diethyl phthalate	49	U	49	2.2	ug/L		10/24/16 07:42	10/26/16 11:43	10
Dimethyl phthalate	49	U	49	3.6	ug/L		10/24/16 07:42	10/26/16 11:43	10
Di-n-butyl phthalate	49	U	49	3.1	ug/L		10/24/16 07:42	10/26/16 11:43	10
Di-n-octyl phthalate	49	U	49	4.6	ug/L		10/24/16 07:42	10/26/16 11:43	10

Client Sample ID: WG-007830-102016-BP-009 **Lab Sample ID: 480-108247-9**
Date Collected: 10/20/16 15:30 **Matrix: Water**
Date Received: 10/22/16 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	49	U	49	4.0	ug/L		10/24/16 07:42	10/26/16 11:43	10
Fluorene	49	U	49	3.6	ug/L		10/24/16 07:42	10/26/16 11:43	10
Hexachlorobenzene	49	U	49	5.0	ug/L		10/24/16 07:42	10/26/16 11:43	10
Hexachlorobutadiene	49	U	49	6.7	ug/L		10/24/16 07:42	10/26/16 11:43	10
Hexachlorocyclopentadiene	49	U	49	5.8	ug/L		10/24/16 07:42	10/26/16 11:43	10
Hexachloroethane	49	U	49	5.8	ug/L		10/24/16 07:42	10/26/16 11:43	10
Indeno[1,2,3-cd]pyrene	49	U	49	4.6	ug/L		10/24/16 07:42	10/26/16 11:43	10
Isophorone	49	U	49	4.3	ug/L		10/24/16 07:42	10/26/16 11:43	10
Naphthalene	49	U	49	7.5	ug/L		10/24/16 07:42	10/26/16 11:43	10
Nitrobenzene	49	U	49	2.9	ug/L		10/24/16 07:42	10/26/16 11:43	10
N-Nitrosodi-n-propylamine	49	U	49	5.3	ug/L		10/24/16 07:42	10/26/16 11:43	10
N-Nitrosodiphenylamine	49	U	49	5.0	ug/L		10/24/16 07:42	10/26/16 11:43	10
Pentachlorophenol	99	U	99	22	ug/L		10/24/16 07:42	10/26/16 11:43	10
Phenanthrene	49	U	49	4.4	ug/L		10/24/16 07:42	10/26/16 11:43	10
Phenol	49	U	49	3.9	ug/L		10/24/16 07:42	10/26/16 11:43	10
Pyrene	49	U	49	3.4	ug/L		10/24/16 07:42	10/26/16 11:43	10

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*28*	*T J*	*ug/L*		*5.08*		*10/24/16 07:42*	*10/26/16 11:43*	*10*
Phenobarbital	*17*	*T J N*	*ug/L*		*10.99*	*50-06-6*	*10/24/16 07:42*	*10/26/16 11:43*	*10*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*66*		*52 - 132*	*10/24/16 07:42*	*10/26/16 11:43*	*10*
2-Fluorobiphenyl	*85*		*48 - 120*	*10/24/16 07:42*	*10/26/16 11:43*	*10*
2-Fluorophenol (Surr)	*65*		*20 - 120*	*10/24/16 07:42*	*10/26/16 11:43*	*10*
Nitrobenzene-d5 (Surr)	*70*		*46 - 120*	*10/24/16 07:42*	*10/26/16 11:43*	*10*
Phenol-d5 (Surr)	*48*		*16 - 120*	*10/24/16 07:42*	*10/26/16 11:43*	*10*
p-Terphenyl-d14 (Surr)	*81*		*67 - 150*	*10/24/16 07:42*	*10/26/16 11:43*	*10*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	340	U	340	15	ug/L		10/27/16 16:31	10/31/16 19:28	10
1,2-Dichlorobenzene	340	U	340	14	ug/L		10/27/16 16:31	10/31/16 19:28	10
1,3-Dichlorobenzene	340	U	340	16	ug/L		10/27/16 16:31	10/31/16 19:28	10
1,4-Dichlorobenzene	340	U	340	16	ug/L		10/27/16 16:31	10/31/16 19:28	10
2,4,5-Trichlorophenol	170	U *	170	16	ug/L		10/27/16 16:31	10/31/16 19:28	10
2,4,6-Trichlorophenol	170	U *	170	21	ug/L		10/27/16 16:31	10/31/16 19:28	10
2,4-Dichlorophenol	170	U	170	17	ug/L		10/27/16 16:31	10/31/16 19:28	10
2,4-Dimethylphenol	170	U	170	17	ug/L		10/27/16 16:31	10/31/16 19:28	10
2,4-Dinitrophenol	340	U	340	75	ug/L		10/27/16 16:31	10/31/16 19:28	10
2,4-Dinitrotoluene	170	U	170	15	ug/L		10/27/16 16:31	10/31/16 19:28	10
2,6-Dinitrotoluene	170	U *	170	14	ug/L		10/27/16 16:31	10/31/16 19:28	10
2-Chloronaphthalene	170	U	170	16	ug/L		10/27/16 16:31	10/31/16 19:28	10
2-Chlorophenol	170	U	170	18	ug/L		10/27/16 16:31	10/31/16 19:28	10
2-Methylnaphthalene	170	U	170	20	ug/L		10/27/16 16:31	10/31/16 19:28	10
2-Methylphenol	170	U	170	14	ug/L		10/27/16 16:31	10/31/16 19:28	10
2-Nitroaniline	340	U *	340	14	ug/L		10/27/16 16:31	10/31/16 19:28	10
2-Nitrophenol	170	U	170	16	ug/L		10/27/16 16:31	10/31/16 19:28	10
3,3'-Dichlorobenzidine	170	U	170	14	ug/L		10/27/16 16:31	10/31/16 19:28	10
3-Nitroaniline	340	U	340	16	ug/L		10/27/16 16:31	10/31/16 19:28	10

Client Sample ID: WG-007830-102016-BP-009 — **Lab Sample ID: 480-108247-9**
Date Collected: 10/20/16 15:30 — **Matrix: Water**
Date Received: 10/22/16 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,6-Dinitro-2-methylphenol	340	U *	340	74	ug/L		10/27/16 16:31	10/31/16 19:28	10
4-Bromophenyl phenyl ether	170	U *	170	15	ug/L		10/27/16 16:31	10/31/16 19:28	10
4-Chloro-3-methylphenol	170	U	170	15	ug/L		10/27/16 16:31	10/31/16 19:28	10
4-Chloroaniline	170	U	170	20	ug/L		10/27/16 16:31	10/31/16 19:28	10
4-Chlorophenyl phenyl ether	170	U *	170	12	ug/L		10/27/16 16:31	10/31/16 19:28	10
4-Methylphenol	340	U	340	12	ug/L		10/27/16 16:31	10/31/16 19:28	10
4-Nitroaniline	340	U	340	8.4	ug/L		10/27/16 16:31	10/31/16 19:28	10
4-Nitrophenol	340	U	340	51	ug/L		10/27/16 16:31	10/31/16 19:28	10
Acenaphthene	170	U	170	14	ug/L		10/27/16 16:31	10/31/16 19:28	10
Acenaphthylene	170	U	170	13	ug/L		10/27/16 16:31	10/31/16 19:28	10
Anthracene	170	U	170	9.5	ug/L		10/27/16 16:31	10/31/16 19:28	10
Benzaldehyde	170	U	170	9.0	ug/L		10/27/16 16:31	10/31/16 19:28	10
Benzo[a]anthracene	170	U	170	12	ug/L		10/27/16 16:31	10/31/16 19:28	10
Benzo[a]pyrene	170	U	170	16	ug/L		10/27/16 16:31	10/31/16 19:28	10
Benzo[b]fluoranthene	170	U	170	11	ug/L		10/27/16 16:31	10/31/16 19:28	10
Benzo[g,h,i]perylene	170	U	170	12	ug/L		10/27/16 16:31	10/31/16 19:28	10
Benzo[k]fluoranthene	170	U	170	25	ug/L		10/27/16 16:31	10/31/16 19:28	10
bis (2-chloroisopropyl) ether	170	U	170	18	ug/L		10/27/16 16:31	10/31/16 19:28	10
Bis(2-chloroethoxy)methane	170	U	170	12	ug/L		10/27/16 16:31	10/31/16 19:28	10
Bis(2-chloroethyl)ether	170	U	170	14	ug/L		10/27/16 16:31	10/31/16 19:28	10
Bis(2-ethylhexyl) phthalate	**140**	**J**	170	74	ug/L		10/27/16 16:31	10/31/16 19:28	10
Butyl benzyl phthalate	170	U	170	34	ug/L		10/27/16 16:31	10/31/16 19:28	10
Carbazole	170	U	170	10	ug/L		10/27/16 16:31	10/31/16 19:28	10
Chrysene	170	U	170	11	ug/L		10/27/16 16:31	10/31/16 19:28	10
Dibenz(a,h)anthracene	170	U	170	14	ug/L		10/27/16 16:31	10/31/16 19:28	10
Dibenzofuran	340	U	340	17	ug/L		10/27/16 16:31	10/31/16 19:28	10
Diethyl phthalate	170	U	170	7.4	ug/L		10/27/16 16:31	10/31/16 19:28	10
Dimethyl phthalate	170	U	170	12	ug/L		10/27/16 16:31	10/31/16 19:28	10
Di-n-butyl phthalate	170	U	170	10	ug/L		10/27/16 16:31	10/31/16 19:28	10
Di-n-octyl phthalate	170	U	170	16	ug/L		10/27/16 16:31	10/31/16 19:28	10
Fluoranthene	170	U	170	14	ug/L		10/27/16 16:31	10/31/16 19:28	10
Fluorene	170	U	170	12	ug/L		10/27/16 16:31	10/31/16 19:28	10
Hexachlorobenzene	170	U	170	17	ug/L		10/27/16 16:31	10/31/16 19:28	10
Hexachlorobutadiene	170	U	170	23	ug/L		10/27/16 16:31	10/31/16 19:28	10
Hexachlorocyclopentadiene	170	U	170	20	ug/L		10/27/16 16:31	10/31/16 19:28	10
Hexachloroethane	170	U	170	20	ug/L		10/27/16 16:31	10/31/16 19:28	10
Indeno[1,2,3-cd]pyrene	170	U	170	16	ug/L		10/27/16 16:31	10/31/16 19:28	10
Isophorone	170	U	170	15	ug/L		10/27/16 16:31	10/31/16 19:28	10
Naphthalene	170	U	170	26	ug/L		10/27/16 16:31	10/31/16 19:28	10
Nitrobenzene	170	U	170	9.8	ug/L		10/27/16 16:31	10/31/16 19:28	10
N-Nitrosodi-n-propylamine	170	U	170	18	ug/L		10/27/16 16:31	10/31/16 19:28	10
N-Nitrosodiphenylamine	170	U	170	17	ug/L		10/27/16 16:31	10/31/16 19:28	10
Pentachlorophenol	340	U	340	74	ug/L		10/27/16 16:31	10/31/16 19:28	10
Phenanthrene	170	U	170	15	ug/L		10/27/16 16:31	10/31/16 19:28	10
Phenol	170	U	170	13	ug/L		10/27/16 16:31	10/31/16 19:28	10
Pyrene	170	U	170	11	ug/L		10/27/16 16:31	10/31/16 19:28	10

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*60*	*T J*	*ug/L*		*13.74*		*10/27/16 16:31*	*10/31/16 19:28*	*10*
Unknown	*64*	*T J*	*ug/L*		*14.40*		*10/27/16 16:31*	*10/31/16 19:28*	*10*

Client: GHD Services Inc.
Project/Site: Sterling Site 3

TestAmerica Job ID: 480-108247-1

Client Sample ID: WG-007830-102016-BP-009
Date Collected: 10/20/16 15:30
Date Received: 10/22/16 09:00

Lab Sample ID: 480-108247-9
Matrix: Water

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

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	55	T J	ug/L		15.06		10/27/16 16:31	10/31/16 19:28	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	75		52 - 132	10/27/16 16:31	10/31/16 19:28	10
2-Fluorobiphenyl	91		48 - 120	10/27/16 16:31	10/31/16 19:28	10
2-Fluorophenol (Surr)	81		20 - 120	10/27/16 16:31	10/31/16 19:28	10
Nitrobenzene-d5 (Surr)	73		46 - 120	10/27/16 16:31	10/31/16 19:28	10
Phenol-d5 (Surr)	78		16 - 120	10/27/16 16:31	10/31/16 19:28	10
p-Terphenyl-d14 (Surr)	100		67 - 150	10/27/16 16:31	10/31/16 19:28	10

Client Sample ID: WG-007830-102016-BP-010 — **Lab Sample ID: 480-108247-10**
Date Collected: 10/20/16 16:00 — **Matrix: Water**
Date Received: 10/22/16 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.0	U	5.0	0.82	ug/L			10/25/16 04:49	1
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.21	ug/L			10/25/16 04:49	1
1,1,2-Trichloroethane	5.0	U	5.0	0.23	ug/L			10/25/16 04:49	1
1,1-Dichloroethane	5.0	U	5.0	0.38	ug/L			10/25/16 04:49	1
1,1-Dichloroethene	5.0	U	5.0	0.29	ug/L			10/25/16 04:49	1
1,2-Dichloroethane	5.0	U	5.0	0.21	ug/L			10/25/16 04:49	1
1,2-Dichloropropane	5.0	U	5.0	0.72	ug/L			10/25/16 04:49	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			10/25/16 04:49	1
2-Hexanone	10	U	10	1.2	ug/L			10/25/16 04:49	1
2-Methylthiophene	10	U	10	0.44	ug/L			10/25/16 04:49	1
4-Methyl-2-pentanone (MIBK)	10	U	10	2.1	ug/L			10/25/16 04:49	1
Acetone	**3.4**	**J**	10	3.0	ug/L			10/25/16 04:49	1
Benzene	**21**		1.0	0.41	ug/L			10/25/16 04:49	1
Bromoform	5.0	U	5.0	0.26	ug/L			10/25/16 04:49	1
Bromomethane	10	U	10	0.69	ug/L			10/25/16 04:49	1
Carbon disulfide	5.0	U	5.0	0.19	ug/L			10/25/16 04:49	1
Carbon tetrachloride	5.0	U	5.0	0.27	ug/L			10/25/16 04:49	1
Chlorobenzene	**2.0**	**J**	5.0	0.75	ug/L			10/25/16 04:49	1
Dibromochloromethane	5.0	U	5.0	0.32	ug/L			10/25/16 04:49	1
Chloroethane	10	U	10	0.32	ug/L			10/25/16 04:49	1
Chloroform	**1.8**	**J**	5.0	0.34	ug/L			10/25/16 04:49	1
Chloromethane	10	U	10	0.35	ug/L			10/25/16 04:49	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.81	ug/L			10/25/16 04:49	1
Bromodichloromethane	5.0	U	5.0	0.39	ug/L			10/25/16 04:49	1
Ethyl ether	**220**	**E**	10	0.72	ug/L			10/25/16 04:49	1
Ethylbenzene	5.0	U	5.0	0.74	ug/L			10/25/16 04:49	1
Methylene Chloride	5.0	U	5.0	0.44	ug/L			10/25/16 04:49	1
m&p-Xylene	5.0	U	5.0	0.66	ug/L			10/25/16 04:49	1
o-Xylene	5.0	U	5.0	0.76	ug/L			10/25/16 04:49	1
Tetrachloroethene	5.0	U	5.0	0.36	ug/L			10/25/16 04:49	1
Toluene	5.0	U	5.0	0.51	ug/L			10/25/16 04:49	1
trans-1,2-Dichloroethene	5.0	U	5.0	0.90	ug/L			10/25/16 04:49	1
trans-1,3-Dichloropropene	5.0	U	5.0	0.37	ug/L			10/25/16 04:49	1
Trichloroethene	5.0	U	5.0	0.46	ug/L			10/25/16 04:49	1
Vinyl chloride	10	U	10	0.90	ug/L			10/25/16 04:49	1
cis-1,3-Dichloropropene	5.0	U	5.0	0.36	ug/L			10/25/16 04:49	1
Styrene	5.0	U	5.0	0.73	ug/L			10/25/16 04:49	1
3-Methylthiophene	10	U	10	0.53	ug/L			10/25/16 04:49	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Methane, chlorofluoro-	*3.6*	*T J N*	*ug/L*		*1.61*	*593-70-4*		*10/25/16 04:49*	*1*
Methane, dichlorofluoro-	*4.2*	*T J N*	*ug/L*		*2.26*	*75-43-4*		*10/25/16 04:49*	*1*
Benzene, (ethoxymethyl)-	*12*	*T J N*	*ug/L*		*11.38*	*539-30-0*		*10/25/16 04:49*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*		*10/25/16 04:49*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*10/25/16 04:49*	*1*
Dibromofluoromethane (Surr)	*110*		*75 - 123*		*10/25/16 04:49*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*10/25/16 04:49*	*1*

Client Sample ID: WG-007830-102016-BP-010 — **Lab Sample ID: 480-108247-10**
Date Collected: 10/20/16 16:00 — **Matrix: Water**
Date Received: 10/22/16 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	25	U	25	4.1	ug/L			10/25/16 15:05	5
1,1,2,2-Tetrachloroethane	25	U	25	1.1	ug/L			10/25/16 15:05	5
1,1,2-Trichloroethane	25	U	25	1.2	ug/L			10/25/16 15:05	5
1,1-Dichloroethane	25	U	25	1.9	ug/L			10/25/16 15:05	5
1,1-Dichloroethene	25	U	25	1.5	ug/L			10/25/16 15:05	5
1,2-Dichloroethane	25	U	25	1.1	ug/L			10/25/16 15:05	5
1,2-Dichloropropane	25	U	25	3.6	ug/L			10/25/16 15:05	5
2-Butanone (MEK)	50	U	50	6.6	ug/L			10/25/16 15:05	5
2-Hexanone	50	U	50	6.2	ug/L			10/25/16 15:05	5
2-Methylthiophene	50	U	50	2.2	ug/L			10/25/16 15:05	5
4-Methyl-2-pentanone (MIBK)	50	U	50	11	ug/L			10/25/16 15:05	5
Acetone	50	U	50	15	ug/L			10/25/16 15:05	5
Benzene	**33**		5.0	2.1	ug/L			10/25/16 15:05	5
Bromoform	25	U	25	1.3	ug/L			10/25/16 15:05	5
Bromomethane	50	U	50	3.5	ug/L			10/25/16 15:05	5
Carbon disulfide	25	U	25	0.95	ug/L			10/25/16 15:05	5
Carbon tetrachloride	25	U	25	1.4	ug/L			10/25/16 15:05	5
Chlorobenzene	25	U	25	3.8	ug/L			10/25/16 15:05	5
Dibromochloromethane	25	U	25	1.6	ug/L			10/25/16 15:05	5
Chloroethane	50	U	50	1.6	ug/L			10/25/16 15:05	5
Chloroform	**1.8**	**J**	25	1.7	ug/L			10/25/16 15:05	5
Chloromethane	50	U	50	1.8	ug/L			10/25/16 15:05	5
cis-1,2-Dichloroethene	25	U	25	4.1	ug/L			10/25/16 15:05	5
Bromodichloromethane	25	U	25	2.0	ug/L			10/25/16 15:05	5
Ethyl ether	**230**		50	3.6	ug/L			10/25/16 15:05	5
Ethylbenzene	25	U	25	3.7	ug/L			10/25/16 15:05	5
Methylene Chloride	25	U	25	2.2	ug/L			10/25/16 15:05	5
m&p-Xylene	25	U	25	3.3	ug/L			10/25/16 15:05	5
o-Xylene	25	U	25	3.8	ug/L			10/25/16 15:05	5
Tetrachloroethene	25	U	25	1.8	ug/L			10/25/16 15:05	5
Toluene	25	U	25	2.6	ug/L			10/25/16 15:05	5
trans-1,2-Dichloroethene	25	U	25	4.5	ug/L			10/25/16 15:05	5
trans-1,3-Dichloropropene	25	U	25	1.9	ug/L			10/25/16 15:05	5
Trichloroethene	25	U	25	2.3	ug/L			10/25/16 15:05	5
Vinyl chloride	50	U	50	4.5	ug/L			10/25/16 15:05	5
cis-1,3-Dichloropropene	25	U	25	1.8	ug/L			10/25/16 15:05	5
Styrene	25	U	25	3.7	ug/L			10/25/16 15:05	5
3-Methylthiophene	50	U	50	2.7	ug/L			10/25/16 15:05	5

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*10/25/16 15:05*	*5*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*77 - 120*		*10/25/16 15:05*	*5*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*10/25/16 15:05*	*5*
Dibromofluoromethane (Surr)	*113*		*75 - 123*		*10/25/16 15:05*	*5*
Toluene-d8 (Surr)	*98*		*80 - 120*		*10/25/16 15:05*	*5*

Client: GHD Services Inc.
Project/Site: Sterling Site 3

TestAmerica Job ID: 480-108247-1

Client Sample ID: WG-007830-102016-BP-010
Date Collected: 10/20/16 16:00
Date Received: 10/22/16 09:00

Lab Sample ID: 480-108247-10
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	9.7	U	9.7	0.43	ug/L		10/24/16 07:42	10/26/16 12:12	1
1,2-Dichlorobenzene	9.7	U	9.7	0.39	ug/L		10/24/16 07:42	10/26/16 12:12	1
1,3-Dichlorobenzene	9.7	U	9.7	0.47	ug/L		10/24/16 07:42	10/26/16 12:12	1
1,4-Dichlorobenzene	9.7	U	9.7	0.45	ug/L		10/24/16 07:42	10/26/16 12:12	1
2,4,5-Trichlorophenol	4.8	U	4.8	0.47	ug/L		10/24/16 07:42	10/26/16 12:12	1
2,4,6-Trichlorophenol	4.8	U	4.8	0.59	ug/L		10/24/16 07:42	10/26/16 12:12	1
2,4-Dichlorophenol	4.8	U	4.8	0.49	ug/L		10/24/16 07:42	10/26/16 12:12	1
2,4-Dimethylphenol	4.8	U	4.8	0.48	ug/L		10/24/16 07:42	10/26/16 12:12	1
2,4-Dinitrophenol	9.7	U	9.7	2.2	ug/L		10/24/16 07:42	10/26/16 12:12	1
2,4-Dinitrotoluene	4.8	U	4.8	0.43	ug/L		10/24/16 07:42	10/26/16 12:12	1
2,6-Dinitrotoluene	4.8	U	4.8	0.39	ug/L		10/24/16 07:42	10/26/16 12:12	1
2-Chloronaphthalene	4.8	U	4.8	0.45	ug/L		10/24/16 07:42	10/26/16 12:12	1
2-Chlorophenol	4.8	U	4.8	0.51	ug/L		10/24/16 07:42	10/26/16 12:12	1
2-Methylnaphthalene	4.8	U	4.8	0.58	ug/L		10/24/16 07:42	10/26/16 12:12	1
2-Methylphenol	4.8	U	4.8	0.39	ug/L		10/24/16 07:42	10/26/16 12:12	1
2-Nitroaniline	9.7	U	9.7	0.41	ug/L		10/24/16 07:42	10/26/16 12:12	1
2-Nitrophenol	4.8	U	4.8	0.47	ug/L		10/24/16 07:42	10/26/16 12:12	1
3,3'-Dichlorobenzidine	4.8	U	4.8	0.39	ug/L		10/24/16 07:42	10/26/16 12:12	1
3-Nitroaniline	9.7	U	9.7	0.47	ug/L		10/24/16 07:42	10/26/16 12:12	1
4,6-Dinitro-2-methylphenol	9.7	U	9.7	2.1	ug/L		10/24/16 07:42	10/26/16 12:12	1
4-Bromophenyl phenyl ether	4.8	U	4.8	0.44	ug/L		10/24/16 07:42	10/26/16 12:12	1
4-Chloro-3-methylphenol	4.8	U	4.8	0.44	ug/L		10/24/16 07:42	10/26/16 12:12	1
4-Chloroaniline	4.8	U	4.8	0.57	ug/L		10/24/16 07:42	10/26/16 12:12	1
4-Chlorophenyl phenyl ether	4.8	U	4.8	0.34	ug/L		10/24/16 07:42	10/26/16 12:12	1
4-Methylphenol	9.7	U	9.7	0.35	ug/L		10/24/16 07:42	10/26/16 12:12	1
4-Nitroaniline	9.7	U	9.7	0.24	ug/L		10/24/16 07:42	10/26/16 12:12	1
4-Nitrophenol	9.7	U	9.7	1.5	ug/L		10/24/16 07:42	10/26/16 12:12	1
Acenaphthene	4.8	U	4.8	0.40	ug/L		10/24/16 07:42	10/26/16 12:12	1
Acenaphthylene	4.8	U	4.8	0.37	ug/L		10/24/16 07:42	10/26/16 12:12	1
Anthracene	4.8	U	4.8	0.27	ug/L		10/24/16 07:42	10/26/16 12:12	1
Benzaldehyde	4.8	U	4.8	0.26	ug/L		10/24/16 07:42	10/26/16 12:12	1
Benzo[a]anthracene	4.8	U	4.8	0.35	ug/L		10/24/16 07:42	10/26/16 12:12	1
Benzo[a]pyrene	4.8	U	4.8	0.46	ug/L		10/24/16 07:42	10/26/16 12:12	1
Benzo[b]fluoranthene	4.8	U	4.8	0.33	ug/L		10/24/16 07:42	10/26/16 12:12	1
Benzo[g,h,i]perylene	4.8	U	4.8	0.34	ug/L		10/24/16 07:42	10/26/16 12:12	1
Benzo[k]fluoranthene	4.8	U	4.8	0.71	ug/L		10/24/16 07:42	10/26/16 12:12	1
bis (2-chloroisopropyl) ether	4.8	U	4.8	0.50	ug/L		10/24/16 07:42	10/26/16 12:12	1
Bis(2-chloroethoxy)methane	4.8	U	4.8	0.34	ug/L		10/24/16 07:42	10/26/16 12:12	1
Bis(2-chloroethyl)ether	4.8	U	4.8	0.39	ug/L		10/24/16 07:42	10/26/16 12:12	1
Bis(2-ethylhexyl) phthalate	4.8	U	4.8	2.1	ug/L		10/24/16 07:42	10/26/16 12:12	1
Butyl benzyl phthalate	4.8	U	4.8	0.97	ug/L		10/24/16 07:42	10/26/16 12:12	1
Carbazole	4.8	U	4.8	0.29	ug/L		10/24/16 07:42	10/26/16 12:12	1
Chrysene	4.8	U	4.8	0.32	ug/L		10/24/16 07:42	10/26/16 12:12	1
Dibenz(a,h)anthracene	4.8	U	4.8	0.41	ug/L		10/24/16 07:42	10/26/16 12:12	1
Dibenzofuran	9.7	U	9.7	0.49	ug/L		10/24/16 07:42	10/26/16 12:12	1
Diethyl phthalate	4.8	U	4.8	0.21	ug/L		10/24/16 07:42	10/26/16 12:12	1
Dimethyl phthalate	4.8	U	4.8	0.35	ug/L		10/24/16 07:42	10/26/16 12:12	1
Di-n-butyl phthalate	4.8	U	4.8	0.30	ug/L		10/24/16 07:42	10/26/16 12:12	1
Di-n-octyl phthalate	4.8	U	4.8	0.46	ug/L		10/24/16 07:42	10/26/16 12:12	1

Client Sample ID: WG-007830-102016-BP-010 **Lab Sample ID: 480-108247-10**
Date Collected: 10/20/16 16:00 **Matrix: Water**
Date Received: 10/22/16 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	4.8	U	4.8	0.39	ug/L		10/24/16 07:42	10/26/16 12:12	1
Fluorene	4.8	U	4.8	0.35	ug/L		10/24/16 07:42	10/26/16 12:12	1
Hexachlorobenzene	4.8	U	4.8	0.49	ug/L		10/24/16 07:42	10/26/16 12:12	1
Hexachlorobutadiene	4.8	U	4.8	0.66	ug/L		10/24/16 07:42	10/26/16 12:12	1
Hexachlorocyclopentadiene	4.8	U	4.8	0.57	ug/L		10/24/16 07:42	10/26/16 12:12	1
Hexachloroethane	4.8	U	4.8	0.57	ug/L		10/24/16 07:42	10/26/16 12:12	1
Indeno[1,2,3-cd]pyrene	4.8	U	4.8	0.46	ug/L		10/24/16 07:42	10/26/16 12:12	1
Isophorone	4.8	U	4.8	0.42	ug/L		10/24/16 07:42	10/26/16 12:12	1
Naphthalene	4.8	U	4.8	0.74	ug/L		10/24/16 07:42	10/26/16 12:12	1
Nitrobenzene	4.8	U	4.8	0.28	ug/L		10/24/16 07:42	10/26/16 12:12	1
N-Nitrosodi-n-propylamine	4.8	U	4.8	0.52	ug/L		10/24/16 07:42	10/26/16 12:12	1
N-Nitrosodiphenylamine	4.8	U	4.8	0.49	ug/L		10/24/16 07:42	10/26/16 12:12	1
Pentachlorophenol	9.7	U	9.7	2.1	ug/L		10/24/16 07:42	10/26/16 12:12	1
Phenanthrene	4.8	U	4.8	0.43	ug/L		10/24/16 07:42	10/26/16 12:12	1
Phenol	4.8	U	4.8	0.38	ug/L		10/24/16 07:42	10/26/16 12:12	1
Pyrene	4.8	U	4.8	0.33	ug/L		10/24/16 07:42	10/26/16 12:12	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Triethylamine	*29*	*T J N*	*ug/L*		*3.37*	*121-44-8*	*10/24/16 07:42*	*10/26/16 12:12*	*1*
Unknown	*29*	*T J*	*ug/L*		*5.10*		*10/24/16 07:42*	*10/26/16 12:12*	*1*
Benzenemethanamine, N,N-dimethyl-	*9.1*	*T J N*	*ug/L*		*6.70*	*103-83-3*	*10/24/16 07:42*	*10/26/16 12:12*	*1*
Benzene, (ethoxymethyl)-	*56*	*T J N*	*ug/L*		*6.80*	*539-30-0*	*10/24/16 07:42*	*10/26/16 12:12*	*1*
Unknown	*13*	*T J*	*ug/L*		*6.87*		*10/24/16 07:42*	*10/26/16 12:12*	*1*
Ethane, 1,2-bis(2-chloroethoxy)-	*9.7*	*T J N*	*ug/L*		*7.98*	*112-26-5*	*10/24/16 07:42*	*10/26/16 12:12*	*1*
Unknown	*10*	*T J*	*ug/L*		*8.65*		*10/24/16 07:42*	*10/26/16 12:12*	*1*
Unknown	*11*	*T J*	*ug/L*		*8.73*		*10/24/16 07:42*	*10/26/16 12:12*	*1*
Talbutal	*35*	*T J N*	*ug/L*		*10.04*	*115-44-6*	*10/24/16 07:42*	*10/26/16 12:12*	*1*
Unknown	*7.5*	*T J*	*ug/L*		*10.20*		*10/24/16 07:42*	*10/26/16 12:12*	*1*
Unknown	*7.3*	*T J*	*ug/L*		*10.31*		*10/24/16 07:42*	*10/26/16 12:12*	*1*
Hexobarbital	*7.6*	*T J N*	*ug/L*		*10.62*	*56-29-1*	*10/24/16 07:42*	*10/26/16 12:12*	*1*
Lidocaine	*46*	*T J N*	*ug/L*		*10.66*	*137-58-6*	*10/24/16 07:42*	*10/26/16 12:12*	*1*
Mephobarbital	*79*	*T J N*	*ug/L*		*10.77*	*115-38-8*	*10/24/16 07:42*	*10/26/16 12:12*	*1*
Phenobarbital	*34*	*T J N*	*ug/L*		*11.01*	*50-06-6*	*10/24/16 07:42*	*10/26/16 12:12*	*1*
Unknown	*7.9*	*T J*	*ug/L*		*11.04*		*10/24/16 07:42*	*10/26/16 12:12*	*1*
Unknown	*8.9*	*T J*	*ug/L*		*11.18*		*10/24/16 07:42*	*10/26/16 12:12*	*1*
Mepivacaine	*33*	*T J N*	*ug/L*		*11.43*	*96-88-8*	*10/24/16 07:42*	*10/26/16 12:12*	*1*
Pentazocine	*8.8*	*T J N*	*ug/L*		*12.28*	*359-83-1*	*10/24/16 07:42*	*10/26/16 12:12*	*1*
Unknown	*52*	*T J*	*ug/L*		*12.65*		*10/24/16 07:42*	*10/26/16 12:12*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*95*		*52 - 132*	*10/24/16 07:42*	*10/26/16 12:12*	*1*
2-Fluorobiphenyl	*92*		*48 - 120*	*10/24/16 07:42*	*10/26/16 12:12*	*1*
2-Fluorophenol (Surr)	*73*		*20 - 120*	*10/24/16 07:42*	*10/26/16 12:12*	*1*
Nitrobenzene-d5 (Surr)	*81*		*46 - 120*	*10/24/16 07:42*	*10/26/16 12:12*	*1*
Phenol-d5 (Surr)	*52*		*16 - 120*	*10/24/16 07:42*	*10/26/16 12:12*	*1*
p-Terphenyl-d14 (Surr)	*79*		*67 - 150*	*10/24/16 07:42*	*10/26/16 12:12*	*1*

Client Sample ID: WG-007830-102116-BP-011 — **Lab Sample ID: 480-108247-11**
Date Collected: 10/21/16 08:30 — **Matrix: Water**
Date Received: 10/22/16 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	25	U	25	4.1	ug/L			10/25/16 05:16	5
1,1,2,2-Tetrachloroethane	25	U	25	1.1	ug/L			10/25/16 05:16	5
1,1,2-Trichloroethane	25	U	25	1.2	ug/L			10/25/16 05:16	5
1,1-Dichloroethane	25	U	25	1.9	ug/L			10/25/16 05:16	5
1,1-Dichloroethene	25	U	25	1.5	ug/L			10/25/16 05:16	5
1,2-Dichloroethane	25	U	25	1.1	ug/L			10/25/16 05:16	5
1,2-Dichloropropane	25	U	25	3.6	ug/L			10/25/16 05:16	5
2-Butanone (MEK)	50	U	50	6.6	ug/L			10/25/16 05:16	5
2-Hexanone	50	U	50	6.2	ug/L			10/25/16 05:16	5
2-Methylthiophene	50	U	50	2.2	ug/L			10/25/16 05:16	5
4-Methyl-2-pentanone (MIBK)	50	U	50	11	ug/L			10/25/16 05:16	5
Acetone	**18**	**J**	50	15	ug/L			10/25/16 05:16	5
Benzene	5.0	U	5.0	2.1	ug/L			10/25/16 05:16	5
Bromoform	25	U	25	1.3	ug/L			10/25/16 05:16	5
Bromomethane	50	U	50	3.5	ug/L			10/25/16 05:16	5
Carbon disulfide	25	U	25	0.95	ug/L			10/25/16 05:16	5
Carbon tetrachloride	25	U	25	1.4	ug/L			10/25/16 05:16	5
Chlorobenzene	25	U	25	3.8	ug/L			10/25/16 05:16	5
Dibromochloromethane	25	U	25	1.6	ug/L			10/25/16 05:16	5
Chloroethane	50	U	50	1.6	ug/L			10/25/16 05:16	5
Chloroform	25	U	25	1.7	ug/L			10/25/16 05:16	5
Chloromethane	50	U	50	1.8	ug/L			10/25/16 05:16	5
cis-1,2-Dichloroethene	25	U	25	4.1	ug/L			10/25/16 05:16	5
Bromodichloromethane	25	U	25	2.0	ug/L			10/25/16 05:16	5
Ethyl ether	**880**	**E**	50	3.6	ug/L			10/25/16 05:16	5
Ethylbenzene	25	U	25	3.7	ug/L			10/25/16 05:16	5
Methylene Chloride	25	U	25	2.2	ug/L			10/25/16 05:16	5
m&p-Xylene	25	U	25	3.3	ug/L			10/25/16 05:16	5
o-Xylene	25	U	25	3.8	ug/L			10/25/16 05:16	5
Tetrachloroethene	25	U	25	1.8	ug/L			10/25/16 05:16	5
Toluene	25	U	25	2.6	ug/L			10/25/16 05:16	5
trans-1,2-Dichloroethene	25	U	25	4.5	ug/L			10/25/16 05:16	5
trans-1,3-Dichloropropene	25	U	25	1.9	ug/L			10/25/16 05:16	5
Trichloroethene	25	U	25	2.3	ug/L			10/25/16 05:16	5
Vinyl chloride	50	U	50	4.5	ug/L			10/25/16 05:16	5
cis-1,3-Dichloropropene	25	U	25	1.8	ug/L			10/25/16 05:16	5
Styrene	25	U	25	3.7	ug/L			10/25/16 05:16	5
3-Methylthiophene	50	U	50	2.7	ug/L			10/25/16 05:16	5

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*10/25/16 05:16*	*5*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*10/25/16 05:16*	*5*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*10/25/16 05:16*	*5*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*10/25/16 05:16*	*5*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/25/16 05:16*	*5*

Client: GHD Services Inc.
Project/Site: Sterling Site 3

TestAmerica Job ID: 480-108247-1

Client Sample ID: WG-007830-102116-BP-011
Date Collected: 10/21/16 08:30
Date Received: 10/22/16 09:00

Lab Sample ID: 480-108247-11
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	100	U	100	16	ug/L			10/25/16 15:32	20
1,1,2,2-Tetrachloroethane	100	U	100	4.2	ug/L			10/25/16 15:32	20
1,1,2-Trichloroethane	100	U	100	4.6	ug/L			10/25/16 15:32	20
1,1-Dichloroethane	100	U	100	7.6	ug/L			10/25/16 15:32	20
1,1-Dichloroethene	100	U	100	5.8	ug/L			10/25/16 15:32	20
1,2-Dichloroethane	100	U	100	4.2	ug/L			10/25/16 15:32	20
1,2-Dichloropropane	100	U	100	14	ug/L			10/25/16 15:32	20
2-Butanone (MEK)	200	U	200	26	ug/L			10/25/16 15:32	20
2-Hexanone	200	U	200	25	ug/L			10/25/16 15:32	20
2-Methylthiophene	200	U	200	8.8	ug/L			10/25/16 15:32	20
4-Methyl-2-pentanone (MIBK)	200	U	200	42	ug/L			10/25/16 15:32	20
Acetone	200	U	200	60	ug/L			10/25/16 15:32	20
Benzene	20	U	20	8.2	ug/L			10/25/16 15:32	20
Bromoform	100	U	100	5.2	ug/L			10/25/16 15:32	20
Bromomethane	200	U	200	14	ug/L			10/25/16 15:32	20
Carbon disulfide	100	U	100	3.8	ug/L			10/25/16 15:32	20
Carbon tetrachloride	100	U	100	5.4	ug/L			10/25/16 15:32	20
Chlorobenzene	100	U	100	15	ug/L			10/25/16 15:32	20
Dibromochloromethane	100	U	100	6.4	ug/L			10/25/16 15:32	20
Chloroethane	200	U	200	6.4	ug/L			10/25/16 15:32	20
Chloroform	100	U	100	6.8	ug/L			10/25/16 15:32	20
Chloromethane	200	U	200	7.0	ug/L			10/25/16 15:32	20
cis-1,2-Dichloroethene	100	U	100	16	ug/L			10/25/16 15:32	20
Bromodichloromethane	100	U	100	7.8	ug/L			10/25/16 15:32	20
Ethyl ether	**1000**	**F1**	200	14	ug/L			10/25/16 15:32	20
Ethylbenzene	100	U	100	15	ug/L			10/25/16 15:32	20
Methylene Chloride	100	U	100	8.8	ug/L			10/25/16 15:32	20
m&p-Xylene	100	U	100	13	ug/L			10/25/16 15:32	20
o-Xylene	100	U	100	15	ug/L			10/25/16 15:32	20
Tetrachloroethene	100	U	100	7.2	ug/L			10/25/16 15:32	20
Toluene	100	U	100	10	ug/L			10/25/16 15:32	20
trans-1,2-Dichloroethene	100	U	100	18	ug/L			10/25/16 15:32	20
trans-1,3-Dichloropropene	100	U	100	7.4	ug/L			10/25/16 15:32	20
Trichloroethene	100	U	100	9.2	ug/L			10/25/16 15:32	20
Vinyl chloride	200	U	200	18	ug/L			10/25/16 15:32	20
cis-1,3-Dichloropropene	100	U	100	7.2	ug/L			10/25/16 15:32	20
Styrene	100	U	100	15	ug/L			10/25/16 15:32	20
3-Methylthiophene	200	U	200	11	ug/L			10/25/16 15:32	20

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*10/25/16 15:32*	*20*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 120*		*10/25/16 15:32*	*20*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*10/25/16 15:32*	*20*
Dibromofluoromethane (Surr)	*110*		*75 - 123*		*10/25/16 15:32*	*20*
Toluene-d8 (Surr)	*98*		*80 - 120*		*10/25/16 15:32*	*20*

Client: GHD Services Inc.
Project/Site: Sterling Site 3

TestAmerica Job ID: 480-108247-1

Client Sample ID: WG-007830-102116-BP-011
Date Collected: 10/21/16 08:30
Date Received: 10/22/16 09:00

Lab Sample ID: 480-108247-11
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	10	U	10	0.45	ug/L		10/24/16 07:42	10/26/16 12:41	1
1,2-Dichlorobenzene	10	U	10	0.41	ug/L		10/24/16 07:42	10/26/16 12:41	1
1,3-Dichlorobenzene	10	U	10	0.49	ug/L		10/24/16 07:42	10/26/16 12:41	1
1,4-Dichlorobenzene	10	U	10	0.47	ug/L		10/24/16 07:42	10/26/16 12:41	1
2,4,5-Trichlorophenol	5.1	U	5.1	0.49	ug/L		10/24/16 07:42	10/26/16 12:41	1
2,4,6-Trichlorophenol	5.1	U	5.1	0.63	ug/L		10/24/16 07:42	10/26/16 12:41	1
2,4-Dichlorophenol	5.1	U	5.1	0.52	ug/L		10/24/16 07:42	10/26/16 12:41	1
2,4-Dimethylphenol	5.1	U	5.1	0.51	ug/L		10/24/16 07:42	10/26/16 12:41	1
2,4-Dinitrophenol	10	U	10	2.3	ug/L		10/24/16 07:42	10/26/16 12:41	1
2,4-Dinitrotoluene	5.1	U	5.1	0.46	ug/L		10/24/16 07:42	10/26/16 12:41	1
2,6-Dinitrotoluene	5.1	U	5.1	0.41	ug/L		10/24/16 07:42	10/26/16 12:41	1
2-Chloronaphthalene	5.1	U	5.1	0.47	ug/L		10/24/16 07:42	10/26/16 12:41	1
2-Chlorophenol	5.1	U	5.1	0.55	ug/L		10/24/16 07:42	10/26/16 12:41	1
2-Methylnaphthalene	5.1	U	5.1	0.62	ug/L		10/24/16 07:42	10/26/16 12:41	1
2-Methylphenol	5.1	U	5.1	0.41	ug/L		10/24/16 07:42	10/26/16 12:41	1
2-Nitroaniline	10	U	10	0.43	ug/L		10/24/16 07:42	10/26/16 12:41	1
2-Nitrophenol	5.1	U	5.1	0.49	ug/L		10/24/16 07:42	10/26/16 12:41	1
3,3'-Dichlorobenzidine	5.1	U	5.1	0.41	ug/L		10/24/16 07:42	10/26/16 12:41	1
3-Nitroaniline	10	U	10	0.49	ug/L		10/24/16 07:42	10/26/16 12:41	1
4,6-Dinitro-2-methylphenol	10	U	10	2.3	ug/L		10/24/16 07:42	10/26/16 12:41	1
4-Bromophenyl phenyl ether	5.1	U	5.1	0.46	ug/L		10/24/16 07:42	10/26/16 12:41	1
4-Chloro-3-methylphenol	5.1	U	5.1	0.46	ug/L		10/24/16 07:42	10/26/16 12:41	1
4-Chloroaniline	5.1	U	5.1	0.61	ug/L		10/24/16 07:42	10/26/16 12:41	1
4-Chlorophenyl phenyl ether	5.1	U	5.1	0.36	ug/L		10/24/16 07:42	10/26/16 12:41	1
4-Methylphenol	10	U	10	0.37	ug/L		10/24/16 07:42	10/26/16 12:41	1
4-Nitroaniline	10	U	10	0.26	ug/L		10/24/16 07:42	10/26/16 12:41	1
4-Nitrophenol	10	U	10	1.6	ug/L		10/24/16 07:42	10/26/16 12:41	1
Acenaphthene	5.1	U	5.1	0.42	ug/L		10/24/16 07:42	10/26/16 12:41	1
Acenaphthylene	5.1	U	5.1	0.39	ug/L		10/24/16 07:42	10/26/16 12:41	1
Anthracene	5.1	U	5.1	0.29	ug/L		10/24/16 07:42	10/26/16 12:41	1
Benzaldehyde	5.1	U	5.1	0.27	ug/L		10/24/16 07:42	10/26/16 12:41	1
Benzo[a]anthracene	5.1	U	5.1	0.37	ug/L		10/24/16 07:42	10/26/16 12:41	1
Benzo[a]pyrene	5.1	U	5.1	0.48	ug/L		10/24/16 07:42	10/26/16 12:41	1
Benzo[b]fluoranthene	5.1	U	5.1	0.35	ug/L		10/24/16 07:42	10/26/16 12:41	1
Benzo[g,h,i]perylene	5.1	U	5.1	0.36	ug/L		10/24/16 07:42	10/26/16 12:41	1
Benzo[k]fluoranthene	5.1	U	5.1	0.75	ug/L		10/24/16 07:42	10/26/16 12:41	1
bis (2-chloroisopropyl) ether	5.1	U	5.1	0.53	ug/L		10/24/16 07:42	10/26/16 12:41	1
Bis(2-chloroethoxy)methane	5.1	U	5.1	0.36	ug/L		10/24/16 07:42	10/26/16 12:41	1
Bis(2-chloroethyl)ether	5.1	U	5.1	0.41	ug/L		10/24/16 07:42	10/26/16 12:41	1
Bis(2-ethylhexyl) phthalate	**2.7**	**J B**	5.1	2.3	ug/L		10/24/16 07:42	10/26/16 12:41	1
Butyl benzyl phthalate	5.1	U	5.1	1.0	ug/L		10/24/16 07:42	10/26/16 12:41	1
Carbazole	5.1	U	5.1	0.31	ug/L		10/24/16 07:42	10/26/16 12:41	1
Chrysene	5.1	U	5.1	0.34	ug/L		10/24/16 07:42	10/26/16 12:41	1
Dibenz(a,h)anthracene	5.1	U	5.1	0.43	ug/L		10/24/16 07:42	10/26/16 12:41	1
Dibenzofuran	10	U	10	0.52	ug/L		10/24/16 07:42	10/26/16 12:41	1
Diethyl phthalate	5.1	U	5.1	0.23	ug/L		10/24/16 07:42	10/26/16 12:41	1
Dimethyl phthalate	5.1	U	5.1	0.37	ug/L		10/24/16 07:42	10/26/16 12:41	1
Di-n-butyl phthalate	5.1	U	5.1	0.32	ug/L		10/24/16 07:42	10/26/16 12:41	1
Di-n-octyl phthalate	5.1	U	5.1	0.48	ug/L		10/24/16 07:42	10/26/16 12:41	1

Client: GHD Services Inc.
Project/Site: Sterling Site 3

TestAmerica Job ID: 480-108247-1

Client Sample ID: WG-007830-102116-BP-011
Date Collected: 10/21/16 08:30
Date Received: 10/22/16 09:00

Lab Sample ID: 480-108247-11
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	5.1	U	5.1	0.41	ug/L		10/24/16 07:42	10/26/16 12:41	1
Fluorene	5.1	U	5.1	0.37	ug/L		10/24/16 07:42	10/26/16 12:41	1
Hexachlorobenzene	5.1	U	5.1	0.52	ug/L		10/24/16 07:42	10/26/16 12:41	1
Hexachlorobutadiene	5.1	U	5.1	0.70	ug/L		10/24/16 07:42	10/26/16 12:41	1
Hexachlorocyclopentadiene	5.1	U	5.1	0.61	ug/L		10/24/16 07:42	10/26/16 12:41	1
Hexachloroethane	5.1	U	5.1	0.61	ug/L		10/24/16 07:42	10/26/16 12:41	1
Indeno[1,2,3-cd]pyrene	5.1	U	5.1	0.48	ug/L		10/24/16 07:42	10/26/16 12:41	1
Isophorone	5.1	U	5.1	0.44	ug/L		10/24/16 07:42	10/26/16 12:41	1
Naphthalene	5.1	U	5.1	0.78	ug/L		10/24/16 07:42	10/26/16 12:41	1
Nitrobenzene	5.1	U	5.1	0.30	ug/L		10/24/16 07:42	10/26/16 12:41	1
N-Nitrosodi-n-propylamine	5.1	U	5.1	0.56	ug/L		10/24/16 07:42	10/26/16 12:41	1
N-Nitrosodiphenylamine	5.1	U	5.1	0.52	ug/L		10/24/16 07:42	10/26/16 12:41	1
Pentachlorophenol	10	U	10	2.3	ug/L		10/24/16 07:42	10/26/16 12:41	1
Phenanthrene	5.1	U	5.1	0.45	ug/L		10/24/16 07:42	10/26/16 12:41	1
Phenol	5.1	U	5.1	0.40	ug/L		10/24/16 07:42	10/26/16 12:41	1
Pyrene	5.1	U	5.1	0.35	ug/L		10/24/16 07:42	10/26/16 12:41	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Triethylamine	*9.2*	*T J N*	*ug/L*		*3.37*	*121-44-8*	*10/24/16 07:42*	*10/26/16 12:41*	*1*
Unknown	*38*	*T J*	*ug/L*		*5.10*		*10/24/16 07:42*	*10/26/16 12:41*	*1*
Unknown	*3.6*	*T J*	*ug/L*		*5.95*		*10/24/16 07:42*	*10/26/16 12:41*	*1*
Cyclotetrasiloxane, octamethyl-	*2.8*	*T J N*	*ug/L*		*6.18*	*556-67-2*	*10/24/16 07:42*	*10/26/16 12:41*	*1*
Unknown	*3.5*	*T J*	*ug/L*		*6.25*		*10/24/16 07:42*	*10/26/16 12:41*	*1*
Benzyl Alcohol	*9.5*	*T J N*	*ug/L*		*6.65*	*100-51-6*	*10/24/16 07:42*	*10/26/16 12:41*	*1*
Cyclopentasiloxane, decamethyl-	*3.8*	*T J N*	*ug/L*		*7.14*	*541-02-6*	*10/24/16 07:42*	*10/26/16 12:41*	*1*
Unknown	*3.3*	*T J*	*ug/L*		*8.03*		*10/24/16 07:42*	*10/26/16 12:41*	*1*
Unknown	*6.4*	*T J*	*ug/L*		*8.43*		*10/24/16 07:42*	*10/26/16 12:41*	*1*
Unknown	*6.1*	*T J*	*ug/L*		*8.60*		*10/24/16 07:42*	*10/26/16 12:41*	*1*
Unknown	*8.0*	*T J*	*ug/L*		*9.06*		*10/24/16 07:42*	*10/26/16 12:41*	*1*
Unknown	*25*	*T J*	*ug/L*		*9.09*		*10/24/16 07:42*	*10/26/16 12:41*	*1*
Unknown	*3.5*	*T J*	*ug/L*		*10.00*		*10/24/16 07:42*	*10/26/16 12:41*	*1*
Talbutal	*27*	*T J N*	*ug/L*		*10.03*	*115-44-6*	*10/24/16 07:42*	*10/26/16 12:41*	*1*
Unknown	*12*	*T J*	*ug/L*		*10.55*		*10/24/16 07:42*	*10/26/16 12:41*	*1*
Mephobarbital	*9.1*	*T J N*	*ug/L*		*10.76*	*115-38-8*	*10/24/16 07:42*	*10/26/16 12:41*	*1*
Phenobarbital	*12*	*T J N*	*ug/L*		*11.00*	*50-06-6*	*10/24/16 07:42*	*10/26/16 12:41*	*1*
Unknown	*25*	*T J*	*ug/L*		*11.04*		*10/24/16 07:42*	*10/26/16 12:41*	*1*
3H-Pyrazol-3-one, 1,2-dihydro-1,5-dimethyl-4-(methylamino)-2	*14*	*T J N*	*ug/L*		*12.40*	*519-98-2*	*10/24/16 07:42*	*10/26/16 12:41*	*1*
Unknown	*5.2*	*T J*	*ug/L*		*13.65*		*10/24/16 07:42*	*10/26/16 12:41*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*91*		*52 - 132*	*10/24/16 07:42*	*10/26/16 12:41*	*1*
2-Fluorobiphenyl	*87*		*48 - 120*	*10/24/16 07:42*	*10/26/16 12:41*	*1*
2-Fluorophenol (Surr)	*72*		*20 - 120*	*10/24/16 07:42*	*10/26/16 12:41*	*1*
Nitrobenzene-d5 (Surr)	*76*		*46 - 120*	*10/24/16 07:42*	*10/26/16 12:41*	*1*
Phenol-d5 (Surr)	*55*		*16 - 120*	*10/24/16 07:42*	*10/26/16 12:41*	*1*
p-Terphenyl-d14 (Surr)	*78*		*67 - 150*	*10/24/16 07:42*	*10/26/16 12:41*	*1*

Client Sample ID: WG-007830-102116-BP-012
Date Collected: 10/21/16 09:30
Date Received: 10/22/16 09:00

Lab Sample ID: 480-108247-12
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.0	U	5.0	0.82	ug/L			10/25/16 05:43	1
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.21	ug/L			10/25/16 05:43	1
1,1,2-Trichloroethane	5.0	U	5.0	0.23	ug/L			10/25/16 05:43	1
1,1-Dichloroethane	5.0	U	5.0	0.38	ug/L			10/25/16 05:43	1
1,1-Dichloroethene	5.0	U	5.0	0.29	ug/L			10/25/16 05:43	1
1,2-Dichloroethane	5.0	U	5.0	0.21	ug/L			10/25/16 05:43	1
1,2-Dichloropropane	5.0	U	5.0	0.72	ug/L			10/25/16 05:43	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			10/25/16 05:43	1
2-Hexanone	10	U	10	1.2	ug/L			10/25/16 05:43	1
2-Methylthiophene	10	U	10	0.44	ug/L			10/25/16 05:43	1
4-Methyl-2-pentanone (MIBK)	10	U	10	2.1	ug/L			10/25/16 05:43	1
Acetone	10	U	10	3.0	ug/L			10/25/16 05:43	1
Benzene	1.0	U	1.0	0.41	ug/L			10/25/16 05:43	1
Bromoform	5.0	U	5.0	0.26	ug/L			10/25/16 05:43	1
Bromomethane	10	U	10	0.69	ug/L			10/25/16 05:43	1
Carbon disulfide	5.0	U	5.0	0.19	ug/L			10/25/16 05:43	1
Carbon tetrachloride	5.0	U	5.0	0.27	ug/L			10/25/16 05:43	1
Chlorobenzene	5.0	U	5.0	0.75	ug/L			10/25/16 05:43	1
Dibromochloromethane	5.0	U	5.0	0.32	ug/L			10/25/16 05:43	1
Chloroethane	10	U	10	0.32	ug/L			10/25/16 05:43	1
Chloroform	5.0	U	5.0	0.34	ug/L			10/25/16 05:43	1
Chloromethane	10	U	10	0.35	ug/L			10/25/16 05:43	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.81	ug/L			10/25/16 05:43	1
Bromodichloromethane	5.0	U	5.0	0.39	ug/L			10/25/16 05:43	1
Ethyl ether	**3.9**	**J**	10	0.72	ug/L			10/25/16 05:43	1
Ethylbenzene	5.0	U	5.0	0.74	ug/L			10/25/16 05:43	1
Methylene Chloride	5.0	U	5.0	0.44	ug/L			10/25/16 05:43	1
m&p-Xylene	5.0	U	5.0	0.66	ug/L			10/25/16 05:43	1
o-Xylene	5.0	U	5.0	0.76	ug/L			10/25/16 05:43	1
Tetrachloroethene	5.0	U	5.0	0.36	ug/L			10/25/16 05:43	1
Toluene	5.0	U	5.0	0.51	ug/L			10/25/16 05:43	1
trans-1,2-Dichloroethene	5.0	U	5.0	0.90	ug/L			10/25/16 05:43	1
trans-1,3-Dichloropropene	5.0	U	5.0	0.37	ug/L			10/25/16 05:43	1
Trichloroethene	5.0	U	5.0	0.46	ug/L			10/25/16 05:43	1
Vinyl chloride	10	U	10	0.90	ug/L			10/25/16 05:43	1
cis-1,3-Dichloropropene	5.0	U	5.0	0.36	ug/L			10/25/16 05:43	1
Styrene	5.0	U	5.0	0.73	ug/L			10/25/16 05:43	1
3-Methylthiophene	10	U	10	0.53	ug/L			10/25/16 05:43	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*10/25/16 05:43*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*10/25/16 05:43*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*10/25/16 05:43*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*10/25/16 05:43*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*10/25/16 05:43*	*1*

Client: GHD Services Inc.
Project/Site: Sterling Site 3

TestAmerica Job ID: 480-108247-1

Client Sample ID: WG-007830-102116-BP-012
Date Collected: 10/21/16 09:30
Date Received: 10/22/16 09:00

Lab Sample ID: 480-108247-12
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	9.7	U	9.7	0.43	ug/L		10/24/16 07:42	10/26/16 13:10	1
1,2-Dichlorobenzene	9.7	U	9.7	0.39	ug/L		10/24/16 07:42	10/26/16 13:10	1
1,3-Dichlorobenzene	9.7	U	9.7	0.46	ug/L		10/24/16 07:42	10/26/16 13:10	1
1,4-Dichlorobenzene	9.7	U	9.7	0.45	ug/L		10/24/16 07:42	10/26/16 13:10	1
2,4,5-Trichlorophenol	4.8	U	4.8	0.46	ug/L		10/24/16 07:42	10/26/16 13:10	1
2,4,6-Trichlorophenol	4.8	U	4.8	0.59	ug/L		10/24/16 07:42	10/26/16 13:10	1
2,4-Dichlorophenol	4.8	U	4.8	0.49	ug/L		10/24/16 07:42	10/26/16 13:10	1
2,4-Dimethylphenol	4.8	U	4.8	0.48	ug/L		10/24/16 07:42	10/26/16 13:10	1
2,4-Dinitrophenol	9.7	U	9.7	2.1	ug/L		10/24/16 07:42	10/26/16 13:10	1
2,4-Dinitrotoluene	4.8	U	4.8	0.43	ug/L		10/24/16 07:42	10/26/16 13:10	1
2,6-Dinitrotoluene	4.8	U	4.8	0.39	ug/L		10/24/16 07:42	10/26/16 13:10	1
2-Chloronaphthalene	4.8	U	4.8	0.45	ug/L		10/24/16 07:42	10/26/16 13:10	1
2-Chlorophenol	4.8	U	4.8	0.51	ug/L		10/24/16 07:42	10/26/16 13:10	1
2-Methylnaphthalene	4.8	U	4.8	0.58	ug/L		10/24/16 07:42	10/26/16 13:10	1
2-Methylphenol	4.8	U	4.8	0.39	ug/L		10/24/16 07:42	10/26/16 13:10	1
2-Nitroaniline	9.7	U	9.7	0.41	ug/L		10/24/16 07:42	10/26/16 13:10	1
2-Nitrophenol	4.8	U	4.8	0.46	ug/L		10/24/16 07:42	10/26/16 13:10	1
3,3'-Dichlorobenzidine	4.8	U	4.8	0.39	ug/L		10/24/16 07:42	10/26/16 13:10	1
3-Nitroaniline	9.7	U	9.7	0.46	ug/L		10/24/16 07:42	10/26/16 13:10	1
4,6-Dinitro-2-methylphenol	9.7	U	9.7	2.1	ug/L		10/24/16 07:42	10/26/16 13:10	1
4-Bromophenyl phenyl ether	4.8	U	4.8	0.44	ug/L		10/24/16 07:42	10/26/16 13:10	1
4-Chloro-3-methylphenol	4.8	U	4.8	0.44	ug/L		10/24/16 07:42	10/26/16 13:10	1
4-Chloroaniline	4.8	U	4.8	0.57	ug/L		10/24/16 07:42	10/26/16 13:10	1
4-Chlorophenyl phenyl ether	4.8	U	4.8	0.34	ug/L		10/24/16 07:42	10/26/16 13:10	1
4-Methylphenol	9.7	U	9.7	0.35	ug/L		10/24/16 07:42	10/26/16 13:10	1
4-Nitroaniline	9.7	U	9.7	0.24	ug/L		10/24/16 07:42	10/26/16 13:10	1
4-Nitrophenol	9.7	U	9.7	1.5	ug/L		10/24/16 07:42	10/26/16 13:10	1
Acenaphthene	4.8	U	4.8	0.40	ug/L		10/24/16 07:42	10/26/16 13:10	1
Acenaphthylene	4.8	U	4.8	0.37	ug/L		10/24/16 07:42	10/26/16 13:10	1
Anthracene	4.8	U	4.8	0.27	ug/L		10/24/16 07:42	10/26/16 13:10	1
Benzaldehyde	4.8	U	4.8	0.26	ug/L		10/24/16 07:42	10/26/16 13:10	1
Benzo[a]anthracene	4.8	U	4.8	0.35	ug/L		10/24/16 07:42	10/26/16 13:10	1
Benzo[a]pyrene	4.8	U	4.8	0.45	ug/L		10/24/16 07:42	10/26/16 13:10	1
Benzo[b]fluoranthene	4.8	U	4.8	0.33	ug/L		10/24/16 07:42	10/26/16 13:10	1
Benzo[g,h,i]perylene	4.8	U	4.8	0.34	ug/L		10/24/16 07:42	10/26/16 13:10	1
Benzo[k]fluoranthene	4.8	U	4.8	0.71	ug/L		10/24/16 07:42	10/26/16 13:10	1
bis (2-chloroisopropyl) ether	4.8	U	4.8	0.50	ug/L		10/24/16 07:42	10/26/16 13:10	1
Bis(2-chloroethoxy)methane	4.8	U	4.8	0.34	ug/L		10/24/16 07:42	10/26/16 13:10	1
Bis(2-chloroethyl)ether	4.8	U	4.8	0.39	ug/L		10/24/16 07:42	10/26/16 13:10	1
Bis(2-ethylhexyl) phthalate	4.8	U	4.8	2.1	ug/L		10/24/16 07:42	10/26/16 13:10	1
Butyl benzyl phthalate	4.8	U	4.8	0.97	ug/L		10/24/16 07:42	10/26/16 13:10	1
Carbazole	4.8	U	4.8	0.29	ug/L		10/24/16 07:42	10/26/16 13:10	1
Chrysene	4.8	U	4.8	0.32	ug/L		10/24/16 07:42	10/26/16 13:10	1
Dibenz(a,h)anthracene	4.8	U	4.8	0.41	ug/L		10/24/16 07:42	10/26/16 13:10	1
Dibenzofuran	9.7	U	9.7	0.49	ug/L		10/24/16 07:42	10/26/16 13:10	1
Diethyl phthalate	4.8	U	4.8	0.21	ug/L		10/24/16 07:42	10/26/16 13:10	1
Dimethyl phthalate	4.8	U	4.8	0.35	ug/L		10/24/16 07:42	10/26/16 13:10	1
Di-n-butyl phthalate	4.8	U	4.8	0.30	ug/L		10/24/16 07:42	10/26/16 13:10	1
Di-n-octyl phthalate	4.8	U	4.8	0.45	ug/L		10/24/16 07:42	10/26/16 13:10	1

Client Sample ID: WG-007830-102116-BP-012
Date Collected: 10/21/16 09:30
Date Received: 10/22/16 09:00

Lab Sample ID: 480-108247-12
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	4.8	U	4.8	0.39	ug/L		10/24/16 07:42	10/26/16 13:10	1
Fluorene	4.8	U	4.8	0.35	ug/L		10/24/16 07:42	10/26/16 13:10	1
Hexachlorobenzene	4.8	U	4.8	0.49	ug/L		10/24/16 07:42	10/26/16 13:10	1
Hexachlorobutadiene	4.8	U	4.8	0.66	ug/L		10/24/16 07:42	10/26/16 13:10	1
Hexachlorocyclopentadiene	4.8	U	4.8	0.57	ug/L		10/24/16 07:42	10/26/16 13:10	1
Hexachloroethane	4.8	U	4.8	0.57	ug/L		10/24/16 07:42	10/26/16 13:10	1
Indeno[1,2,3-cd]pyrene	4.8	U	4.8	0.45	ug/L		10/24/16 07:42	10/26/16 13:10	1
Isophorone	4.8	U	4.8	0.42	ug/L		10/24/16 07:42	10/26/16 13:10	1
Naphthalene	4.8	U	4.8	0.74	ug/L		10/24/16 07:42	10/26/16 13:10	1
Nitrobenzene	4.8	U	4.8	0.28	ug/L		10/24/16 07:42	10/26/16 13:10	1
N-Nitrosodi-n-propylamine	4.8	U	4.8	0.52	ug/L		10/24/16 07:42	10/26/16 13:10	1
N-Nitrosodiphenylamine	4.8	U	4.8	0.49	ug/L		10/24/16 07:42	10/26/16 13:10	1
Pentachlorophenol	9.7	U	9.7	2.1	ug/L		10/24/16 07:42	10/26/16 13:10	1
Phenanthrene	4.8	U	4.8	0.43	ug/L		10/24/16 07:42	10/26/16 13:10	1
Phenol	4.8	U	4.8	0.38	ug/L		10/24/16 07:42	10/26/16 13:10	1
Pyrene	4.8	U	4.8	0.33	ug/L		10/24/16 07:42	10/26/16 13:10	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*2.8*	*T J*	*ug/L*		*3.32*		*10/24/16 07:42*	*10/26/16 13:10*	*1*
Chloroiodomethane	*1.7*	*T J N*	*ug/L*		*3.89*	*593-71-5*	*10/24/16 07:42*	*10/26/16 13:10*	*1*
Unknown	*34*	*T J*	*ug/L*		*5.10*		*10/24/16 07:42*	*10/26/16 13:10*	*1*
Cyclopentasiloxane, decamethyl-	*3.0*	*T J N*	*ug/L*		*7.13*	*541-02-6*	*10/24/16 07:42*	*10/26/16 13:10*	*1*
Unknown	*2.2*	*T J*	*ug/L*		*11.41*		*10/24/16 07:42*	*10/26/16 13:10*	*1*
Erucylamide	*5.6*	*T J N*	*ug/L*		*14.24*	*112-84-5*	*10/24/16 07:42*	*10/26/16 13:10*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*80*		*52 - 132*	*10/24/16 07:42*	*10/26/16 13:10*	*1*
2-Fluorobiphenyl	*87*		*48 - 120*	*10/24/16 07:42*	*10/26/16 13:10*	*1*
2-Fluorophenol (Surr)	*68*		*20 - 120*	*10/24/16 07:42*	*10/26/16 13:10*	*1*
Nitrobenzene-d5 (Surr)	*76*		*46 - 120*	*10/24/16 07:42*	*10/26/16 13:10*	*1*
Phenol-d5 (Surr)	*49*		*16 - 120*	*10/24/16 07:42*	*10/26/16 13:10*	*1*
p-Terphenyl-d14 (Surr)	*69*		*67 - 150*	*10/24/16 07:42*	*10/26/16 13:10*	*1*

Client: GHD Services Inc.
Project/Site: Sterling Site 3

TestAmerica Job ID: 480-108247-1

Client Sample ID: WG-007830-102116-BP-013
Date Collected: 10/21/16 10:30
Date Received: 10/22/16 09:00

Lab Sample ID: 480-108247-13
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.0	U	5.0	0.82	ug/L			10/25/16 06:10	1
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.21	ug/L			10/25/16 06:10	1
1,1,2-Trichloroethane	5.0	U	5.0	0.23	ug/L			10/25/16 06:10	1
1,1-Dichloroethane	5.0	U	5.0	0.38	ug/L			10/25/16 06:10	1
1,1-Dichloroethene	5.0	U	5.0	0.29	ug/L			10/25/16 06:10	1
1,2-Dichloroethane	5.0	U	5.0	0.21	ug/L			10/25/16 06:10	1
1,2-Dichloropropane	5.0	U	5.0	0.72	ug/L			10/25/16 06:10	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			10/25/16 06:10	1
2-Hexanone	10	U	10	1.2	ug/L			10/25/16 06:10	1
2-Methylthiophene	10	U	10	0.44	ug/L			10/25/16 06:10	1
4-Methyl-2-pentanone (MIBK)	10	U	10	2.1	ug/L			10/25/16 06:10	1
Acetone	10	U	10	3.0	ug/L			10/25/16 06:10	1
Benzene	1.0	U	1.0	0.41	ug/L			10/25/16 06:10	1
Bromoform	5.0	U	5.0	0.26	ug/L			10/25/16 06:10	1
Bromomethane	10	U	10	0.69	ug/L			10/25/16 06:10	1
Carbon disulfide	5.0	U	5.0	0.19	ug/L			10/25/16 06:10	1
Carbon tetrachloride	5.0	U	5.0	0.27	ug/L			10/25/16 06:10	1
Chlorobenzene	5.0	U	5.0	0.75	ug/L			10/25/16 06:10	1
Dibromochloromethane	5.0	U	5.0	0.32	ug/L			10/25/16 06:10	1
Chloroethane	10	U	10	0.32	ug/L			10/25/16 06:10	1
Chloroform	5.0	U	5.0	0.34	ug/L			10/25/16 06:10	1
Chloromethane	10	U	10	0.35	ug/L			10/25/16 06:10	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.81	ug/L			10/25/16 06:10	1
Bromodichloromethane	5.0	U	5.0	0.39	ug/L			10/25/16 06:10	1
Ethyl ether	10	U	10	0.72	ug/L			10/25/16 06:10	1
Ethylbenzene	5.0	U	5.0	0.74	ug/L			10/25/16 06:10	1
Methylene Chloride	5.0	U	5.0	0.44	ug/L			10/25/16 06:10	1
m&p-Xylene	5.0	U	5.0	0.66	ug/L			10/25/16 06:10	1
o-Xylene	5.0	U	5.0	0.76	ug/L			10/25/16 06:10	1
Tetrachloroethene	5.0	U	5.0	0.36	ug/L			10/25/16 06:10	1
Toluene	5.0	U	5.0	0.51	ug/L			10/25/16 06:10	1
trans-1,2-Dichloroethene	5.0	U	5.0	0.90	ug/L			10/25/16 06:10	1
trans-1,3-Dichloropropene	5.0	U	5.0	0.37	ug/L			10/25/16 06:10	1
Trichloroethene	5.0	U	5.0	0.46	ug/L			10/25/16 06:10	1
Vinyl chloride	10	U	10	0.90	ug/L			10/25/16 06:10	1
cis-1,3-Dichloropropene	5.0	U	5.0	0.36	ug/L			10/25/16 06:10	1
Styrene	5.0	U	5.0	0.73	ug/L			10/25/16 06:10	1
3-Methylthiophene	10	U	10	0.53	ug/L			10/25/16 06:10	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*10/25/16 06:10*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*77 - 120*		*10/25/16 06:10*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*10/25/16 06:10*	*1*
Dibromofluoromethane (Surr)	*110*		*75 - 123*		*10/25/16 06:10*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*10/25/16 06:10*	*1*

Client: GHD Services Inc.
Project/Site: Sterling Site 3

TestAmerica Job ID: 480-108247-1

Client Sample ID: WG-007830-102116-BP-013
Date Collected: 10/21/16 10:30
Date Received: 10/22/16 09:00

Lab Sample ID: 480-108247-13
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	54	U	54	2.4	ug/L		10/24/16 07:42	10/27/16 12:28	5
1,2-Dichlorobenzene	54	U	54	2.2	ug/L		10/24/16 07:42	10/27/16 12:28	5
1,3-Dichlorobenzene	54	U	54	2.6	ug/L		10/24/16 07:42	10/27/16 12:28	5
1,4-Dichlorobenzene	54	U	54	2.5	ug/L		10/24/16 07:42	10/27/16 12:28	5
2,4,5-Trichlorophenol	27	U	27	2.6	ug/L		10/24/16 07:42	10/27/16 12:28	5
2,4,6-Trichlorophenol	27	U	27	3.3	ug/L		10/24/16 07:42	10/27/16 12:28	5
2,4-Dichlorophenol	27	U	27	2.8	ug/L		10/24/16 07:42	10/27/16 12:28	5
2,4-Dimethylphenol	27	U	27	2.7	ug/L		10/24/16 07:42	10/27/16 12:28	5
2,4-Dinitrophenol	54	U	54	12	ug/L		10/24/16 07:42	10/27/16 12:28	5
2,4-Dinitrotoluene	27	U	27	2.4	ug/L		10/24/16 07:42	10/27/16 12:28	5
2,6-Dinitrotoluene	27	U	27	2.2	ug/L		10/24/16 07:42	10/27/16 12:28	5
2-Chloronaphthalene	27	U	27	2.5	ug/L		10/24/16 07:42	10/27/16 12:28	5
2-Chlorophenol	27	U	27	2.9	ug/L		10/24/16 07:42	10/27/16 12:28	5
2-Methylnaphthalene	27	U	27	3.3	ug/L		10/24/16 07:42	10/27/16 12:28	5
2-Methylphenol	27	U	27	2.2	ug/L		10/24/16 07:42	10/27/16 12:28	5
2-Nitroaniline	54	U	54	2.3	ug/L		10/24/16 07:42	10/27/16 12:28	5
2-Nitrophenol	27	U	27	2.6	ug/L		10/24/16 07:42	10/27/16 12:28	5
3,3'-Dichlorobenzidine	27	U	27	2.2	ug/L		10/24/16 07:42	10/27/16 12:28	5
3-Nitroaniline	54	U	54	2.6	ug/L		10/24/16 07:42	10/27/16 12:28	5
4,6-Dinitro-2-methylphenol	54	U	54	12	ug/L		10/24/16 07:42	10/27/16 12:28	5
4-Bromophenyl phenyl ether	27	U	27	2.4	ug/L		10/24/16 07:42	10/27/16 12:28	5
4-Chloro-3-methylphenol	27	U	27	2.4	ug/L		10/24/16 07:42	10/27/16 12:28	5
4-Chloroaniline	27	U	27	3.2	ug/L		10/24/16 07:42	10/27/16 12:28	5
4-Chlorophenyl phenyl ether	27	U	27	1.9	ug/L		10/24/16 07:42	10/27/16 12:28	5
4-Methylphenol	54	U	54	2.0	ug/L		10/24/16 07:42	10/27/16 12:28	5
4-Nitroaniline	54	U	54	1.4	ug/L		10/24/16 07:42	10/27/16 12:28	5
4-Nitrophenol	54	U	54	8.3	ug/L		10/24/16 07:42	10/27/16 12:28	5
Acenaphthene	27	U	27	2.2	ug/L		10/24/16 07:42	10/27/16 12:28	5
Acenaphthylene	27	U	27	2.1	ug/L		10/24/16 07:42	10/27/16 12:28	5
Anthracene	27	U	27	1.5	ug/L		10/24/16 07:42	10/27/16 12:28	5
Benzaldehyde	27	U	27	1.4	ug/L		10/24/16 07:42	10/27/16 12:28	5
Benzo[a]anthracene	27	U	27	2.0	ug/L		10/24/16 07:42	10/27/16 12:28	5
Benzo[a]pyrene	27	U	27	2.6	ug/L		10/24/16 07:42	10/27/16 12:28	5
Benzo[b]fluoranthene	27	U	27	1.8	ug/L		10/24/16 07:42	10/27/16 12:28	5
Benzo[g,h,i]perylene	27	U	27	1.9	ug/L		10/24/16 07:42	10/27/16 12:28	5
Benzo[k]fluoranthene	27	U	27	4.0	ug/L		10/24/16 07:42	10/27/16 12:28	5
bis (2-chloroisopropyl) ether	27	U	27	2.8	ug/L		10/24/16 07:42	10/27/16 12:28	5
Bis(2-chloroethoxy)methane	27	U	27	1.9	ug/L		10/24/16 07:42	10/27/16 12:28	5
Bis(2-chloroethyl)ether	27	U	27	2.2	ug/L		10/24/16 07:42	10/27/16 12:28	5
Bis(2-ethylhexyl) phthalate	27	U	27	12	ug/L		10/24/16 07:42	10/27/16 12:28	5
Butyl benzyl phthalate	27	U	27	5.4	ug/L		10/24/16 07:42	10/27/16 12:28	5
Carbazole	27	U	27	1.6	ug/L		10/24/16 07:42	10/27/16 12:28	5
Chrysene	27	U	27	1.8	ug/L		10/24/16 07:42	10/27/16 12:28	5
Dibenz(a,h)anthracene	27	U	27	2.3	ug/L		10/24/16 07:42	10/27/16 12:28	5
Dibenzofuran	54	U	54	2.8	ug/L		10/24/16 07:42	10/27/16 12:28	5
Diethyl phthalate	27	U	27	1.2	ug/L		10/24/16 07:42	10/27/16 12:28	5
Dimethyl phthalate	27	U	27	2.0	ug/L		10/24/16 07:42	10/27/16 12:28	5
Di-n-butyl phthalate	27	U	27	1.7	ug/L		10/24/16 07:42	10/27/16 12:28	5
Di-n-octyl phthalate	27	U	27	2.6	ug/L		10/24/16 07:42	10/27/16 12:28	5

Client: GHD Services Inc.
Project/Site: Sterling Site 3

TestAmerica Job ID: 480-108247-1

Client Sample ID: WG-007830-102116-BP-013
Date Collected: 10/21/16 10:30
Date Received: 10/22/16 09:00

Lab Sample ID: 480-108247-13
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	27	U	27	2.2	ug/L		10/24/16 07:42	10/27/16 12:28	5
Fluorene	27	U	27	2.0	ug/L		10/24/16 07:42	10/27/16 12:28	5
Hexachlorobenzene	27	U	27	2.8	ug/L		10/24/16 07:42	10/27/16 12:28	5
Hexachlorobutadiene	27	U	27	3.7	ug/L		10/24/16 07:42	10/27/16 12:28	5
Hexachlorocyclopentadiene	27	U	27	3.2	ug/L		10/24/16 07:42	10/27/16 12:28	5
Hexachloroethane	27	U	27	3.2	ug/L		10/24/16 07:42	10/27/16 12:28	5
Indeno[1,2,3-cd]pyrene	27	U	27	2.6	ug/L		10/24/16 07:42	10/27/16 12:28	5
Isophorone	27	U	27	2.3	ug/L		10/24/16 07:42	10/27/16 12:28	5
Naphthalene	27	U	27	4.1	ug/L		10/24/16 07:42	10/27/16 12:28	5
Nitrobenzene	27	U	27	1.6	ug/L		10/24/16 07:42	10/27/16 12:28	5
N-Nitrosodi-n-propylamine	27	U	27	2.9	ug/L		10/24/16 07:42	10/27/16 12:28	5
N-Nitrosodiphenylamine	27	U	27	2.8	ug/L		10/24/16 07:42	10/27/16 12:28	5
Pentachlorophenol	54	U	54	12	ug/L		10/24/16 07:42	10/27/16 12:28	5
Phenanthrene	27	U	27	2.4	ug/L		10/24/16 07:42	10/27/16 12:28	5
Phenol	27	U	27	2.1	ug/L		10/24/16 07:42	10/27/16 12:28	5
Pyrene	27	U	27	1.8	ug/L		10/24/16 07:42	10/27/16 12:28	5

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*28*	*T J*	*ug/L*		*5.08*		*10/24/16 07:42*	*10/27/16 12:28*	*5*
Unknown	*9.9*	*T J*	*ug/L*		*7.13*		*10/24/16 07:42*	*10/27/16 12:28*	*5*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*71*		*52 - 132*	*10/24/16 07:42*	*10/27/16 12:28*	*5*
2-Fluorobiphenyl	*90*		*48 - 120*	*10/24/16 07:42*	*10/27/16 12:28*	*5*
2-Fluorophenol (Surr)	*70*		*20 - 120*	*10/24/16 07:42*	*10/27/16 12:28*	*5*
Nitrobenzene-d5 (Surr)	*77*		*46 - 120*	*10/24/16 07:42*	*10/27/16 12:28*	*5*
Phenol-d5 (Surr)	*52*		*16 - 120*	*10/24/16 07:42*	*10/27/16 12:28*	*5*
p-Terphenyl-d14 (Surr)	*74*		*67 - 150*	*10/24/16 07:42*	*10/27/16 12:28*	*5*

Client: GHD Services Inc.
Project/Site: Sterling Site 3

TestAmerica Job ID: 480-108247-1

Client Sample ID: WG-007830-102116-BP-014
Date Collected: 10/21/16 11:00
Date Received: 10/22/16 09:00

Lab Sample ID: 480-108247-14
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.0	U	5.0	0.82	ug/L			10/25/16 17:46	1
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.21	ug/L			10/25/16 17:46	1
1,1,2-Trichloroethane	5.0	U	5.0	0.23	ug/L			10/25/16 17:46	1
1,1-Dichloroethane	5.0	U	5.0	0.38	ug/L			10/25/16 17:46	1
1,1-Dichloroethene	5.0	U	5.0	0.29	ug/L			10/25/16 17:46	1
1,2-Dichloroethane	5.0	U	5.0	0.21	ug/L			10/25/16 17:46	1
1,2-Dichloropropane	5.0	U	5.0	0.72	ug/L			10/25/16 17:46	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			10/25/16 17:46	1
2-Hexanone	10	U	10	1.2	ug/L			10/25/16 17:46	1
2-Methylthiophene	10	U	10	0.44	ug/L			10/25/16 17:46	1
4-Methyl-2-pentanone (MIBK)	10	U	10	2.1	ug/L			10/25/16 17:46	1
Acetone	10	U	10	3.0	ug/L			10/25/16 17:46	1
Benzene	1.0	U	1.0	0.41	ug/L			10/25/16 17:46	1
Bromoform	5.0	U	5.0	0.26	ug/L			10/25/16 17:46	1
Bromomethane	10	U	10	0.69	ug/L			10/25/16 17:46	1
Carbon disulfide	5.0	U	5.0	0.19	ug/L			10/25/16 17:46	1
Carbon tetrachloride	5.0	U	5.0	0.27	ug/L			10/25/16 17:46	1
Chlorobenzene	5.0	U	5.0	0.75	ug/L			10/25/16 17:46	1
Dibromochloromethane	5.0	U	5.0	0.32	ug/L			10/25/16 17:46	1
Chloroethane	10	U	10	0.32	ug/L			10/25/16 17:46	1
Chloroform	5.0	U	5.0	0.34	ug/L			10/25/16 17:46	1
Chloromethane	10	U	10	0.35	ug/L			10/25/16 17:46	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.81	ug/L			10/25/16 17:46	1
Bromodichloromethane	5.0	U	5.0	0.39	ug/L			10/25/16 17:46	1
Ethyl ether	**0.74**	**J**	10	0.72	ug/L			10/25/16 17:46	1
Ethylbenzene	5.0	U	5.0	0.74	ug/L			10/25/16 17:46	1
Methylene Chloride	5.0	U	5.0	0.44	ug/L			10/25/16 17:46	1
m&p-Xylene	5.0	U	5.0	0.66	ug/L			10/25/16 17:46	1
o-Xylene	5.0	U	5.0	0.76	ug/L			10/25/16 17:46	1
Tetrachloroethene	5.0	U	5.0	0.36	ug/L			10/25/16 17:46	1
Toluene	5.0	U	5.0	0.51	ug/L			10/25/16 17:46	1
trans-1,2-Dichloroethene	5.0	U	5.0	0.90	ug/L			10/25/16 17:46	1
trans-1,3-Dichloropropene	5.0	U	5.0	0.37	ug/L			10/25/16 17:46	1
Trichloroethene	5.0	U	5.0	0.46	ug/L			10/25/16 17:46	1
Vinyl chloride	10	U	10	0.90	ug/L			10/25/16 17:46	1
cis-1,3-Dichloropropene	5.0	U	5.0	0.36	ug/L			10/25/16 17:46	1
Styrene	5.0	U	5.0	0.73	ug/L			10/25/16 17:46	1
3-Methylthiophene	10	U	10	0.53	ug/L			10/25/16 17:46	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*10/25/16 17:46*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*77 - 120*		*10/25/16 17:46*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*10/25/16 17:46*	*1*
Dibromofluoromethane (Surr)	*116*		*75 - 123*		*10/25/16 17:46*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*10/25/16 17:46*	*1*

Client: GHD Services Inc.
Project/Site: Sterling Site 3

TestAmerica Job ID: 480-108247-1

Client Sample ID: WG-007830-102116-BP-014
Date Collected: 10/21/16 11:00
Date Received: 10/22/16 09:00

Lab Sample ID: 480-108247-14
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	9.6	U	9.6	0.42	ug/L		10/24/16 07:42	10/26/16 14:09	1
1,2-Dichlorobenzene	9.6	U	9.6	0.39	ug/L		10/24/16 07:42	10/26/16 14:09	1
1,3-Dichlorobenzene	9.6	U	9.6	0.46	ug/L		10/24/16 07:42	10/26/16 14:09	1
1,4-Dichlorobenzene	9.6	U	9.6	0.44	ug/L		10/24/16 07:42	10/26/16 14:09	1
2,4,5-Trichlorophenol	4.8	U	4.8	0.46	ug/L		10/24/16 07:42	10/26/16 14:09	1
2,4,6-Trichlorophenol	4.8	U	4.8	0.59	ug/L		10/24/16 07:42	10/26/16 14:09	1
2,4-Dichlorophenol	4.8	U	4.8	0.49	ug/L		10/24/16 07:42	10/26/16 14:09	1
2,4-Dimethylphenol	4.8	U	4.8	0.48	ug/L		10/24/16 07:42	10/26/16 14:09	1
2,4-Dinitrophenol	9.6	U	9.6	2.1	ug/L		10/24/16 07:42	10/26/16 14:09	1
2,4-Dinitrotoluene	4.8	U	4.8	0.43	ug/L		10/24/16 07:42	10/26/16 14:09	1
2,6-Dinitrotoluene	4.8	U	4.8	0.39	ug/L		10/24/16 07:42	10/26/16 14:09	1
2-Chloronaphthalene	4.8	U	4.8	0.44	ug/L		10/24/16 07:42	10/26/16 14:09	1
2-Chlorophenol	4.8	U	4.8	0.51	ug/L		10/24/16 07:42	10/26/16 14:09	1
2-Methylnaphthalene	4.8	U	4.8	0.58	ug/L		10/24/16 07:42	10/26/16 14:09	1
2-Methylphenol	4.8	U	4.8	0.39	ug/L		10/24/16 07:42	10/26/16 14:09	1
2-Nitroaniline	9.6	U	9.6	0.41	ug/L		10/24/16 07:42	10/26/16 14:09	1
2-Nitrophenol	4.8	U	4.8	0.46	ug/L		10/24/16 07:42	10/26/16 14:09	1
3,3'-Dichlorobenzidine	4.8	U	4.8	0.39	ug/L		10/24/16 07:42	10/26/16 14:09	1
3-Nitroaniline	9.6	U	9.6	0.46	ug/L		10/24/16 07:42	10/26/16 14:09	1
4,6-Dinitro-2-methylphenol	9.6	U	9.6	2.1	ug/L		10/24/16 07:42	10/26/16 14:09	1
4-Bromophenyl phenyl ether	4.8	U	4.8	0.43	ug/L		10/24/16 07:42	10/26/16 14:09	1
4-Chloro-3-methylphenol	4.8	U	4.8	0.43	ug/L		10/24/16 07:42	10/26/16 14:09	1
4-Chloroaniline	4.8	U	4.8	0.57	ug/L		10/24/16 07:42	10/26/16 14:09	1
4-Chlorophenyl phenyl ether	4.8	U	4.8	0.34	ug/L		10/24/16 07:42	10/26/16 14:09	1
4-Methylphenol	9.6	U	9.6	0.35	ug/L		10/24/16 07:42	10/26/16 14:09	1
4-Nitroaniline	9.6	U	9.6	0.24	ug/L		10/24/16 07:42	10/26/16 14:09	1
4-Nitrophenol	9.6	U	9.6	1.5	ug/L		10/24/16 07:42	10/26/16 14:09	1
Acenaphthene	4.8	U	4.8	0.40	ug/L		10/24/16 07:42	10/26/16 14:09	1
Acenaphthylene	4.8	U	4.8	0.37	ug/L		10/24/16 07:42	10/26/16 14:09	1
Anthracene	4.8	U	4.8	0.27	ug/L		10/24/16 07:42	10/26/16 14:09	1
Benzaldehyde	4.8	U	4.8	0.26	ug/L		10/24/16 07:42	10/26/16 14:09	1
Benzo[a]anthracene	4.8	U	4.8	0.35	ug/L		10/24/16 07:42	10/26/16 14:09	1
Benzo[a]pyrene	4.8	U	4.8	0.45	ug/L		10/24/16 07:42	10/26/16 14:09	1
Benzo[b]fluoranthene	4.8	U	4.8	0.33	ug/L		10/24/16 07:42	10/26/16 14:09	1
Benzo[g,h,i]perylene	4.8	U	4.8	0.34	ug/L		10/24/16 07:42	10/26/16 14:09	1
Benzo[k]fluoranthene	4.8	U	4.8	0.70	ug/L		10/24/16 07:42	10/26/16 14:09	1
bis (2-chloroisopropyl) ether	4.8	U	4.8	0.50	ug/L		10/24/16 07:42	10/26/16 14:09	1
Bis(2-chloroethoxy)methane	4.8	U	4.8	0.34	ug/L		10/24/16 07:42	10/26/16 14:09	1
Bis(2-chloroethyl)ether	4.8	U	4.8	0.39	ug/L		10/24/16 07:42	10/26/16 14:09	1
Bis(2-ethylhexyl) phthalate	4.8	U	4.8	2.1	ug/L		10/24/16 07:42	10/26/16 14:09	1
Butyl benzyl phthalate	4.8	U	4.8	0.96	ug/L		10/24/16 07:42	10/26/16 14:09	1
Carbazole	4.8	U	4.8	0.29	ug/L		10/24/16 07:42	10/26/16 14:09	1
Chrysene	4.8	U	4.8	0.32	ug/L		10/24/16 07:42	10/26/16 14:09	1
Dibenz(a,h)anthracene	4.8	U	4.8	0.41	ug/L		10/24/16 07:42	10/26/16 14:09	1
Dibenzofuran	9.6	U	9.6	0.49	ug/L		10/24/16 07:42	10/26/16 14:09	1
Diethyl phthalate	4.8	U	4.8	0.21	ug/L		10/24/16 07:42	10/26/16 14:09	1
Dimethyl phthalate	4.8	U	4.8	0.35	ug/L		10/24/16 07:42	10/26/16 14:09	1
Di-n-butyl phthalate	4.8	U	4.8	0.30	ug/L		10/24/16 07:42	10/26/16 14:09	1
Di-n-octyl phthalate	4.8	U	4.8	0.45	ug/L		10/24/16 07:42	10/26/16 14:09	1

Client Sample ID: WG-007830-102116-BP-014 — **Lab Sample ID: 480-108247-14**
Date Collected: 10/21/16 11:00 — **Matrix: Water**
Date Received: 10/22/16 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	4.8	U	4.8	0.39	ug/L		10/24/16 07:42	10/26/16 14:09	1
Fluorene	4.8	U	4.8	0.35	ug/L		10/24/16 07:42	10/26/16 14:09	1
Hexachlorobenzene	4.8	U	4.8	0.49	ug/L		10/24/16 07:42	10/26/16 14:09	1
Hexachlorobutadiene	4.8	U	4.8	0.66	ug/L		10/24/16 07:42	10/26/16 14:09	1
Hexachlorocyclopentadiene	4.8	U	4.8	0.57	ug/L		10/24/16 07:42	10/26/16 14:09	1
Hexachloroethane	4.8	U	4.8	0.57	ug/L		10/24/16 07:42	10/26/16 14:09	1
Indeno[1,2,3-cd]pyrene	4.8	U	4.8	0.45	ug/L		10/24/16 07:42	10/26/16 14:09	1
Isophorone	4.8	U	4.8	0.41	ug/L		10/24/16 07:42	10/26/16 14:09	1
Naphthalene	4.8	U	4.8	0.73	ug/L		10/24/16 07:42	10/26/16 14:09	1
Nitrobenzene	4.8	U	4.8	0.28	ug/L		10/24/16 07:42	10/26/16 14:09	1
N-Nitrosodi-n-propylamine	4.8	U	4.8	0.52	ug/L		10/24/16 07:42	10/26/16 14:09	1
N-Nitrosodiphenylamine	4.8	U	4.8	0.49	ug/L		10/24/16 07:42	10/26/16 14:09	1
Pentachlorophenol	9.6	U	9.6	2.1	ug/L		10/24/16 07:42	10/26/16 14:09	1
Phenanthrene	4.8	U	4.8	0.42	ug/L		10/24/16 07:42	10/26/16 14:09	1
Phenol	4.8	U	4.8	0.38	ug/L		10/24/16 07:42	10/26/16 14:09	1
Pyrene	4.8	U	4.8	0.33	ug/L		10/24/16 07:42	10/26/16 14:09	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*34*	*T J*	*ug/L*		*5.10*		*10/24/16 07:42*	*10/26/16 14:09*	*1*
Cyclotetrasiloxane, octamethyl-	*2.6*	*T J N*	*ug/L*		*6.18*	*556-67-2*	*10/24/16 07:42*	*10/26/16 14:09*	*1*
Cyclopentasiloxane, decamethyl-	*3.6*	*T J N*	*ug/L*		*7.14*	*541-02-6*	*10/24/16 07:42*	*10/26/16 14:09*	*1*
Cyclohexasiloxane, dodecamethyl-	*2.0*	*T J N*	*ug/L*		*8.02*	*540-97-6*	*10/24/16 07:42*	*10/26/16 14:09*	*1*
Unknown	*2.0*	*T J*	*ug/L*		*10.76*		*10/24/16 07:42*	*10/26/16 14:09*	*1*
2-Methyl-7-nonadecene	*2.7*	*T J N*	*ug/L*		*11.25*	*1000113-62-8*	*10/24/16 07:42*	*10/26/16 14:09*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*85*		*52 - 132*	*10/24/16 07:42*	*10/26/16 14:09*	*1*
2-Fluorobiphenyl	*87*		*48 - 120*	*10/24/16 07:42*	*10/26/16 14:09*	*1*
2-Fluorophenol (Surr)	*71*		*20 - 120*	*10/24/16 07:42*	*10/26/16 14:09*	*1*
Nitrobenzene-d5 (Surr)	*77*		*46 - 120*	*10/24/16 07:42*	*10/26/16 14:09*	*1*
Phenol-d5 (Surr)	*52*		*16 - 120*	*10/24/16 07:42*	*10/26/16 14:09*	*1*
p-Terphenyl-d14 (Surr)	*80*		*67 - 150*	*10/24/16 07:42*	*10/26/16 14:09*	*1*

Client Sample ID: WG-007830-102116-BP-015

Lab Sample ID: 480-108247-15

Date Collected: 10/21/16 12:00

Matrix: Water

Date Received: 10/22/16 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.0	U	5.0	0.82	ug/L			10/26/16 02:08	1
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.21	ug/L			10/26/16 02:08	1
1,1,2-Trichloroethane	5.0	U	5.0	0.23	ug/L			10/26/16 02:08	1
1,1-Dichloroethane	5.0	U	5.0	0.38	ug/L			10/26/16 02:08	1
1,1-Dichloroethene	5.0	U	5.0	0.29	ug/L			10/26/16 02:08	1
1,2-Dichloroethane	5.0	U	5.0	0.21	ug/L			10/26/16 02:08	1
1,2-Dichloropropane	5.0	U	5.0	0.72	ug/L			10/26/16 02:08	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			10/26/16 02:08	1
2-Hexanone	10	U	10	1.2	ug/L			10/26/16 02:08	1
2-Methylthiophene	10	U	10	0.44	ug/L			10/26/16 02:08	1
4-Methyl-2-pentanone (MIBK)	10	U	10	2.1	ug/L			10/26/16 02:08	1
Acetone	10	U	10	3.0	ug/L			10/26/16 02:08	1
Benzene	**280**	**E**	1.0	0.41	ug/L			10/26/16 02:08	1
Bromoform	5.0	U	5.0	0.26	ug/L			10/26/16 02:08	1
Bromomethane	10	U	10	0.69	ug/L			10/26/16 02:08	1
Carbon disulfide	5.0	U	5.0	0.19	ug/L			10/26/16 02:08	1
Carbon tetrachloride	5.0	U	5.0	0.27	ug/L			10/26/16 02:08	1
Chlorobenzene	**670**	**E**	5.0	0.75	ug/L			10/26/16 02:08	1
Dibromochloromethane	5.0	U	5.0	0.32	ug/L			10/26/16 02:08	1
Chloroethane	10	U	10	0.32	ug/L			10/26/16 02:08	1
Chloroform	5.0	U	5.0	0.34	ug/L			10/26/16 02:08	1
Chloromethane	**0.43**	**J**	10	0.35	ug/L			10/26/16 02:08	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.81	ug/L			10/26/16 02:08	1
Bromodichloromethane	5.0	U	5.0	0.39	ug/L			10/26/16 02:08	1
Ethyl ether	**41**		10	0.72	ug/L			10/26/16 02:08	1
Ethylbenzene	**5.3**		5.0	0.74	ug/L			10/26/16 02:08	1
Methylene Chloride	5.0	U	5.0	0.44	ug/L			10/26/16 02:08	1
m&p-Xylene	**9.8**		5.0	0.66	ug/L			10/26/16 02:08	1
o-Xylene	5.0	U	5.0	0.76	ug/L			10/26/16 02:08	1
Tetrachloroethene	5.0	U	5.0	0.36	ug/L			10/26/16 02:08	1
Toluene	**1.7**	**J**	5.0	0.51	ug/L			10/26/16 02:08	1
trans-1,2-Dichloroethene	5.0	U	5.0	0.90	ug/L			10/26/16 02:08	1
trans-1,3-Dichloropropene	5.0	U	5.0	0.37	ug/L			10/26/16 02:08	1
Trichloroethene	5.0	U	5.0	0.46	ug/L			10/26/16 02:08	1
Vinyl chloride	10	U	10	0.90	ug/L			10/26/16 02:08	1
cis-1,3-Dichloropropene	5.0	U	5.0	0.36	ug/L			10/26/16 02:08	1
Styrene	5.0	U	5.0	0.73	ug/L			10/26/16 02:08	1
3-Methylthiophene	**0.58**	**J**	10	0.53	ug/L			10/26/16 02:08	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Methane, diethoxy-	*8.2*	*T J N*	*ug/L*		*5.35*	*462-95-3*		*10/26/16 02:08*	*1*
Benzene, (ethoxymethyl)-	*10*	*T J N*	*ug/L*		*11.38*	*539-30-0*		*10/26/16 02:08*	*1*
Naphthalene, 2-ethenyl-	*12*	*T J N*	*ug/L*		*14.39*	*827-54-3*		*10/26/16 02:08*	*1*
Diphenyl ether	*130*	*T J N*	*ug/L*		*14.50*	*101-84-8*		*10/26/16 02:08*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*		*10/26/16 02:08*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*10/26/16 02:08*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*10/26/16 02:08*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*10/26/16 02:08*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	130	U	130	21	ug/L			10/26/16 14:05	25
1,1,2,2-Tetrachloroethane	130	U	130	5.3	ug/L			10/26/16 14:05	25
1,1,2-Trichloroethane	130	U	130	5.8	ug/L			10/26/16 14:05	25
1,1-Dichloroethane	130	U	130	9.5	ug/L			10/26/16 14:05	25
1,1-Dichloroethene	130	U	130	7.3	ug/L			10/26/16 14:05	25
1,2-Dichloroethane	130	U	130	5.3	ug/L			10/26/16 14:05	25
1,2-Dichloropropane	130	U	130	18	ug/L			10/26/16 14:05	25
2-Butanone (MEK)	250	U	250	33	ug/L			10/26/16 14:05	25
2-Hexanone	250	U	250	31	ug/L			10/26/16 14:05	25
2-Methylthiophene	250	U	250	11	ug/L			10/26/16 14:05	25
4-Methyl-2-pentanone (MIBK)	250	U	250	53	ug/L			10/26/16 14:05	25
Acetone	250	U	250	75	ug/L			10/26/16 14:05	25
Benzene	**400**		25	10	ug/L			10/26/16 14:05	25
Bromoform	130	U	130	6.5	ug/L			10/26/16 14:05	25
Bromomethane	250	U	250	17	ug/L			10/26/16 14:05	25
Carbon disulfide	130	U	130	4.8	ug/L			10/26/16 14:05	25
Carbon tetrachloride	130	U	130	6.8	ug/L			10/26/16 14:05	25
Chlorobenzene	**1700**	**F1**	130	19	ug/L			10/26/16 14:05	25
Dibromochloromethane	130	U	130	8.0	ug/L			10/26/16 14:05	25
Chloroethane	250	U	250	8.0	ug/L			10/26/16 14:05	25
Chloroform	130	U	130	8.5	ug/L			10/26/16 14:05	25
Chloromethane	250	U	250	8.8	ug/L			10/26/16 14:05	25
cis-1,2-Dichloroethene	130	U	130	20	ug/L			10/26/16 14:05	25
Bromodichloromethane	130	U	130	9.8	ug/L			10/26/16 14:05	25
Ethyl ether	**45**	**J**	250	18	ug/L			10/26/16 14:05	25
Ethylbenzene	130	U	130	19	ug/L			10/26/16 14:05	25
Methylene Chloride	130	U	130	11	ug/L			10/26/16 14:05	25
m&p-Xylene	130	U	130	17	ug/L			10/26/16 14:05	25
o-Xylene	130	U	130	19	ug/L			10/26/16 14:05	25
Tetrachloroethene	130	U	130	9.0	ug/L			10/26/16 14:05	25
Toluene	130	U	130	13	ug/L			10/26/16 14:05	25
trans-1,2-Dichloroethene	130	U	130	23	ug/L			10/26/16 14:05	25
trans-1,3-Dichloropropene	130	U	130	9.3	ug/L			10/26/16 14:05	25
Trichloroethene	130	U	130	12	ug/L			10/26/16 14:05	25
Vinyl chloride	250	U	250	23	ug/L			10/26/16 14:05	25
cis-1,3-Dichloropropene	130	U	130	9.0	ug/L			10/26/16 14:05	25
Styrene	130	U	130	18	ug/L			10/26/16 14:05	25
3-Methylthiophene	250	U	250	13	ug/L			10/26/16 14:05	25

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*10/26/16 14:05*	*25*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 120*		*10/26/16 14:05*	*25*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*10/26/16 14:05*	*25*
Dibromofluoromethane (Surr)	*111*		*75 - 123*		*10/26/16 14:05*	*25*
Toluene-d8 (Surr)	*98*		*80 - 120*		*10/26/16 14:05*	*25*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	96	U	96	4.2	ug/L		10/24/16 07:42	10/26/16 14:38	10
1,2-Dichlorobenzene	96	U	96	3.8	ug/L		10/24/16 07:42	10/26/16 14:38	10
1,3-Dichlorobenzene	96	U	96	4.6	ug/L		10/24/16 07:42	10/26/16 14:38	10
1,4-Dichlorobenzene	96	U	96	4.4	ug/L		10/24/16 07:42	10/26/16 14:38	10

Client Sample ID: WG-007830-102116-BP-015
Date Collected: 10/21/16 12:00
Date Received: 10/22/16 09:00

Lab Sample ID: 480-108247-15
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	48	U	48	4.6	ug/L		10/24/16 07:42	10/26/16 14:38	10
2,4,6-Trichlorophenol	48	U	48	5.9	ug/L		10/24/16 07:42	10/26/16 14:38	10
2,4-Dichlorophenol	48	U	48	4.9	ug/L		10/24/16 07:42	10/26/16 14:38	10
2,4-Dimethylphenol	48	U	48	4.8	ug/L		10/24/16 07:42	10/26/16 14:38	10
2,4-Dinitrophenol	96	U	96	21	ug/L		10/24/16 07:42	10/26/16 14:38	10
2,4-Dinitrotoluene	48	U	48	4.3	ug/L		10/24/16 07:42	10/26/16 14:38	10
2,6-Dinitrotoluene	48	U	48	3.8	ug/L		10/24/16 07:42	10/26/16 14:38	10
2-Chloronaphthalene	48	U	48	4.4	ug/L		10/24/16 07:42	10/26/16 14:38	10
2-Chlorophenol	48	U	48	5.1	ug/L		10/24/16 07:42	10/26/16 14:38	10
2-Methylnaphthalene	48	U	48	5.8	ug/L		10/24/16 07:42	10/26/16 14:38	10
2-Methylphenol	48	U	48	3.8	ug/L		10/24/16 07:42	10/26/16 14:38	10
2-Nitroaniline	96	U	96	4.0	ug/L		10/24/16 07:42	10/26/16 14:38	10
2-Nitrophenol	48	U	48	4.6	ug/L		10/24/16 07:42	10/26/16 14:38	10
3,3'-Dichlorobenzidine	48	U	48	3.8	ug/L		10/24/16 07:42	10/26/16 14:38	10
3-Nitroaniline	96	U	96	4.6	ug/L		10/24/16 07:42	10/26/16 14:38	10
4,6-Dinitro-2-methylphenol	96	U	96	21	ug/L		10/24/16 07:42	10/26/16 14:38	10
4-Bromophenyl phenyl ether	48	U	48	4.3	ug/L		10/24/16 07:42	10/26/16 14:38	10
4-Chloro-3-methylphenol	48	U	48	4.3	ug/L		10/24/16 07:42	10/26/16 14:38	10
4-Chloroaniline	**46**	**J**	48	5.7	ug/L		10/24/16 07:42	10/26/16 14:38	10
4-Chlorophenyl phenyl ether	48	U	48	3.4	ug/L		10/24/16 07:42	10/26/16 14:38	10
4-Methylphenol	96	U	96	3.5	ug/L		10/24/16 07:42	10/26/16 14:38	10
4-Nitroaniline	96	U	96	2.4	ug/L		10/24/16 07:42	10/26/16 14:38	10
4-Nitrophenol	96	U	96	15	ug/L		10/24/16 07:42	10/26/16 14:38	10
Acenaphthene	48	U	48	3.9	ug/L		10/24/16 07:42	10/26/16 14:38	10
Acenaphthylene	48	U	48	3.6	ug/L		10/24/16 07:42	10/26/16 14:38	10
Anthracene	48	U	48	2.7	ug/L		10/24/16 07:42	10/26/16 14:38	10
Benzaldehyde	48	U	48	2.6	ug/L		10/24/16 07:42	10/26/16 14:38	10
Benzo[a]anthracene	48	U	48	3.5	ug/L		10/24/16 07:42	10/26/16 14:38	10
Benzo[a]pyrene	48	U	48	4.5	ug/L		10/24/16 07:42	10/26/16 14:38	10
Benzo[b]fluoranthene	48	U	48	3.3	ug/L		10/24/16 07:42	10/26/16 14:38	10
Benzo[g,h,i]perylene	48	U	48	3.4	ug/L		10/24/16 07:42	10/26/16 14:38	10
Benzo[k]fluoranthene	48	U	48	7.0	ug/L		10/24/16 07:42	10/26/16 14:38	10
bis (2-chloroisopropyl) ether	48	U	48	5.0	ug/L		10/24/16 07:42	10/26/16 14:38	10
Bis(2-chloroethoxy)methane	48	U	48	3.4	ug/L		10/24/16 07:42	10/26/16 14:38	10
Bis(2-chloroethyl)ether	48	U	48	3.8	ug/L		10/24/16 07:42	10/26/16 14:38	10
Bis(2-ethylhexyl) phthalate	48	U	48	21	ug/L		10/24/16 07:42	10/26/16 14:38	10
Butyl benzyl phthalate	48	U	48	9.6	ug/L		10/24/16 07:42	10/26/16 14:38	10
Carbazole	48	U	48	2.9	ug/L		10/24/16 07:42	10/26/16 14:38	10
Chrysene	48	U	48	3.2	ug/L		10/24/16 07:42	10/26/16 14:38	10
Dibenz(a,h)anthracene	48	U	48	4.0	ug/L		10/24/16 07:42	10/26/16 14:38	10
Dibenzofuran	96	U	96	4.9	ug/L		10/24/16 07:42	10/26/16 14:38	10
Diethyl phthalate	48	U	48	2.1	ug/L		10/24/16 07:42	10/26/16 14:38	10
Dimethyl phthalate	48	U	48	3.5	ug/L		10/24/16 07:42	10/26/16 14:38	10
Di-n-butyl phthalate	48	U	48	3.0	ug/L		10/24/16 07:42	10/26/16 14:38	10
Di-n-octyl phthalate	48	U	48	4.5	ug/L		10/24/16 07:42	10/26/16 14:38	10
Fluoranthene	48	U	48	3.8	ug/L		10/24/16 07:42	10/26/16 14:38	10
Fluorene	48	U	48	3.5	ug/L		10/24/16 07:42	10/26/16 14:38	10
Hexachlorobenzene	48	U	48	4.9	ug/L		10/24/16 07:42	10/26/16 14:38	10
Hexachlorobutadiene	48	U	48	6.5	ug/L		10/24/16 07:42	10/26/16 14:38	10

Client Sample ID: WG-007830-102116-BP-015 — **Lab Sample ID: 480-108247-15**
Date Collected: 10/21/16 12:00 — **Matrix: Water**
Date Received: 10/22/16 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	48	U	48	5.7	ug/L		10/24/16 07:42	10/26/16 14:38	10
Hexachloroethane	48	U	48	5.7	ug/L		10/24/16 07:42	10/26/16 14:38	10
Indeno[1,2,3-cd]pyrene	48	U	48	4.5	ug/L		10/24/16 07:42	10/26/16 14:38	10
Isophorone	48	U	48	4.1	ug/L		10/24/16 07:42	10/26/16 14:38	10
Naphthalene	48	U	48	7.3	ug/L		10/24/16 07:42	10/26/16 14:38	10
Nitrobenzene	48	U	48	2.8	ug/L		10/24/16 07:42	10/26/16 14:38	10
N-Nitrosodi-n-propylamine	48	U	48	5.2	ug/L		10/24/16 07:42	10/26/16 14:38	10
N-Nitrosodiphenylamine	48	U	48	4.9	ug/L		10/24/16 07:42	10/26/16 14:38	10
Pentachlorophenol	96	U	96	21	ug/L		10/24/16 07:42	10/26/16 14:38	10
Phenanthrene	48	U	48	4.2	ug/L		10/24/16 07:42	10/26/16 14:38	10
Phenol	**34**	**J**	48	3.7	ug/L		10/24/16 07:42	10/26/16 14:38	10
Pyrene	48	U	48	3.3	ug/L		10/24/16 07:42	10/26/16 14:38	10

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Benzene, chloro-	*650*	*T J N*	*ug/L*		*5.19*	*108-90-7*	*10/24/16 07:42*	*10/26/16 14:38*	*10*
Benzene, (ethoxymethyl)-	*63*	*T J N*	*ug/L*		*6.80*	*539-30-0*	*10/24/16 07:42*	*10/26/16 14:38*	*10*
Unknown	*150*	*T J*	*ug/L*		*7.18*		*10/24/16 07:42*	*10/26/16 14:38*	*10*
Unknown	*110*	*T J*	*ug/L*		*8.26*		*10/24/16 07:42*	*10/26/16 14:38*	*10*
Unknown	*61*	*T J*	*ug/L*		*8.70*		*10/24/16 07:42*	*10/26/16 14:38*	*10*
Unknown	*140*	*T J*	*ug/L*		*9.08*		*10/24/16 07:42*	*10/26/16 14:38*	*10*
Talbutal	*80*	*T J N*	*ug/L*		*10.03*	*115-44-6*	*10/24/16 07:42*	*10/26/16 14:38*	*10*
5-Chloroisatin	*69*	*T J N*	*ug/L*		*10.22*	*17630-76-1*	*10/24/16 07:42*	*10/26/16 14:38*	*10*
Hexobarbital	*190*	*T J N*	*ug/L*		*10.61*	*56-29-1*	*10/24/16 07:42*	*10/26/16 14:38*	*10*
Unknown	*35*	*T J*	*ug/L*		*10.70*		*10/24/16 07:42*	*10/26/16 14:38*	*10*
Mephobarbital	*180*	*T J N*	*ug/L*		*10.76*	*115-38-8*	*10/24/16 07:42*	*10/26/16 14:38*	*10*
Aminopyrine	*44*	*T J N*	*ug/L*		*10.84*	*58-15-1*	*10/24/16 07:42*	*10/26/16 14:38*	*10*
Phenobarbital	*150*	*T J N*	*ug/L*		*11.00*	*50-06-6*	*10/24/16 07:42*	*10/26/16 14:38*	*10*
Cyclobarbital	*37*	*T J N*	*ug/L*		*11.03*	*52-31-3*	*10/24/16 07:42*	*10/26/16 14:38*	*10*
Unknown	*54*	*T J*	*ug/L*		*11.09*		*10/24/16 07:42*	*10/26/16 14:38*	*10*
Unknown	*35*	*T J*	*ug/L*		*11.26*		*10/24/16 07:42*	*10/26/16 14:38*	*10*
Unknown	*81*	*T J*	*ug/L*		*11.39*		*10/24/16 07:42*	*10/26/16 14:38*	*10*
Mepivacaine	*310*	*T J N*	*ug/L*		*11.42*	*96-88-8*	*10/24/16 07:42*	*10/26/16 14:38*	*10*
Unknown	*240*	*T J*	*ug/L*		*11.65*		*10/24/16 07:42*	*10/26/16 14:38*	*10*
Unknown	*52*	*T J*	*ug/L*		*11.69*		*10/24/16 07:42*	*10/26/16 14:38*	*10*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*80*		*52 - 132*	*10/24/16 07:42*	*10/26/16 14:38*	*10*
2-Fluorobiphenyl	*90*		*48 - 120*	*10/24/16 07:42*	*10/26/16 14:38*	*10*
2-Fluorophenol (Surr)	*69*		*20 - 120*	*10/24/16 07:42*	*10/26/16 14:38*	*10*
Nitrobenzene-d5 (Surr)	*82*		*46 - 120*	*10/24/16 07:42*	*10/26/16 14:38*	*10*
Phenol-d5 (Surr)	*54*		*16 - 120*	*10/24/16 07:42*	*10/26/16 14:38*	*10*
p-Terphenyl-d14 (Surr)	*68*		*67 - 150*	*10/24/16 07:42*	*10/26/16 14:38*	*10*

Client Sample ID: WG-007830-102116-BP-016
Date Collected: 10/21/16 12:30
Date Received: 10/22/16 09:00

Lab Sample ID: 480-108247-16
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	25	U	25	4.1	ug/L			10/26/16 14:32	5
1,1,2,2-Tetrachloroethane	25	U	25	1.1	ug/L			10/26/16 14:32	5
1,1,2-Trichloroethane	25	U	25	1.2	ug/L			10/26/16 14:32	5
1,1-Dichloroethane	25	U	25	1.9	ug/L			10/26/16 14:32	5
1,1-Dichloroethene	25	U	25	1.5	ug/L			10/26/16 14:32	5
1,2-Dichloroethane	25	U	25	1.1	ug/L			10/26/16 14:32	5
1,2-Dichloropropane	25	U	25	3.6	ug/L			10/26/16 14:32	5
2-Butanone (MEK)	50	U	50	6.6	ug/L			10/26/16 14:32	5
2-Hexanone	50	U	50	6.2	ug/L			10/26/16 14:32	5
2-Methylthiophene	50	U	50	2.2	ug/L			10/26/16 14:32	5
4-Methyl-2-pentanone (MIBK)	50	U	50	11	ug/L			10/26/16 14:32	5
Acetone	50	U	50	15	ug/L			10/26/16 14:32	5
Benzene	5.0	U	5.0	2.1	ug/L			10/26/16 14:32	5
Bromoform	25	U	25	1.3	ug/L			10/26/16 14:32	5
Bromomethane	50	U	50	3.5	ug/L			10/26/16 14:32	5
Carbon disulfide	25	U	25	0.95	ug/L			10/26/16 14:32	5
Carbon tetrachloride	25	U	25	1.4	ug/L			10/26/16 14:32	5
Chlorobenzene	25	U	25	3.8	ug/L			10/26/16 14:32	5
Dibromochloromethane	25	U	25	1.6	ug/L			10/26/16 14:32	5
Chloroethane	50	U	50	1.6	ug/L			10/26/16 14:32	5
Chloroform	25	U	25	1.7	ug/L			10/26/16 14:32	5
Chloromethane	50	U	50	1.8	ug/L			10/26/16 14:32	5
cis-1,2-Dichloroethene	25	U	25	4.1	ug/L			10/26/16 14:32	5
Bromodichloromethane	25	U	25	2.0	ug/L			10/26/16 14:32	5
Ethyl ether	**130**		50	3.6	ug/L			10/26/16 14:32	5
Ethylbenzene	25	U	25	3.7	ug/L			10/26/16 14:32	5
Methylene Chloride	25	U	25	2.2	ug/L			10/26/16 14:32	5
m&p-Xylene	25	U	25	3.3	ug/L			10/26/16 14:32	5
o-Xylene	25	U	25	3.8	ug/L			10/26/16 14:32	5
Tetrachloroethene	25	U	25	1.8	ug/L			10/26/16 14:32	5
Toluene	25	U	25	2.6	ug/L			10/26/16 14:32	5
trans-1,2-Dichloroethene	25	U	25	4.5	ug/L			10/26/16 14:32	5
trans-1,3-Dichloropropene	25	U	25	1.9	ug/L			10/26/16 14:32	5
Trichloroethene	25	U	25	2.3	ug/L			10/26/16 14:32	5
Vinyl chloride	50	U	50	4.5	ug/L			10/26/16 14:32	5
cis-1,3-Dichloropropene	25	U	25	1.8	ug/L			10/26/16 14:32	5
Styrene	25	U	25	3.7	ug/L			10/26/16 14:32	5
3-Methylthiophene	50	U	50	2.7	ug/L			10/26/16 14:32	5

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*10/26/16 14:32*	*5*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*10/26/16 14:32*	*5*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*10/26/16 14:32*	*5*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*10/26/16 14:32*	*5*
Toluene-d8 (Surr)	*98*		*80 - 120*		*10/26/16 14:32*	*5*

Client Sample ID: WG-007830-102116-BP-016
Date Collected: 10/21/16 12:30
Date Received: 10/22/16 09:00

Lab Sample ID: 480-108247-16
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	9.8	U	9.8	0.43	ug/L		10/24/16 07:42	10/26/16 15:07	1
1,2-Dichlorobenzene	9.8	U	9.8	0.39	ug/L		10/24/16 07:42	10/26/16 15:07	1
1,3-Dichlorobenzene	9.8	U	9.8	0.47	ug/L		10/24/16 07:42	10/26/16 15:07	1
1,4-Dichlorobenzene	9.8	U	9.8	0.45	ug/L		10/24/16 07:42	10/26/16 15:07	1
2,4,5-Trichlorophenol	4.9	U	4.9	0.47	ug/L		10/24/16 07:42	10/26/16 15:07	1
2,4,6-Trichlorophenol	4.9	U	4.9	0.60	ug/L		10/24/16 07:42	10/26/16 15:07	1
2,4-Dichlorophenol	4.9	U	4.9	0.50	ug/L		10/24/16 07:42	10/26/16 15:07	1
2,4-Dimethylphenol	4.9	U	4.9	0.49	ug/L		10/24/16 07:42	10/26/16 15:07	1
2,4-Dinitrophenol	9.8	U	9.8	2.2	ug/L		10/24/16 07:42	10/26/16 15:07	1
2,4-Dinitrotoluene	4.9	U	4.9	0.44	ug/L		10/24/16 07:42	10/26/16 15:07	1
2,6-Dinitrotoluene	4.9	U	4.9	0.39	ug/L		10/24/16 07:42	10/26/16 15:07	1
2-Chloronaphthalene	4.9	U	4.9	0.45	ug/L		10/24/16 07:42	10/26/16 15:07	1
2-Chlorophenol	4.9	U	4.9	0.52	ug/L		10/24/16 07:42	10/26/16 15:07	1
2-Methylnaphthalene	4.9	U	4.9	0.59	ug/L		10/24/16 07:42	10/26/16 15:07	1
2-Methylphenol	4.9	U	4.9	0.39	ug/L		10/24/16 07:42	10/26/16 15:07	1
2-Nitroaniline	9.8	U	9.8	0.41	ug/L		10/24/16 07:42	10/26/16 15:07	1
2-Nitrophenol	4.9	U	4.9	0.47	ug/L		10/24/16 07:42	10/26/16 15:07	1
3,3'-Dichlorobenzidine	4.9	U	4.9	0.39	ug/L		10/24/16 07:42	10/26/16 15:07	1
3-Nitroaniline	9.8	U	9.8	0.47	ug/L		10/24/16 07:42	10/26/16 15:07	1
4,6-Dinitro-2-methylphenol	9.8	U	9.8	2.2	ug/L		10/24/16 07:42	10/26/16 15:07	1
4-Bromophenyl phenyl ether	4.9	U	4.9	0.44	ug/L		10/24/16 07:42	10/26/16 15:07	1
4-Chloro-3-methylphenol	4.9	U	4.9	0.44	ug/L		10/24/16 07:42	10/26/16 15:07	1
4-Chloroaniline	4.9	U	4.9	0.58	ug/L		10/24/16 07:42	10/26/16 15:07	1
4-Chlorophenyl phenyl ether	4.9	U	4.9	0.34	ug/L		10/24/16 07:42	10/26/16 15:07	1
4-Methylphenol	9.8	U	9.8	0.35	ug/L		10/24/16 07:42	10/26/16 15:07	1
4-Nitroaniline	9.8	U	9.8	0.24	ug/L		10/24/16 07:42	10/26/16 15:07	1
4-Nitrophenol	9.8	U	9.8	1.5	ug/L		10/24/16 07:42	10/26/16 15:07	1
Acenaphthene	4.9	U	4.9	0.40	ug/L		10/24/16 07:42	10/26/16 15:07	1
Acenaphthylene	4.9	U	4.9	0.37	ug/L		10/24/16 07:42	10/26/16 15:07	1
Anthracene	4.9	U	4.9	0.27	ug/L		10/24/16 07:42	10/26/16 15:07	1
Benzaldehyde	4.9	U	4.9	0.26	ug/L		10/24/16 07:42	10/26/16 15:07	1
Benzo[a]anthracene	4.9	U	4.9	0.35	ug/L		10/24/16 07:42	10/26/16 15:07	1
Benzo[a]pyrene	4.9	U	4.9	0.46	ug/L		10/24/16 07:42	10/26/16 15:07	1
Benzo[b]fluoranthene	4.9	U	4.9	0.33	ug/L		10/24/16 07:42	10/26/16 15:07	1
Benzo[g,h,i]perylene	4.9	U	4.9	0.34	ug/L		10/24/16 07:42	10/26/16 15:07	1
Benzo[k]fluoranthene	4.9	U	4.9	0.71	ug/L		10/24/16 07:42	10/26/16 15:07	1
bis (2-chloroisopropyl) ether	4.9	U	4.9	0.51	ug/L		10/24/16 07:42	10/26/16 15:07	1
Bis(2-chloroethoxy)methane	4.9	U	4.9	0.34	ug/L		10/24/16 07:42	10/26/16 15:07	1
Bis(2-chloroethyl)ether	4.9	U	4.9	0.39	ug/L		10/24/16 07:42	10/26/16 15:07	1
Bis(2-ethylhexyl) phthalate	4.9	U	4.9	2.2	ug/L		10/24/16 07:42	10/26/16 15:07	1
Butyl benzyl phthalate	4.9	U	4.9	0.98	ug/L		10/24/16 07:42	10/26/16 15:07	1
Carbazole	4.9	U	4.9	0.29	ug/L		10/24/16 07:42	10/26/16 15:07	1
Chrysene	4.9	U	4.9	0.32	ug/L		10/24/16 07:42	10/26/16 15:07	1
Dibenz(a,h)anthracene	4.9	U	4.9	0.41	ug/L		10/24/16 07:42	10/26/16 15:07	1
Dibenzofuran	9.8	U	9.8	0.50	ug/L		10/24/16 07:42	10/26/16 15:07	1
Diethyl phthalate	**0.33**	**J**	4.9	0.22	ug/L		10/24/16 07:42	10/26/16 15:07	1
Dimethyl phthalate	4.9	U	4.9	0.35	ug/L		10/24/16 07:42	10/26/16 15:07	1
Di-n-butyl phthalate	4.9	U	4.9	0.30	ug/L		10/24/16 07:42	10/26/16 15:07	1
Di-n-octyl phthalate	4.9	U	4.9	0.46	ug/L		10/24/16 07:42	10/26/16 15:07	1

Client: GHD Services Inc.
Project/Site: Sterling Site 3

TestAmerica Job ID: 480-108247-1

Client Sample ID: WG-007830-102116-BP-016
Date Collected: 10/21/16 12:30
Date Received: 10/22/16 09:00

Lab Sample ID: 480-108247-16
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	4.9	U	4.9	0.39	ug/L		10/24/16 07:42	10/26/16 15:07	1
Fluorene	4.9	U	4.9	0.35	ug/L		10/24/16 07:42	10/26/16 15:07	1
Hexachlorobenzene	4.9	U	4.9	0.50	ug/L		10/24/16 07:42	10/26/16 15:07	1
Hexachlorobutadiene	4.9	U	4.9	0.66	ug/L		10/24/16 07:42	10/26/16 15:07	1
Hexachlorocyclopentadiene	4.9	U	4.9	0.58	ug/L		10/24/16 07:42	10/26/16 15:07	1
Hexachloroethane	4.9	U	4.9	0.58	ug/L		10/24/16 07:42	10/26/16 15:07	1
Indeno[1,2,3-cd]pyrene	4.9	U	4.9	0.46	ug/L		10/24/16 07:42	10/26/16 15:07	1
Isophorone	4.9	U	4.9	0.42	ug/L		10/24/16 07:42	10/26/16 15:07	1
Naphthalene	4.9	U	4.9	0.74	ug/L		10/24/16 07:42	10/26/16 15:07	1
Nitrobenzene	4.9	U	4.9	0.28	ug/L		10/24/16 07:42	10/26/16 15:07	1
N-Nitrosodi-n-propylamine	4.9	U	4.9	0.53	ug/L		10/24/16 07:42	10/26/16 15:07	1
N-Nitrosodiphenylamine	4.9	U	4.9	0.50	ug/L		10/24/16 07:42	10/26/16 15:07	1
Pentachlorophenol	9.8	U	9.8	2.2	ug/L		10/24/16 07:42	10/26/16 15:07	1
Phenanthrene	4.9	U	4.9	0.43	ug/L		10/24/16 07:42	10/26/16 15:07	1
Phenol	4.9	U	4.9	0.38	ug/L		10/24/16 07:42	10/26/16 15:07	1
Pyrene	4.9	U	4.9	0.33	ug/L		10/24/16 07:42	10/26/16 15:07	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*3.2*	*T J*	*ug/L*		*3.31*		*10/24/16 07:42*	*10/26/16 15:07*	*1*
Unknown	*3.3*	*T J*	*ug/L*		*3.89*		*10/24/16 07:42*	*10/26/16 15:07*	*1*
Unknown	*31*	*T J*	*ug/L*		*5.10*		*10/24/16 07:42*	*10/26/16 15:07*	*1*
Unknown	*1.6*	*T J*	*ug/L*		*6.18*		*10/24/16 07:42*	*10/26/16 15:07*	*1*
Unknown	*4.0*	*T J*	*ug/L*		*6.71*		*10/24/16 07:42*	*10/26/16 15:07*	*1*
Cyclopentasiloxane, decamethyl-	*5.1*	*T J N*	*ug/L*		*7.14*	*541-02-6*	*10/24/16 07:42*	*10/26/16 15:07*	*1*
Unknown	*1.6*	*T J*	*ug/L*		*7.18*		*10/24/16 07:42*	*10/26/16 15:07*	*1*
Unknown	*8.2*	*T J*	*ug/L*		*7.70*		*10/24/16 07:42*	*10/26/16 15:07*	*1*
Cyclohexane, isothiocyanato-	*2.4*	*T J N*	*ug/L*		*7.87*	*1122-82-3*	*10/24/16 07:42*	*10/26/16 15:07*	*1*
Unknown	*6.1*	*T J*	*ug/L*		*8.57*		*10/24/16 07:42*	*10/26/16 15:07*	*1*
Unknown	*3.4*	*T J*	*ug/L*		*9.36*		*10/24/16 07:42*	*10/26/16 15:07*	*1*
Unknown	*2.1*	*T J*	*ug/L*		*10.06*		*10/24/16 07:42*	*10/26/16 15:07*	*1*
Phenobarbital di-methyl derivative	*6.5*	*T J N*	*ug/L*		*10.54*	*1000137-13-1*	*10/24/16 07:42*	*10/26/16 15:07*	*1*
Hexobarbital	*2.8*	*T J N*	*ug/L*		*10.61*	*56-29-1*	*10/24/16 07:42*	*10/26/16 15:07*	*1*
Phenobarbital	*11*	*T J N*	*ug/L*		*11.00*	*50-06-6*	*10/24/16 07:42*	*10/26/16 15:07*	*1*
Mepivacaine	*25*	*T J N*	*ug/L*		*11.42*	*96-88-8*	*10/24/16 07:42*	*10/26/16 15:07*	*1*
Unknown	*1.6*	*T J*	*ug/L*		*12.03*		*10/24/16 07:42*	*10/26/16 15:07*	*1*
Unknown	*6.1*	*T J*	*ug/L*		*14.48*		*10/24/16 07:42*	*10/26/16 15:07*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*95*		*52 - 132*	*10/24/16 07:42*	*10/26/16 15:07*	*1*
2-Fluorobiphenyl	*96*		*48 - 120*	*10/24/16 07:42*	*10/26/16 15:07*	*1*
2-Fluorophenol (Surr)	*80*		*20 - 120*	*10/24/16 07:42*	*10/26/16 15:07*	*1*
Nitrobenzene-d5 (Surr)	*83*		*46 - 120*	*10/24/16 07:42*	*10/26/16 15:07*	*1*
Phenol-d5 (Surr)	*56*		*16 - 120*	*10/24/16 07:42*	*10/26/16 15:07*	*1*
p-Terphenyl-d14 (Surr)	*79*		*67 - 150*	*10/24/16 07:42*	*10/26/16 15:07*	*1*

Client: GHD Services Inc.
Project/Site: Sterling Site 3

TestAmerica Job ID: 480-108247-1

Client Sample ID: WG-007830-102116-BP-017
Date Collected: 10/21/16 13:00
Date Received: 10/22/16 09:00

Lab Sample ID: 480-108247-17
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.0	U	5.0	0.82	ug/L			10/26/16 03:03	1
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.21	ug/L			10/26/16 03:03	1
1,1,2-Trichloroethane	5.0	U	5.0	0.23	ug/L			10/26/16 03:03	1
1,1-Dichloroethane	5.0	U	5.0	0.38	ug/L			10/26/16 03:03	1
1,1-Dichloroethene	5.0	U	5.0	0.29	ug/L			10/26/16 03:03	1
1,2-Dichloroethane	5.0	U	5.0	0.21	ug/L			10/26/16 03:03	1
1,2-Dichloropropane	5.0	U	5.0	0.72	ug/L			10/26/16 03:03	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			10/26/16 03:03	1
2-Hexanone	10	U	10	1.2	ug/L			10/26/16 03:03	1
2-Methylthiophene	10	U	10	0.44	ug/L			10/26/16 03:03	1
4-Methyl-2-pentanone (MIBK)	10	U	10	2.1	ug/L			10/26/16 03:03	1
Acetone	**3.7**	**J**	10	3.0	ug/L			10/26/16 03:03	1
Benzene	1.0	U	1.0	0.41	ug/L			10/26/16 03:03	1
Bromoform	5.0	U	5.0	0.26	ug/L			10/26/16 03:03	1
Bromomethane	10	U	10	0.69	ug/L			10/26/16 03:03	1
Carbon disulfide	**0.44**	**J**	5.0	0.19	ug/L			10/26/16 03:03	1
Carbon tetrachloride	5.0	U	5.0	0.27	ug/L			10/26/16 03:03	1
Chlorobenzene	5.0	U	5.0	0.75	ug/L			10/26/16 03:03	1
Dibromochloromethane	5.0	U	5.0	0.32	ug/L			10/26/16 03:03	1
Chloroethane	10	U	10	0.32	ug/L			10/26/16 03:03	1
Chloroform	5.0	U	5.0	0.34	ug/L			10/26/16 03:03	1
Chloromethane	10	U	10	0.35	ug/L			10/26/16 03:03	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.81	ug/L			10/26/16 03:03	1
Bromodichloromethane	5.0	U	5.0	0.39	ug/L			10/26/16 03:03	1
Ethyl ether	10	U	10	0.72	ug/L			10/26/16 03:03	1
Ethylbenzene	5.0	U	5.0	0.74	ug/L			10/26/16 03:03	1
Methylene Chloride	5.0	U	5.0	0.44	ug/L			10/26/16 03:03	1
m&p-Xylene	5.0	U	5.0	0.66	ug/L			10/26/16 03:03	1
o-Xylene	5.0	U	5.0	0.76	ug/L			10/26/16 03:03	1
Tetrachloroethene	5.0	U	5.0	0.36	ug/L			10/26/16 03:03	1
Toluene	**3.8**	**J**	5.0	0.51	ug/L			10/26/16 03:03	1
trans-1,2-Dichloroethene	5.0	U	5.0	0.90	ug/L			10/26/16 03:03	1
trans-1,3-Dichloropropene	5.0	U	5.0	0.37	ug/L			10/26/16 03:03	1
Trichloroethene	5.0	U	5.0	0.46	ug/L			10/26/16 03:03	1
Vinyl chloride	10	U	10	0.90	ug/L			10/26/16 03:03	1
cis-1,3-Dichloropropene	5.0	U	5.0	0.36	ug/L			10/26/16 03:03	1
Styrene	5.0	U	5.0	0.73	ug/L			10/26/16 03:03	1
3-Methylthiophene	10	U	10	0.53	ug/L			10/26/16 03:03	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Diphenyl ether	*2.9*	*T J N*	*ug/L*		*14.49*	*101-84-8*		*10/26/16 03:03*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*		*10/26/16 03:03*	*1*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*10/26/16 03:03*	*1*
Dibromofluoromethane (Surr)	*109*		*75 - 123*		*10/26/16 03:03*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/26/16 03:03*	*1*

Client Sample ID: WG-007830-102116-BP-017
Date Collected: 10/21/16 13:00
Date Received: 10/22/16 09:00

Lab Sample ID: 480-108247-17
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	52	U	52	2.3	ug/L		10/24/16 07:42	10/26/16 15:36	5
1,2-Dichlorobenzene	52	U	52	2.1	ug/L		10/24/16 07:42	10/26/16 15:36	5
1,3-Dichlorobenzene	52	U	52	2.5	ug/L		10/24/16 07:42	10/26/16 15:36	5
1,4-Dichlorobenzene	52	U	52	2.4	ug/L		10/24/16 07:42	10/26/16 15:36	5
2,4,5-Trichlorophenol	26	U	26	2.5	ug/L		10/24/16 07:42	10/26/16 15:36	5
2,4,6-Trichlorophenol	26	U	26	3.2	ug/L		10/24/16 07:42	10/26/16 15:36	5
2,4-Dichlorophenol	26	U	26	2.7	ug/L		10/24/16 07:42	10/26/16 15:36	5
2,4-Dimethylphenol	26	U	26	2.6	ug/L		10/24/16 07:42	10/26/16 15:36	5
2,4-Dinitrophenol	52	U	52	12	ug/L		10/24/16 07:42	10/26/16 15:36	5
2,4-Dinitrotoluene	26	U	26	2.3	ug/L		10/24/16 07:42	10/26/16 15:36	5
2,6-Dinitrotoluene	26	U	26	2.1	ug/L		10/24/16 07:42	10/26/16 15:36	5
2-Chloronaphthalene	26	U	26	2.4	ug/L		10/24/16 07:42	10/26/16 15:36	5
2-Chlorophenol	26	U	26	2.8	ug/L		10/24/16 07:42	10/26/16 15:36	5
2-Methylnaphthalene	26	U	26	3.1	ug/L		10/24/16 07:42	10/26/16 15:36	5
2-Methylphenol	26	U	26	2.1	ug/L		10/24/16 07:42	10/26/16 15:36	5
2-Nitroaniline	52	U	52	2.2	ug/L		10/24/16 07:42	10/26/16 15:36	5
2-Nitrophenol	26	U	26	2.5	ug/L		10/24/16 07:42	10/26/16 15:36	5
3,3'-Dichlorobenzidine	26	U	26	2.1	ug/L		10/24/16 07:42	10/26/16 15:36	5
3-Nitroaniline	52	U	52	2.5	ug/L		10/24/16 07:42	10/26/16 15:36	5
4,6-Dinitro-2-methylphenol	52	U	52	12	ug/L		10/24/16 07:42	10/26/16 15:36	5
4-Bromophenyl phenyl ether	26	U	26	2.4	ug/L		10/24/16 07:42	10/26/16 15:36	5
4-Chloro-3-methylphenol	26	U	26	2.4	ug/L		10/24/16 07:42	10/26/16 15:36	5
4-Chloroaniline	26	U	26	3.1	ug/L		10/24/16 07:42	10/26/16 15:36	5
4-Chlorophenyl phenyl ether	26	U	26	1.8	ug/L		10/24/16 07:42	10/26/16 15:36	5
4-Methylphenol	52	U	52	1.9	ug/L		10/24/16 07:42	10/26/16 15:36	5
4-Nitroaniline	52	U	52	1.3	ug/L		10/24/16 07:42	10/26/16 15:36	5
4-Nitrophenol	52	U	52	8.0	ug/L		10/24/16 07:42	10/26/16 15:36	5
Acenaphthene	26	U	26	2.1	ug/L		10/24/16 07:42	10/26/16 15:36	5
Acenaphthylene	26	U	26	2.0	ug/L		10/24/16 07:42	10/26/16 15:36	5
Anthracene	26	U	26	1.5	ug/L		10/24/16 07:42	10/26/16 15:36	5
Benzaldehyde	26	U	26	1.4	ug/L		10/24/16 07:42	10/26/16 15:36	5
Benzo[a]anthracene	26	U	26	1.9	ug/L		10/24/16 07:42	10/26/16 15:36	5
Benzo[a]pyrene	26	U	26	2.5	ug/L		10/24/16 07:42	10/26/16 15:36	5
Benzo[b]fluoranthene	26	U	26	1.8	ug/L		10/24/16 07:42	10/26/16 15:36	5
Benzo[g,h,i]perylene	26	U	26	1.8	ug/L		10/24/16 07:42	10/26/16 15:36	5
Benzo[k]fluoranthene	26	U	26	3.8	ug/L		10/24/16 07:42	10/26/16 15:36	5
bis (2-chloroisopropyl) ether	26	U	26	2.7	ug/L		10/24/16 07:42	10/26/16 15:36	5
Bis(2-chloroethoxy)methane	26	U	26	1.8	ug/L		10/24/16 07:42	10/26/16 15:36	5
Bis(2-chloroethyl)ether	26	U	26	2.1	ug/L		10/24/16 07:42	10/26/16 15:36	5
Bis(2-ethylhexyl) phthalate	26	U	26	12	ug/L		10/24/16 07:42	10/26/16 15:36	5
Butyl benzyl phthalate	26	U	26	5.2	ug/L		10/24/16 07:42	10/26/16 15:36	5
Carbazole	26	U	26	1.6	ug/L		10/24/16 07:42	10/26/16 15:36	5
Chrysene	26	U	26	1.7	ug/L		10/24/16 07:42	10/26/16 15:36	5
Dibenz(a,h)anthracene	26	U	26	2.2	ug/L		10/24/16 07:42	10/26/16 15:36	5
Dibenzofuran	52	U	52	2.7	ug/L		10/24/16 07:42	10/26/16 15:36	5
Diethyl phthalate	26	U	26	1.2	ug/L		10/24/16 07:42	10/26/16 15:36	5
Dimethyl phthalate	26	U	26	1.9	ug/L		10/24/16 07:42	10/26/16 15:36	5
Di-n-butyl phthalate	26	U	26	1.6	ug/L		10/24/16 07:42	10/26/16 15:36	5
Di-n-octyl phthalate	26	U	26	2.5	ug/L		10/24/16 07:42	10/26/16 15:36	5

Client: GHD Services Inc.
Project/Site: Sterling Site 3

TestAmerica Job ID: 480-108247-1

Client Sample ID: WG-007830-102116-BP-017
Date Collected: 10/21/16 13:00
Date Received: 10/22/16 09:00

Lab Sample ID: 480-108247-17
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	26	U	26	2.1	ug/L		10/24/16 07:42	10/26/16 15:36	5
Fluorene	26	U	26	1.9	ug/L		10/24/16 07:42	10/26/16 15:36	5
Hexachlorobenzene	26	U	26	2.7	ug/L		10/24/16 07:42	10/26/16 15:36	5
Hexachlorobutadiene	26	U	26	3.6	ug/L		10/24/16 07:42	10/26/16 15:36	5
Hexachlorocyclopentadiene	26	U	26	3.1	ug/L		10/24/16 07:42	10/26/16 15:36	5
Hexachloroethane	26	U	26	3.1	ug/L		10/24/16 07:42	10/26/16 15:36	5
Indeno[1,2,3-cd]pyrene	26	U	26	2.5	ug/L		10/24/16 07:42	10/26/16 15:36	5
Isophorone	26	U	26	2.3	ug/L		10/24/16 07:42	10/26/16 15:36	5
Naphthalene	26	U	26	4.0	ug/L		10/24/16 07:42	10/26/16 15:36	5
Nitrobenzene	26	U	26	1.5	ug/L		10/24/16 07:42	10/26/16 15:36	5
N-Nitrosodi-n-propylamine	26	U	26	2.8	ug/L		10/24/16 07:42	10/26/16 15:36	5
N-Nitrosodiphenylamine	26	U	26	2.7	ug/L		10/24/16 07:42	10/26/16 15:36	5
Pentachlorophenol	52	U	52	12	ug/L		10/24/16 07:42	10/26/16 15:36	5
Phenanthrene	26	U	26	2.3	ug/L		10/24/16 07:42	10/26/16 15:36	5
Phenol	26	U	26	2.0	ug/L		10/24/16 07:42	10/26/16 15:36	5
Pyrene	26	U	26	1.8	ug/L		10/24/16 07:42	10/26/16 15:36	5

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*30*	*T J*	*ug/L*		*5.08*		*10/24/16 07:42*	*10/26/16 15:36*	*5*
Unknown	*38*	*T J*	*ug/L*		*16.51*		*10/24/16 07:42*	*10/26/16 15:36*	*5*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*75*		*52 - 132*	*10/24/16 07:42*	*10/26/16 15:36*	*5*
2-Fluorobiphenyl	*89*		*48 - 120*	*10/24/16 07:42*	*10/26/16 15:36*	*5*
2-Fluorophenol (Surr)	*71*		*20 - 120*	*10/24/16 07:42*	*10/26/16 15:36*	*5*
Nitrobenzene-d5 (Surr)	*77*		*46 - 120*	*10/24/16 07:42*	*10/26/16 15:36*	*5*
Phenol-d5 (Surr)	*57*		*16 - 120*	*10/24/16 07:42*	*10/26/16 15:36*	*5*
p-Terphenyl-d14 (Surr)	*79*		*67 - 150*	*10/24/16 07:42*	*10/26/16 15:36*	*5*

Client Sample ID: WG-007830-102116-BP-018 — **Lab Sample ID: 480-108247-18**
Date Collected: 10/21/16 13:30 — **Matrix: Water**
Date Received: 10/22/16 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.0	U	5.0	0.82	ug/L			10/26/16 03:29	1
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.21	ug/L			10/26/16 03:29	1
1,1,2-Trichloroethane	5.0	U	5.0	0.23	ug/L			10/26/16 03:29	1
1,1-Dichloroethane	5.0	U	5.0	0.38	ug/L			10/26/16 03:29	1
1,1-Dichloroethene	5.0	U	5.0	0.29	ug/L			10/26/16 03:29	1
1,2-Dichloroethane	5.0	U	5.0	0.21	ug/L			10/26/16 03:29	1
1,2-Dichloropropane	5.0	U	5.0	0.72	ug/L			10/26/16 03:29	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			10/26/16 03:29	1
2-Hexanone	10	U	10	1.2	ug/L			10/26/16 03:29	1
2-Methylthiophene	10	U	10	0.44	ug/L			10/26/16 03:29	1
4-Methyl-2-pentanone (MIBK)	10	U	10	2.1	ug/L			10/26/16 03:29	1
Acetone	10	U	10	3.0	ug/L			10/26/16 03:29	1
Benzene	1.0	U	1.0	0.41	ug/L			10/26/16 03:29	1
Bromoform	5.0	U	5.0	0.26	ug/L			10/26/16 03:29	1
Bromomethane	10	U	10	0.69	ug/L			10/26/16 03:29	1
Carbon disulfide	5.0	U	5.0	0.19	ug/L			10/26/16 03:29	1
Carbon tetrachloride	5.0	U	5.0	0.27	ug/L			10/26/16 03:29	1
Chlorobenzene	5.0	U	5.0	0.75	ug/L			10/26/16 03:29	1
Dibromochloromethane	5.0	U	5.0	0.32	ug/L			10/26/16 03:29	1
Chloroethane	10	U	10	0.32	ug/L			10/26/16 03:29	1
Chloroform	5.0	U	5.0	0.34	ug/L			10/26/16 03:29	1
Chloromethane	10	U	10	0.35	ug/L			10/26/16 03:29	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.81	ug/L			10/26/16 03:29	1
Bromodichloromethane	5.0	U	5.0	0.39	ug/L			10/26/16 03:29	1
Ethyl ether	**1100**	**E**	10	0.72	ug/L			10/26/16 03:29	1
Ethylbenzene	5.0	U	5.0	0.74	ug/L			10/26/16 03:29	1
Methylene Chloride	5.0	U	5.0	0.44	ug/L			10/26/16 03:29	1
m&p-Xylene	5.0	U	5.0	0.66	ug/L			10/26/16 03:29	1
o-Xylene	5.0	U	5.0	0.76	ug/L			10/26/16 03:29	1
Tetrachloroethene	5.0	U	5.0	0.36	ug/L			10/26/16 03:29	1
Toluene	5.0	U	5.0	0.51	ug/L			10/26/16 03:29	1
trans-1,2-Dichloroethene	5.0	U	5.0	0.90	ug/L			10/26/16 03:29	1
trans-1,3-Dichloropropene	5.0	U	5.0	0.37	ug/L			10/26/16 03:29	1
Trichloroethene	5.0	U	5.0	0.46	ug/L			10/26/16 03:29	1
Vinyl chloride	10	U	10	0.90	ug/L			10/26/16 03:29	1
cis-1,3-Dichloropropene	5.0	U	5.0	0.36	ug/L			10/26/16 03:29	1
Styrene	5.0	U	5.0	0.73	ug/L			10/26/16 03:29	1
3-Methylthiophene	10	U	10	0.53	ug/L			10/26/16 03:29	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*10/26/16 03:29*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*		*10/26/16 03:29*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*10/26/16 03:29*	*1*
Dibromofluoromethane (Surr)	*110*		*75 - 123*		*10/26/16 03:29*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*10/26/16 03:29*	*1*

Client: GHD Services Inc.
Project/Site: Sterling Site 3

TestAmerica Job ID: 480-108247-1

Client Sample ID: WG-007830-102116-BP-018
Date Collected: 10/21/16 13:30
Date Received: 10/22/16 09:00

Lab Sample ID: 480-108247-18
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	100	U	100	16	ug/L			10/26/16 15:00	20
1,1,2,2-Tetrachloroethane	100	U	100	4.2	ug/L			10/26/16 15:00	20
1,1,2-Trichloroethane	100	U	100	4.6	ug/L			10/26/16 15:00	20
1,1-Dichloroethane	100	U	100	7.6	ug/L			10/26/16 15:00	20
1,1-Dichloroethene	100	U	100	5.8	ug/L			10/26/16 15:00	20
1,2-Dichloroethane	100	U	100	4.2	ug/L			10/26/16 15:00	20
1,2-Dichloropropane	100	U	100	14	ug/L			10/26/16 15:00	20
2-Butanone (MEK)	200	U	200	26	ug/L			10/26/16 15:00	20
2-Hexanone	200	U	200	25	ug/L			10/26/16 15:00	20
2-Methylthiophene	200	U	200	8.8	ug/L			10/26/16 15:00	20
4-Methyl-2-pentanone (MIBK)	200	U	200	42	ug/L			10/26/16 15:00	20
Acetone	200	U	200	60	ug/L			10/26/16 15:00	20
Benzene	20	U	20	8.2	ug/L			10/26/16 15:00	20
Bromoform	100	U	100	5.2	ug/L			10/26/16 15:00	20
Bromomethane	200	U	200	14	ug/L			10/26/16 15:00	20
Carbon disulfide	100	U	100	3.8	ug/L			10/26/16 15:00	20
Carbon tetrachloride	100	U	100	5.4	ug/L			10/26/16 15:00	20
Chlorobenzene	100	U	100	15	ug/L			10/26/16 15:00	20
Dibromochloromethane	100	U	100	6.4	ug/L			10/26/16 15:00	20
Chloroethane	200	U	200	6.4	ug/L			10/26/16 15:00	20
Chloroform	100	U	100	6.8	ug/L			10/26/16 15:00	20
Chloromethane	200	U	200	7.0	ug/L			10/26/16 15:00	20
cis-1,2-Dichloroethene	100	U	100	16	ug/L			10/26/16 15:00	20
Bromodichloromethane	100	U	100	7.8	ug/L			10/26/16 15:00	20
Ethyl ether	**1500**		200	14	ug/L			10/26/16 15:00	20
Ethylbenzene	100	U	100	15	ug/L			10/26/16 15:00	20
Methylene Chloride	100	U	100	8.8	ug/L			10/26/16 15:00	20
m&p-Xylene	100	U	100	13	ug/L			10/26/16 15:00	20
o-Xylene	100	U	100	15	ug/L			10/26/16 15:00	20
Tetrachloroethene	100	U	100	7.2	ug/L			10/26/16 15:00	20
Toluene	100	U	100	10	ug/L			10/26/16 15:00	20
trans-1,2-Dichloroethene	100	U	100	18	ug/L			10/26/16 15:00	20
trans-1,3-Dichloropropene	100	U	100	7.4	ug/L			10/26/16 15:00	20
Trichloroethene	100	U	100	9.2	ug/L			10/26/16 15:00	20
Vinyl chloride	200	U	200	18	ug/L			10/26/16 15:00	20
cis-1,3-Dichloropropene	100	U	100	7.2	ug/L			10/26/16 15:00	20
Styrene	100	U	100	15	ug/L			10/26/16 15:00	20
3-Methylthiophene	200	U	200	11	ug/L			10/26/16 15:00	20

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*10/26/16 15:00*	*20*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*10/26/16 15:00*	*20*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*10/26/16 15:00*	*20*
Dibromofluoromethane (Surr)	*109*		*75 - 123*		*10/26/16 15:00*	*20*
Toluene-d8 (Surr)	*96*		*80 - 120*		*10/26/16 15:00*	*20*

Client: GHD Services Inc.
Project/Site: Sterling Site 3

TestAmerica Job ID: 480-108247-1

Client Sample ID: WG-007830-102116-BP-018
Date Collected: 10/21/16 13:30
Date Received: 10/22/16 09:00

Lab Sample ID: 480-108247-18
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	480	U	480	21	ug/L		10/24/16 07:42	10/26/16 16:05	50
1,2-Dichlorobenzene	480	U	480	19	ug/L		10/24/16 07:42	10/26/16 16:05	50
1,3-Dichlorobenzene	480	U	480	23	ug/L		10/24/16 07:42	10/26/16 16:05	50
1,4-Dichlorobenzene	480	U	480	22	ug/L		10/24/16 07:42	10/26/16 16:05	50
2,4,5-Trichlorophenol	240	U	240	23	ug/L		10/24/16 07:42	10/26/16 16:05	50
2,4,6-Trichlorophenol	240	U	240	30	ug/L		10/24/16 07:42	10/26/16 16:05	50
2,4-Dichlorophenol	240	U	240	25	ug/L		10/24/16 07:42	10/26/16 16:05	50
2,4-Dimethylphenol	240	U	240	24	ug/L		10/24/16 07:42	10/26/16 16:05	50
2,4-Dinitrophenol	480	U	480	110	ug/L		10/24/16 07:42	10/26/16 16:05	50
2,4-Dinitrotoluene	240	U	240	22	ug/L		10/24/16 07:42	10/26/16 16:05	50
2,6-Dinitrotoluene	240	U	240	19	ug/L		10/24/16 07:42	10/26/16 16:05	50
2-Chloronaphthalene	240	U	240	22	ug/L		10/24/16 07:42	10/26/16 16:05	50
2-Chlorophenol	240	U	240	26	ug/L		10/24/16 07:42	10/26/16 16:05	50
2-Methylnaphthalene	240	U	240	29	ug/L		10/24/16 07:42	10/26/16 16:05	50
2-Methylphenol	240	U	240	19	ug/L		10/24/16 07:42	10/26/16 16:05	50
2-Nitroaniline	480	U	480	20	ug/L		10/24/16 07:42	10/26/16 16:05	50
2-Nitrophenol	240	U	240	23	ug/L		10/24/16 07:42	10/26/16 16:05	50
3,3'-Dichlorobenzidine	240	U	240	19	ug/L		10/24/16 07:42	10/26/16 16:05	50
3-Nitroaniline	480	U	480	23	ug/L		10/24/16 07:42	10/26/16 16:05	50
4,6-Dinitro-2-methylphenol	480	U	480	110	ug/L		10/24/16 07:42	10/26/16 16:05	50
4-Bromophenyl phenyl ether	240	U	240	22	ug/L		10/24/16 07:42	10/26/16 16:05	50
4-Chloro-3-methylphenol	240	U	240	22	ug/L		10/24/16 07:42	10/26/16 16:05	50
4-Chloroaniline	240	U	240	29	ug/L		10/24/16 07:42	10/26/16 16:05	50
4-Chlorophenyl phenyl ether	240	U	240	17	ug/L		10/24/16 07:42	10/26/16 16:05	50
4-Methylphenol	480	U	480	17	ug/L		10/24/16 07:42	10/26/16 16:05	50
4-Nitroaniline	480	U	480	12	ug/L		10/24/16 07:42	10/26/16 16:05	50
4-Nitrophenol	480	U	480	74	ug/L		10/24/16 07:42	10/26/16 16:05	50
Acenaphthene	240	U	240	20	ug/L		10/24/16 07:42	10/26/16 16:05	50
Acenaphthylene	240	U	240	18	ug/L		10/24/16 07:42	10/26/16 16:05	50
Anthracene	240	U	240	14	ug/L		10/24/16 07:42	10/26/16 16:05	50
Benzaldehyde	240	U	240	13	ug/L		10/24/16 07:42	10/26/16 16:05	50
Benzo[a]anthracene	240	U	240	17	ug/L		10/24/16 07:42	10/26/16 16:05	50
Benzo[a]pyrene	240	U	240	23	ug/L		10/24/16 07:42	10/26/16 16:05	50
Benzo[b]fluoranthene	240	U	240	16	ug/L		10/24/16 07:42	10/26/16 16:05	50
Benzo[g,h,i]perylene	240	U	240	17	ug/L		10/24/16 07:42	10/26/16 16:05	50
Benzo[k]fluoranthene	240	U	240	35	ug/L		10/24/16 07:42	10/26/16 16:05	50
bis (2-chloroisopropyl) ether	240	U	240	25	ug/L		10/24/16 07:42	10/26/16 16:05	50
Bis(2-chloroethoxy)methane	240	U	240	17	ug/L		10/24/16 07:42	10/26/16 16:05	50
Bis(2-chloroethyl)ether	240	U	240	19	ug/L		10/24/16 07:42	10/26/16 16:05	50
Bis(2-ethylhexyl) phthalate	240	U	240	110	ug/L		10/24/16 07:42	10/26/16 16:05	50
Butyl benzyl phthalate	240	U	240	48	ug/L		10/24/16 07:42	10/26/16 16:05	50
Carbazole	240	U	240	15	ug/L		10/24/16 07:42	10/26/16 16:05	50
Chrysene	240	U	240	16	ug/L		10/24/16 07:42	10/26/16 16:05	50
Dibenz(a,h)anthracene	240	U	240	20	ug/L		10/24/16 07:42	10/26/16 16:05	50
Dibenzofuran	480	U	480	25	ug/L		10/24/16 07:42	10/26/16 16:05	50
Diethyl phthalate	240	U	240	11	ug/L		10/24/16 07:42	10/26/16 16:05	50
Dimethyl phthalate	240	U	240	17	ug/L		10/24/16 07:42	10/26/16 16:05	50
Di-n-butyl phthalate	240	U	240	15	ug/L		10/24/16 07:42	10/26/16 16:05	50
Di-n-octyl phthalate	240	U	240	23	ug/L		10/24/16 07:42	10/26/16 16:05	50

Client: GHD Services Inc.
Project/Site: Sterling Site 3

TestAmerica Job ID: 480-108247-1

Client Sample ID: WG-007830-102116-BP-018
Date Collected: 10/21/16 13:30
Date Received: 10/22/16 09:00

Lab Sample ID: 480-108247-18
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	240	U	240	19	ug/L		10/24/16 07:42	10/26/16 16:05	50
Fluorene	240	U	240	17	ug/L		10/24/16 07:42	10/26/16 16:05	50
Hexachlorobenzene	240	U	240	25	ug/L		10/24/16 07:42	10/26/16 16:05	50
Hexachlorobutadiene	240	U	240	33	ug/L		10/24/16 07:42	10/26/16 16:05	50
Hexachlorocyclopentadiene	240	U	240	29	ug/L		10/24/16 07:42	10/26/16 16:05	50
Hexachloroethane	240	U	240	29	ug/L		10/24/16 07:42	10/26/16 16:05	50
Indeno[1,2,3-cd]pyrene	240	U	240	23	ug/L		10/24/16 07:42	10/26/16 16:05	50
Isophorone	240	U	240	21	ug/L		10/24/16 07:42	10/26/16 16:05	50
Naphthalene	240	U	240	37	ug/L		10/24/16 07:42	10/26/16 16:05	50
Nitrobenzene	240	U	240	14	ug/L		10/24/16 07:42	10/26/16 16:05	50
N-Nitrosodi-n-propylamine	240	U	240	26	ug/L		10/24/16 07:42	10/26/16 16:05	50
N-Nitrosodiphenylamine	240	U	240	25	ug/L		10/24/16 07:42	10/26/16 16:05	50
Pentachlorophenol	480	U	480	110	ug/L		10/24/16 07:42	10/26/16 16:05	50
Phenanthrene	240	U	240	21	ug/L		10/24/16 07:42	10/26/16 16:05	50
Phenol	240	U	240	19	ug/L		10/24/16 07:42	10/26/16 16:05	50
Pyrene	240	U	240	16	ug/L		10/24/16 07:42	10/26/16 16:05	50

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*650*	*T J*	*ug/L*		*16.51*		*10/24/16 07:42*	*10/26/16 16:05*	*50*
Cholestan-3-one	*160*	*T J N*	*ug/L*		*16.83*	*15600-08-5*	*10/24/16 07:42*	*10/26/16 16:05*	*50*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*53*		*52 - 132*	*10/24/16 07:42*	*10/26/16 16:05*	*50*
2-Fluorobiphenyl	*87*		*48 - 120*	*10/24/16 07:42*	*10/26/16 16:05*	*50*
2-Fluorophenol (Surr)	*62*		*20 - 120*	*10/24/16 07:42*	*10/26/16 16:05*	*50*
Nitrobenzene-d5 (Surr)	*78*		*46 - 120*	*10/24/16 07:42*	*10/26/16 16:05*	*50*
Phenol-d5 (Surr)	*47*		*16 - 120*	*10/24/16 07:42*	*10/26/16 16:05*	*50*
p-Terphenyl-d14 (Surr)	*64*	*X*	*67 - 150*	*10/24/16 07:42*	*10/26/16 16:05*	*50*

Client: GHD Services Inc.
Project/Site: Sterling Site 3

TestAmerica Job ID: 480-108247-1

Client Sample ID: SW-007830-102116-BP-019 — **Lab Sample ID: 480-108247-19**
Date Collected: 10/21/16 14:00 — **Matrix: Water**
Date Received: 10/22/16 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	10	U	10	1.6	ug/L			10/26/16 03:57	2
1,1,2,2-Tetrachloroethane	10	U	10	0.42	ug/L			10/26/16 03:57	2
1,1,2-Trichloroethane	10	U	10	0.46	ug/L			10/26/16 03:57	2
1,1-Dichloroethane	10	U	10	0.76	ug/L			10/26/16 03:57	2
1,1-Dichloroethene	10	U	10	0.58	ug/L			10/26/16 03:57	2
1,2-Dichloroethane	10	U	10	0.42	ug/L			10/26/16 03:57	2
1,2-Dichloropropane	10	U	10	1.4	ug/L			10/26/16 03:57	2
2-Butanone (MEK)	20	U	20	2.6	ug/L			10/26/16 03:57	2
2-Hexanone	20	U	20	2.5	ug/L			10/26/16 03:57	2
2-Methylthiophene	20	U	20	0.88	ug/L			10/26/16 03:57	2
4-Methyl-2-pentanone (MIBK)	20	U	20	4.2	ug/L			10/26/16 03:57	2
Acetone	**17**	**J**	20	6.0	ug/L			10/26/16 03:57	2
Benzene	2.0	U	2.0	0.82	ug/L			10/26/16 03:57	2
Bromoform	10	U	10	0.52	ug/L			10/26/16 03:57	2
Bromomethane	20	U	20	1.4	ug/L			10/26/16 03:57	2
Carbon disulfide	10	U	10	0.38	ug/L			10/26/16 03:57	2
Carbon tetrachloride	10	U	10	0.54	ug/L			10/26/16 03:57	2
Chlorobenzene	10	U	10	1.5	ug/L			10/26/16 03:57	2
Dibromochloromethane	10	U	10	0.64	ug/L			10/26/16 03:57	2
Chloroethane	20	U	20	0.64	ug/L			10/26/16 03:57	2
Chloroform	10	U	10	0.68	ug/L			10/26/16 03:57	2
Chloromethane	20	U	20	0.70	ug/L			10/26/16 03:57	2
cis-1,2-Dichloroethene	10	U	10	1.6	ug/L			10/26/16 03:57	2
Bromodichloromethane	10	U	10	0.78	ug/L			10/26/16 03:57	2
Ethyl ether	20	U	20	1.4	ug/L			10/26/16 03:57	2
Ethylbenzene	10	U	10	1.5	ug/L			10/26/16 03:57	2
Methylene Chloride	10	U	10	0.88	ug/L			10/26/16 03:57	2
m&p-Xylene	10	U	10	1.3	ug/L			10/26/16 03:57	2
o-Xylene	10	U	10	1.5	ug/L			10/26/16 03:57	2
Tetrachloroethene	10	U	10	0.72	ug/L			10/26/16 03:57	2
Toluene	10	U	10	1.0	ug/L			10/26/16 03:57	2
trans-1,2-Dichloroethene	10	U	10	1.8	ug/L			10/26/16 03:57	2
trans-1,3-Dichloropropene	10	U	10	0.74	ug/L			10/26/16 03:57	2
Trichloroethene	10	U	10	0.92	ug/L			10/26/16 03:57	2
Vinyl chloride	20	U	20	1.8	ug/L			10/26/16 03:57	2
cis-1,3-Dichloropropene	10	U	10	0.72	ug/L			10/26/16 03:57	2
Styrene	10	U	10	1.5	ug/L			10/26/16 03:57	2
3-Methylthiophene	20	U	20	1.1	ug/L			10/26/16 03:57	2

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*10/26/16 03:57*	*2*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*77 - 120*		*10/26/16 03:57*	*2*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*		*10/26/16 03:57*	*2*
Dibromofluoromethane (Surr)	*112*		*75 - 123*		*10/26/16 03:57*	*2*
Toluene-d8 (Surr)	*96*		*80 - 120*		*10/26/16 03:57*	*2*

Client Sample ID: SW-007830-102116-BP-019
Date Collected: 10/21/16 14:00
Date Received: 10/22/16 09:00

Lab Sample ID: 480-108247-19
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	100	U	100	4.6	ug/L		10/24/16 07:42	10/27/16 12:58	10
1,2-Dichlorobenzene	100	U	100	4.2	ug/L		10/24/16 07:42	10/27/16 12:58	10
1,3-Dichlorobenzene	100	U	100	5.0	ug/L		10/24/16 07:42	10/27/16 12:58	10
1,4-Dichlorobenzene	100	U	100	4.8	ug/L		10/24/16 07:42	10/27/16 12:58	10
2,4,5-Trichlorophenol	52	U	52	5.0	ug/L		10/24/16 07:42	10/27/16 12:58	10
2,4,6-Trichlorophenol	52	U	52	6.4	ug/L		10/24/16 07:42	10/27/16 12:58	10
2,4-Dichlorophenol	52	U	52	5.3	ug/L		10/24/16 07:42	10/27/16 12:58	10
2,4-Dimethylphenol	52	U	52	5.2	ug/L		10/24/16 07:42	10/27/16 12:58	10
2,4-Dinitrophenol	100	U	100	23	ug/L		10/24/16 07:42	10/27/16 12:58	10
2,4-Dinitrotoluene	52	U	52	4.7	ug/L		10/24/16 07:42	10/27/16 12:58	10
2,6-Dinitrotoluene	52	U	52	4.2	ug/L		10/24/16 07:42	10/27/16 12:58	10
2-Chloronaphthalene	52	U	52	4.8	ug/L		10/24/16 07:42	10/27/16 12:58	10
2-Chlorophenol	52	U	52	5.5	ug/L		10/24/16 07:42	10/27/16 12:58	10
2-Methylnaphthalene	52	U	52	6.3	ug/L		10/24/16 07:42	10/27/16 12:58	10
2-Methylphenol	52	U	52	4.2	ug/L		10/24/16 07:42	10/27/16 12:58	10
2-Nitroaniline	100	U	100	4.4	ug/L		10/24/16 07:42	10/27/16 12:58	10
2-Nitrophenol	52	U	52	5.0	ug/L		10/24/16 07:42	10/27/16 12:58	10
3,3'-Dichlorobenzidine	52	U	52	4.2	ug/L		10/24/16 07:42	10/27/16 12:58	10
3-Nitroaniline	100	U	100	5.0	ug/L		10/24/16 07:42	10/27/16 12:58	10
4,6-Dinitro-2-methylphenol	100	U	100	23	ug/L		10/24/16 07:42	10/27/16 12:58	10
4-Bromophenyl phenyl ether	52	U	52	4.7	ug/L		10/24/16 07:42	10/27/16 12:58	10
4-Chloro-3-methylphenol	52	U	52	4.7	ug/L		10/24/16 07:42	10/27/16 12:58	10
4-Chloroaniline	52	U	52	6.2	ug/L		10/24/16 07:42	10/27/16 12:58	10
4-Chlorophenyl phenyl ether	52	U	52	3.7	ug/L		10/24/16 07:42	10/27/16 12:58	10
4-Methylphenol	100	U	100	3.8	ug/L		10/24/16 07:42	10/27/16 12:58	10
4-Nitroaniline	100	U	100	2.6	ug/L		10/24/16 07:42	10/27/16 12:58	10
4-Nitrophenol	100	U	100	16	ug/L		10/24/16 07:42	10/27/16 12:58	10
Acenaphthene	52	U	52	4.3	ug/L		10/24/16 07:42	10/27/16 12:58	10
Acenaphthylene	52	U	52	4.0	ug/L		10/24/16 07:42	10/27/16 12:58	10
Anthracene	52	U	52	2.9	ug/L		10/24/16 07:42	10/27/16 12:58	10
Benzaldehyde	52	U	52	2.8	ug/L		10/24/16 07:42	10/27/16 12:58	10
Benzo[a]anthracene	52	U	52	3.8	ug/L		10/24/16 07:42	10/27/16 12:58	10
Benzo[a]pyrene	52	U	52	4.9	ug/L		10/24/16 07:42	10/27/16 12:58	10
Benzo[b]fluoranthene	52	U	52	3.6	ug/L		10/24/16 07:42	10/27/16 12:58	10
Benzo[g,h,i]perylene	52	U	52	3.7	ug/L		10/24/16 07:42	10/27/16 12:58	10
Benzo[k]fluoranthene	52	U	52	7.6	ug/L		10/24/16 07:42	10/27/16 12:58	10
bis (2-chloroisopropyl) ether	52	U	52	5.4	ug/L		10/24/16 07:42	10/27/16 12:58	10
Bis(2-chloroethoxy)methane	52	U	52	3.7	ug/L		10/24/16 07:42	10/27/16 12:58	10
Bis(2-chloroethyl)ether	52	U	52	4.2	ug/L		10/24/16 07:42	10/27/16 12:58	10
Bis(2-ethylhexyl) phthalate	52	U	52	23	ug/L		10/24/16 07:42	10/27/16 12:58	10
Butyl benzyl phthalate	52	U	52	10	ug/L		10/24/16 07:42	10/27/16 12:58	10
Carbazole	52	U	52	3.1	ug/L		10/24/16 07:42	10/27/16 12:58	10
Chrysene	52	U	52	3.4	ug/L		10/24/16 07:42	10/27/16 12:58	10
Dibenz(a,h)anthracene	52	U	52	4.4	ug/L		10/24/16 07:42	10/27/16 12:58	10
Dibenzofuran	100	U	100	5.3	ug/L		10/24/16 07:42	10/27/16 12:58	10
Diethyl phthalate	52	U	52	2.3	ug/L		10/24/16 07:42	10/27/16 12:58	10
Dimethyl phthalate	52	U	52	3.8	ug/L		10/24/16 07:42	10/27/16 12:58	10
Di-n-butyl phthalate	52	U	52	3.2	ug/L		10/24/16 07:42	10/27/16 12:58	10
Di-n-octyl phthalate	52	U	52	4.9	ug/L		10/24/16 07:42	10/27/16 12:58	10

Client Sample ID: SW-007830-102116-BP-019
Lab Sample ID: 480-108247-19
Date Collected: 10/21/16 14:00
Matrix: Water
Date Received: 10/22/16 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	52	U	52	4.2	ug/L		10/24/16 07:42	10/27/16 12:58	10
Fluorene	52	U	52	3.8	ug/L		10/24/16 07:42	10/27/16 12:58	10
Hexachlorobenzene	52	U	52	5.3	ug/L		10/24/16 07:42	10/27/16 12:58	10
Hexachlorobutadiene	52	U	52	7.1	ug/L		10/24/16 07:42	10/27/16 12:58	10
Hexachlorocyclopentadiene	52	U	52	6.2	ug/L		10/24/16 07:42	10/27/16 12:58	10
Hexachloroethane	52	U	52	6.2	ug/L		10/24/16 07:42	10/27/16 12:58	10
Indeno[1,2,3-cd]pyrene	52	U	52	4.9	ug/L		10/24/16 07:42	10/27/16 12:58	10
Isophorone	52	U	52	4.5	ug/L		10/24/16 07:42	10/27/16 12:58	10
Naphthalene	52	U	52	7.9	ug/L		10/24/16 07:42	10/27/16 12:58	10
Nitrobenzene	52	U	52	3.0	ug/L		10/24/16 07:42	10/27/16 12:58	10
N-Nitrosodi-n-propylamine	52	U	52	5.6	ug/L		10/24/16 07:42	10/27/16 12:58	10
N-Nitrosodiphenylamine	52	U	52	5.3	ug/L		10/24/16 07:42	10/27/16 12:58	10
Pentachlorophenol	100	U	100	23	ug/L		10/24/16 07:42	10/27/16 12:58	10
Phenanthrene	52	U	52	4.6	ug/L		10/24/16 07:42	10/27/16 12:58	10
Phenol	52	U	52	4.1	ug/L		10/24/16 07:42	10/27/16 12:58	10
Pyrene	52	U	52	3.6	ug/L		10/24/16 07:42	10/27/16 12:58	10

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*39*	*T J*	*ug/L*		*5.08*		*10/24/16 07:42*	*10/27/16 12:58*	*10*
Unknown	*21*	*T J*	*ug/L*		*9.60*		*10/24/16 07:42*	*10/27/16 12:58*	*10*
Unknown	*22*	*T J*	*ug/L*		*9.72*		*10/24/16 07:42*	*10/27/16 12:58*	*10*
Unknown	*25*	*T J*	*ug/L*		*9.83*		*10/24/16 07:42*	*10/27/16 12:58*	*10*
Unknown	*17*	*T J*	*ug/L*		*9.87*		*10/24/16 07:42*	*10/27/16 12:58*	*10*
Unknown	*25*	*T J*	*ug/L*		*10.25*		*10/24/16 07:42*	*10/27/16 12:58*	*10*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*80*		*52 - 132*	*10/24/16 07:42*	*10/27/16 12:58*	*10*
2-Fluorobiphenyl	*83*		*48 - 120*	*10/24/16 07:42*	*10/27/16 12:58*	*10*
2-Fluorophenol (Surr)	*63*		*20 - 120*	*10/24/16 07:42*	*10/27/16 12:58*	*10*
Nitrobenzene-d5 (Surr)	*70*		*46 - 120*	*10/24/16 07:42*	*10/27/16 12:58*	*10*
Phenol-d5 (Surr)	*48*		*16 - 120*	*10/24/16 07:42*	*10/27/16 12:58*	*10*
p-Terphenyl-d14 (Surr)	*81*		*67 - 150*	*10/24/16 07:42*	*10/27/16 12:58*	*10*

Client: GHD Services Inc.
Project/Site: Sterling Site 3

TestAmerica Job ID: 480-108247-1

Client Sample ID: SW-007830-102116-BP-020 — **Lab Sample ID: 480-108247-20**
Date Collected: 10/21/16 15:00 — **Matrix: Water**
Date Received: 10/22/16 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	25	U	25	4.1	ug/L			10/26/16 04:24	5
1,1,2,2-Tetrachloroethane	25	U	25	1.1	ug/L			10/26/16 04:24	5
1,1,2-Trichloroethane	25	U	25	1.2	ug/L			10/26/16 04:24	5
1,1-Dichloroethane	25	U	25	1.9	ug/L			10/26/16 04:24	5
1,1-Dichloroethene	25	U	25	1.5	ug/L			10/26/16 04:24	5
1,2-Dichloroethane	25	U	25	1.1	ug/L			10/26/16 04:24	5
1,2-Dichloropropane	25	U	25	3.6	ug/L			10/26/16 04:24	5
2-Butanone (MEK)	50	U	50	6.6	ug/L			10/26/16 04:24	5
2-Hexanone	50	U	50	6.2	ug/L			10/26/16 04:24	5
2-Methylthiophene	50	U	50	2.2	ug/L			10/26/16 04:24	5
4-Methyl-2-pentanone (MIBK)	50	U	50	11	ug/L			10/26/16 04:24	5
Acetone	**15**	**J**	50	15	ug/L			10/26/16 04:24	5
Benzene	5.0	U	5.0	2.1	ug/L			10/26/16 04:24	5
Bromoform	25	U	25	1.3	ug/L			10/26/16 04:24	5
Bromomethane	50	U	50	3.5	ug/L			10/26/16 04:24	5
Carbon disulfide	25	U	25	0.95	ug/L			10/26/16 04:24	5
Carbon tetrachloride	25	U	25	1.4	ug/L			10/26/16 04:24	5
Chlorobenzene	25	U	25	3.8	ug/L			10/26/16 04:24	5
Dibromochloromethane	25	U	25	1.6	ug/L			10/26/16 04:24	5
Chloroethane	50	U	50	1.6	ug/L			10/26/16 04:24	5
Chloroform	25	U	25	1.7	ug/L			10/26/16 04:24	5
Chloromethane	50	U	50	1.8	ug/L			10/26/16 04:24	5
cis-1,2-Dichloroethene	25	U	25	4.1	ug/L			10/26/16 04:24	5
Bromodichloromethane	25	U	25	2.0	ug/L			10/26/16 04:24	5
Ethyl ether	50	U	50	3.6	ug/L			10/26/16 04:24	5
Ethylbenzene	25	U	25	3.7	ug/L			10/26/16 04:24	5
Methylene Chloride	25	U	25	2.2	ug/L			10/26/16 04:24	5
m&p-Xylene	25	U	25	3.3	ug/L			10/26/16 04:24	5
o-Xylene	25	U	25	3.8	ug/L			10/26/16 04:24	5
Tetrachloroethene	25	U	25	1.8	ug/L			10/26/16 04:24	5
Toluene	25	U	25	2.6	ug/L			10/26/16 04:24	5
trans-1,2-Dichloroethene	25	U	25	4.5	ug/L			10/26/16 04:24	5
trans-1,3-Dichloropropene	25	U	25	1.9	ug/L			10/26/16 04:24	5
Trichloroethene	25	U	25	2.3	ug/L			10/26/16 04:24	5
Vinyl chloride	50	U	50	4.5	ug/L			10/26/16 04:24	5
cis-1,3-Dichloropropene	25	U	25	1.8	ug/L			10/26/16 04:24	5
Styrene	25	U	25	3.7	ug/L			10/26/16 04:24	5
3-Methylthiophene	50	U	50	2.7	ug/L			10/26/16 04:24	5

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*10/26/16 04:24*	*5*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*10/26/16 04:24*	*5*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*10/26/16 04:24*	*5*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*10/26/16 04:24*	*5*
Toluene-d8 (Surr)	*98*		*80 - 120*		*10/26/16 04:24*	*5*

Client: GHD Services Inc.
Project/Site: Sterling Site 3

TestAmerica Job ID: 480-108247-1

Client Sample ID: SW-007830-102116-BP-020
Date Collected: 10/21/16 15:00
Date Received: 10/22/16 09:00

Lab Sample ID: 480-108247-20
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	100	U	100	4.5	ug/L		10/24/16 07:42	10/27/16 13:27	10
1,2-Dichlorobenzene	100	U	100	4.1	ug/L		10/24/16 07:42	10/27/16 13:27	10
1,3-Dichlorobenzene	100	U	100	4.9	ug/L		10/24/16 07:42	10/27/16 13:27	10
1,4-Dichlorobenzene	100	U	100	4.7	ug/L		10/24/16 07:42	10/27/16 13:27	10
2,4,5-Trichlorophenol	51	U	51	4.9	ug/L		10/24/16 07:42	10/27/16 13:27	10
2,4,6-Trichlorophenol	51	U	51	6.2	ug/L		10/24/16 07:42	10/27/16 13:27	10
2,4-Dichlorophenol	51	U	51	5.2	ug/L		10/24/16 07:42	10/27/16 13:27	10
2,4-Dimethylphenol	51	U	51	5.1	ug/L		10/24/16 07:42	10/27/16 13:27	10
2,4-Dinitrophenol	100	U	100	23	ug/L		10/24/16 07:42	10/27/16 13:27	10
2,4-Dinitrotoluene	51	U	51	4.5	ug/L		10/24/16 07:42	10/27/16 13:27	10
2,6-Dinitrotoluene	51	U	51	4.1	ug/L		10/24/16 07:42	10/27/16 13:27	10
2-Chloronaphthalene	51	U	51	4.7	ug/L		10/24/16 07:42	10/27/16 13:27	10
2-Chlorophenol	51	U	51	5.4	ug/L		10/24/16 07:42	10/27/16 13:27	10
2-Methylnaphthalene	51	U	51	6.1	ug/L		10/24/16 07:42	10/27/16 13:27	10
2-Methylphenol	51	U	51	4.1	ug/L		10/24/16 07:42	10/27/16 13:27	10
2-Nitroaniline	100	U	100	4.3	ug/L		10/24/16 07:42	10/27/16 13:27	10
2-Nitrophenol	51	U	51	4.9	ug/L		10/24/16 07:42	10/27/16 13:27	10
3,3'-Dichlorobenzidine	51	U	51	4.1	ug/L		10/24/16 07:42	10/27/16 13:27	10
3-Nitroaniline	100	U	100	4.9	ug/L		10/24/16 07:42	10/27/16 13:27	10
4,6-Dinitro-2-methylphenol	100	U	100	22	ug/L		10/24/16 07:42	10/27/16 13:27	10
4-Bromophenyl phenyl ether	51	U	51	4.6	ug/L		10/24/16 07:42	10/27/16 13:27	10
4-Chloro-3-methylphenol	51	U	51	4.6	ug/L		10/24/16 07:42	10/27/16 13:27	10
4-Chloroaniline	51	U	51	6.0	ug/L		10/24/16 07:42	10/27/16 13:27	10
4-Chlorophenyl phenyl ether	51	U	51	3.6	ug/L		10/24/16 07:42	10/27/16 13:27	10
4-Methylphenol	100	U	100	3.7	ug/L		10/24/16 07:42	10/27/16 13:27	10
4-Nitroaniline	100	U	100	2.5	ug/L		10/24/16 07:42	10/27/16 13:27	10
4-Nitrophenol	100	U	100	15	ug/L		10/24/16 07:42	10/27/16 13:27	10
Acenaphthene	51	U	51	4.2	ug/L		10/24/16 07:42	10/27/16 13:27	10
Acenaphthylene	51	U	51	3.9	ug/L		10/24/16 07:42	10/27/16 13:27	10
Anthracene	51	U	51	2.8	ug/L		10/24/16 07:42	10/27/16 13:27	10
Benzaldehyde	51	U	51	2.7	ug/L		10/24/16 07:42	10/27/16 13:27	10
Benzo[a]anthracene	51	U	51	3.7	ug/L		10/24/16 07:42	10/27/16 13:27	10
Benzo[a]pyrene	51	U	51	4.8	ug/L		10/24/16 07:42	10/27/16 13:27	10
Benzo[b]fluoranthene	**5.7**	**J**	51	3.5	ug/L		10/24/16 07:42	10/27/16 13:27	10
Benzo[g,h,i]perylene	51	U	51	3.6	ug/L		10/24/16 07:42	10/27/16 13:27	10
Benzo[k]fluoranthene	51	U	51	7.4	ug/L		10/24/16 07:42	10/27/16 13:27	10
bis (2-chloroisopropyl) ether	51	U	51	5.3	ug/L		10/24/16 07:42	10/27/16 13:27	10
Bis(2-chloroethoxy)methane	51	U	51	3.6	ug/L		10/24/16 07:42	10/27/16 13:27	10
Bis(2-chloroethyl)ether	51	U	51	4.1	ug/L		10/24/16 07:42	10/27/16 13:27	10
Bis(2-ethylhexyl) phthalate	51	U	51	22	ug/L		10/24/16 07:42	10/27/16 13:27	10
Butyl benzyl phthalate	51	U	51	10	ug/L		10/24/16 07:42	10/27/16 13:27	10
Carbazole	51	U	51	3.0	ug/L		10/24/16 07:42	10/27/16 13:27	10
Chrysene	51	U	51	3.3	ug/L		10/24/16 07:42	10/27/16 13:27	10
Dibenz(a,h)anthracene	51	U	51	4.3	ug/L		10/24/16 07:42	10/27/16 13:27	10
Dibenzofuran	100	U	100	5.2	ug/L		10/24/16 07:42	10/27/16 13:27	10
Diethyl phthalate	51	U	51	2.2	ug/L		10/24/16 07:42	10/27/16 13:27	10
Dimethyl phthalate	51	U	51	3.7	ug/L		10/24/16 07:42	10/27/16 13:27	10
Di-n-butyl phthalate	51	U	51	3.1	ug/L		10/24/16 07:42	10/27/16 13:27	10
Di-n-octyl phthalate	51	U	51	4.8	ug/L		10/24/16 07:42	10/27/16 13:27	10

Client: GHD Services Inc.
Project/Site: Sterling Site 3

TestAmerica Job ID: 480-108247-1

Client Sample ID: SW-007830-102116-BP-020
Date Collected: 10/21/16 15:00
Date Received: 10/22/16 09:00

Lab Sample ID: 480-108247-20
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	**6.5**	**J**	51	4.1	ug/L		10/24/16 07:42	10/27/16 13:27	10
Fluorene	51	U	51	3.7	ug/L		10/24/16 07:42	10/27/16 13:27	10
Hexachlorobenzene	51	U	51	5.2	ug/L		10/24/16 07:42	10/27/16 13:27	10
Hexachlorobutadiene	51	U	51	6.9	ug/L		10/24/16 07:42	10/27/16 13:27	10
Hexachlorocyclopentadiene	51	U	51	6.0	ug/L		10/24/16 07:42	10/27/16 13:27	10
Hexachloroethane	51	U	51	6.0	ug/L		10/24/16 07:42	10/27/16 13:27	10
Indeno[1,2,3-cd]pyrene	51	U	51	4.8	ug/L		10/24/16 07:42	10/27/16 13:27	10
Isophorone	51	U	51	4.4	ug/L		10/24/16 07:42	10/27/16 13:27	10
Naphthalene	51	U	51	7.7	ug/L		10/24/16 07:42	10/27/16 13:27	10
Nitrobenzene	51	U	51	2.9	ug/L		10/24/16 07:42	10/27/16 13:27	10
N-Nitrosodi-n-propylamine	51	U	51	5.5	ug/L		10/24/16 07:42	10/27/16 13:27	10
N-Nitrosodiphenylamine	51	U	51	5.2	ug/L		10/24/16 07:42	10/27/16 13:27	10
Pentachlorophenol	100	U	100	22	ug/L		10/24/16 07:42	10/27/16 13:27	10
Phenanthrene	51	U	51	4.5	ug/L		10/24/16 07:42	10/27/16 13:27	10
Phenol	51	U	51	4.0	ug/L		10/24/16 07:42	10/27/16 13:27	10
Pyrene	**5.0**	**J**	51	3.5	ug/L		10/24/16 07:42	10/27/16 13:27	10

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*44*	*T J*	*ug/L*		*5.08*		*10/24/16 07:42*	*10/27/16 13:27*	*10*
Unknown	*29*	*T J*	*ug/L*		*9.72*		*10/24/16 07:42*	*10/27/16 13:27*	*10*
Unknown	*27*	*T J*	*ug/L*		*10.25*		*10/24/16 07:42*	*10/27/16 13:27*	*10*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*74*		*52 - 132*	*10/24/16 07:42*	*10/27/16 13:27*	*10*
2-Fluorobiphenyl	*87*		*48 - 120*	*10/24/16 07:42*	*10/27/16 13:27*	*10*
2-Fluorophenol (Surr)	*64*		*20 - 120*	*10/24/16 07:42*	*10/27/16 13:27*	*10*
Nitrobenzene-d5 (Surr)	*77*		*46 - 120*	*10/24/16 07:42*	*10/27/16 13:27*	*10*
Phenol-d5 (Surr)	*47*		*16 - 120*	*10/24/16 07:42*	*10/27/16 13:27*	*10*
p-Terphenyl-d14 (Surr)	*77*		*67 - 150*	*10/24/16 07:42*	*10/27/16 13:27*	*10*

Client: GHD Services Inc.
Project/Site: Sterling Site 3

TestAmerica Job ID: 480-108247-1

Client Sample ID: TRIP BLANKS
Date Collected: 10/20/16 00:00
Date Received: 10/22/16 09:00

Lab Sample ID: 480-108247-21
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.0	U	5.0	0.82	ug/L			10/26/16 04:51	1
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.21	ug/L			10/26/16 04:51	1
1,1,2-Trichloroethane	5.0	U	5.0	0.23	ug/L			10/26/16 04:51	1
1,1-Dichloroethane	5.0	U	5.0	0.38	ug/L			10/26/16 04:51	1
1,1-Dichloroethene	5.0	U	5.0	0.29	ug/L			10/26/16 04:51	1
1,2-Dichloroethane	5.0	U	5.0	0.21	ug/L			10/26/16 04:51	1
1,2-Dichloropropane	5.0	U	5.0	0.72	ug/L			10/26/16 04:51	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			10/26/16 04:51	1
2-Hexanone	10	U	10	1.2	ug/L			10/26/16 04:51	1
2-Methylthiophene	10	U	10	0.44	ug/L			10/26/16 04:51	1
4-Methyl-2-pentanone (MIBK)	10	U	10	2.1	ug/L			10/26/16 04:51	1
Acetone	10	U	10	3.0	ug/L			10/26/16 04:51	1
Benzene	1.0	U	1.0	0.41	ug/L			10/26/16 04:51	1
Bromoform	5.0	U	5.0	0.26	ug/L			10/26/16 04:51	1
Bromomethane	10	U	10	0.69	ug/L			10/26/16 04:51	1
Carbon disulfide	5.0	U	5.0	0.19	ug/L			10/26/16 04:51	1
Carbon tetrachloride	5.0	U	5.0	0.27	ug/L			10/26/16 04:51	1
Chlorobenzene	5.0	U	5.0	0.75	ug/L			10/26/16 04:51	1
Dibromochloromethane	5.0	U	5.0	0.32	ug/L			10/26/16 04:51	1
Chloroethane	10	U	10	0.32	ug/L			10/26/16 04:51	1
Chloroform	5.0	U	5.0	0.34	ug/L			10/26/16 04:51	1
Chloromethane	10	U	10	0.35	ug/L			10/26/16 04:51	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.81	ug/L			10/26/16 04:51	1
Bromodichloromethane	5.0	U	5.0	0.39	ug/L			10/26/16 04:51	1
Ethyl ether	10	U	10	0.72	ug/L			10/26/16 04:51	1
Ethylbenzene	5.0	U	5.0	0.74	ug/L			10/26/16 04:51	1
Methylene Chloride	5.0	U	5.0	0.44	ug/L			10/26/16 04:51	1
m&p-Xylene	5.0	U	5.0	0.66	ug/L			10/26/16 04:51	1
o-Xylene	5.0	U	5.0	0.76	ug/L			10/26/16 04:51	1
Tetrachloroethene	5.0	U	5.0	0.36	ug/L			10/26/16 04:51	1
Toluene	5.0	U	5.0	0.51	ug/L			10/26/16 04:51	1
trans-1,2-Dichloroethene	5.0	U	5.0	0.90	ug/L			10/26/16 04:51	1
trans-1,3-Dichloropropene	5.0	U	5.0	0.37	ug/L			10/26/16 04:51	1
Trichloroethene	5.0	U	5.0	0.46	ug/L			10/26/16 04:51	1
Vinyl chloride	10	U	10	0.90	ug/L			10/26/16 04:51	1
cis-1,3-Dichloropropene	5.0	U	5.0	0.36	ug/L			10/26/16 04:51	1
Styrene	5.0	U	5.0	0.73	ug/L			10/26/16 04:51	1
3-Methylthiophene	10	U	10	0.53	ug/L			10/26/16 04:51	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*10/26/16 04:51*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*77 - 120*		*10/26/16 04:51*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*10/26/16 04:51*	*1*
Dibromofluoromethane (Surr)	*112*		*75 - 123*		*10/26/16 04:51*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*10/26/16 04:51*	*1*

Client: GHD Services Inc.
Project/Site: Sterling Site 3

TestAmerica Job ID: 480-108247-1

Client Sample ID: TRIP BLANKS
Date Collected: 10/21/16 00:00
Date Received: 10/22/16 09:00

Lab Sample ID: 480-108247-22
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.0	U	5.0	0.82	ug/L			10/26/16 05:17	1
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.21	ug/L			10/26/16 05:17	1
1,1,2-Trichloroethane	5.0	U	5.0	0.23	ug/L			10/26/16 05:17	1
1,1-Dichloroethane	5.0	U	5.0	0.38	ug/L			10/26/16 05:17	1
1,1-Dichloroethene	5.0	U	5.0	0.29	ug/L			10/26/16 05:17	1
1,2-Dichloroethane	5.0	U	5.0	0.21	ug/L			10/26/16 05:17	1
1,2-Dichloropropane	5.0	U	5.0	0.72	ug/L			10/26/16 05:17	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			10/26/16 05:17	1
2-Hexanone	10	U	10	1.2	ug/L			10/26/16 05:17	1
2-Methylthiophene	10	U	10	0.44	ug/L			10/26/16 05:17	1
4-Methyl-2-pentanone (MIBK)	10	U	10	2.1	ug/L			10/26/16 05:17	1
Acetone	10	U	10	3.0	ug/L			10/26/16 05:17	1
Benzene	1.0	U	1.0	0.41	ug/L			10/26/16 05:17	1
Bromoform	5.0	U	5.0	0.26	ug/L			10/26/16 05:17	1
Bromomethane	10	U	10	0.69	ug/L			10/26/16 05:17	1
Carbon disulfide	5.0	U	5.0	0.19	ug/L			10/26/16 05:17	1
Carbon tetrachloride	5.0	U	5.0	0.27	ug/L			10/26/16 05:17	1
Chlorobenzene	5.0	U	5.0	0.75	ug/L			10/26/16 05:17	1
Dibromochloromethane	5.0	U	5.0	0.32	ug/L			10/26/16 05:17	1
Chloroethane	10	U	10	0.32	ug/L			10/26/16 05:17	1
Chloroform	5.0	U	5.0	0.34	ug/L			10/26/16 05:17	1
Chloromethane	10	U	10	0.35	ug/L			10/26/16 05:17	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.81	ug/L			10/26/16 05:17	1
Bromodichloromethane	5.0	U	5.0	0.39	ug/L			10/26/16 05:17	1
Ethyl ether	10	U	10	0.72	ug/L			10/26/16 05:17	1
Ethylbenzene	5.0	U	5.0	0.74	ug/L			10/26/16 05:17	1
Methylene Chloride	5.0	U	5.0	0.44	ug/L			10/26/16 05:17	1
m&p-Xylene	5.0	U	5.0	0.66	ug/L			10/26/16 05:17	1
o-Xylene	5.0	U	5.0	0.76	ug/L			10/26/16 05:17	1
Tetrachloroethene	5.0	U	5.0	0.36	ug/L			10/26/16 05:17	1
Toluene	5.0	U	5.0	0.51	ug/L			10/26/16 05:17	1
trans-1,2-Dichloroethene	5.0	U	5.0	0.90	ug/L			10/26/16 05:17	1
trans-1,3-Dichloropropene	5.0	U	5.0	0.37	ug/L			10/26/16 05:17	1
Trichloroethene	5.0	U	5.0	0.46	ug/L			10/26/16 05:17	1
Vinyl chloride	10	U	10	0.90	ug/L			10/26/16 05:17	1
cis-1,3-Dichloropropene	5.0	U	5.0	0.36	ug/L			10/26/16 05:17	1
Styrene	5.0	U	5.0	0.73	ug/L			10/26/16 05:17	1
3-Methylthiophene	10	U	10	0.53	ug/L			10/26/16 05:17	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*10/26/16 05:17*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*		*10/26/16 05:17*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*10/26/16 05:17*	*1*
Dibromofluoromethane (Surr)	*109*		*75 - 123*		*10/26/16 05:17*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*10/26/16 05:17*	*1*

Surrogate Summary

Client: GHD Services Inc.
Project/Site: Sterling Site 3

TestAmerica Job ID: 480-108247-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	12DCE (77-120)	BFB (73-120)	DBFM (75-123)	TOL (80-120)
480-108247-1	WG-007830-102016-BP-001	108	103	109	101
480-108247-2	WG-007830-102016-BP-002	111	104	111	96
480-108247-3	WG-007830-102016-BP-003	107	105	105	99
480-108247-4	WG-007830-102016-BP-004	109	105	108	99
480-108247-4 MS	WG-007830-102016-BP-004	109	107	110	102
480-108247-4 MSD	WG-007830-102016-BP-004	107	106	108	100
480-108247-5	WG-007830-102016-BP-005	111	105	114	100
480-108247-6	WG-007830-102016-BP-006	112	104	106	100
480-108247-7	WG-007830-102016-BP-007	108	105	110	101
480-108247-8	WG-007830-102016-BP-008	108	104	109	96
480-108247-9	WG-007830-102016-BP-009	107	106	109	99
480-108247-10	WG-007830-102016-BP-010	109	102	110	99
480-108247-10 - DL	WG-007830-102016-BP-010	114	105	113	98
480-108247-11	WG-007830-102116-BP-011	106	104	107	100
480-108247-11 - DL	WG-007830-102116-BP-011	111	106	110	98
480-108247-11 MS	WG-007830-102116-BP-011	107	108	107	100
480-108247-11 MSD	WG-007830-102116-BP-011	107	105	107	100
480-108247-12	WG-007830-102116-BP-012	107	105	106	97
480-108247-13	WG-007830-102116-BP-013	112	104	110	99
480-108247-14	WG-007830-102116-BP-014	115	102	116	98
480-108247-15	WG-007830-102116-BP-015	109	98	105	99
480-108247-15 - DL	WG-007830-102116-BP-015	111	105	111	98
480-108247-15 MS	WG-007830-102116-BP-015	99	106	106	98
480-108247-15 MSD	WG-007830-102116-BP-015	101	106	108	97
480-108247-16	WG-007830-102116-BP-016	104	103	106	98
480-108247-17	WG-007830-102116-BP-017	108	106	109	100
480-108247-18	WG-007830-102116-BP-018	108	100	110	97
480-108247-18 - DL	WG-007830-102116-BP-018	105	104	109	96
480-108247-19	SW-007830-102116-BP-019	112	108	112	96
480-108247-20	SW-007830-102116-BP-020	107	106	107	98
480-108247-21	TRIP BLANKS	112	103	112	96
480-108247-22	TRIP BLANKS	108	104	109	98
LCS 480-327394/5	Lab Control Sample	104	109	104	99
LCS 480-327548/4	Lab Control Sample	108	105	109	100
LCS 480-327640/4	Lab Control Sample	108	103	112	99
LCS 480-327744/7	Lab Control Sample	104	105	106	98
MB 480-327394/9	Method Blank	111	103	110	98
MB 480-327548/6	Method Blank	111	109	111	98
MB 480-327640/7	Method Blank	113	105	110	98
MB 480-327744/9	Method Blank	108	102	109	95

Surrogate Legend

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

Surrogate Summary

Client: GHD Services Inc.
Project/Site: Sterling Site 3

TestAmerica Job ID: 480-108247-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPH
Lab Sample ID	Client Sample ID	(52-132)	(48-120)	(20-120)	(46-120)	(16-120)	(67-150)
480-108247-1	WG-007830-102016-BP-001	89	88	68	77	50	83
480-108247-2	WG-007830-102016-BP-002	82	85	75	73	61	82
480-108247-2 MS	WG-007830-102016-BP-002	88	87	80	80	75	90
480-108247-2 MSD	WG-007830-102016-BP-002	82	82	77	75	71	88
480-108247-3	WG-007830-102016-BP-003	83	84	64	75	47	82
480-108247-3 - RE	WG-007830-102016-BP-003	89	86	66	73	50	75
480-108247-4	WG-007830-102016-BP-004	91	88	69	81	51	75
480-108247-5	WG-007830-102016-BP-005	87	91	73	78	58	84
480-108247-6	WG-007830-102016-BP-006	90	89	69	81	50	73
480-108247-7	WG-007830-102016-BP-007	94	91	71	80	51	80
480-108247-8	WG-007830-102016-BP-008	74	93	69	80	51	69
480-108247-9	WG-007830-102016-BP-009	66	85	65	70	48	81
480-108247-9 - RE	WG-007830-102016-BP-009	75	91	81	73	78	100
480-108247-10	WG-007830-102016-BP-010	95	92	73	81	52	79
480-108247-11	WG-007830-102116-BP-011	91	87	72	76	55	78
480-108247-12	WG-007830-102116-BP-012	80	87	68	76	49	69
480-108247-13	WG-007830-102116-BP-013	71	90	70	77	52	74
480-108247-14	WG-007830-102116-BP-014	85	87	71	77	52	80
480-108247-15	WG-007830-102116-BP-015	80	90	69	82	54	68
480-108247-16	WG-007830-102116-BP-016	95	96	80	83	56	79
480-108247-17	WG-007830-102116-BP-017	75	89	71	77	57	79
480-108247-18	WG-007830-102116-BP-018	53	87	62	78	47	64 X
480-108247-19	SW-007830-102116-BP-019	80	83	63	70	48	81
480-108247-20	SW-007830-102116-BP-020	74	87	64	77	47	77
LCS 480-327225/2-A	Lab Control Sample	88	84	70	79	56	95
LCS 480-328173/2-A	Lab Control Sample	62	63	54	57	44	71
MB 480-327225/1-A	Method Blank	75	79	66	73	50	99
MB 480-328173/1-A	Method Blank	70	88	69	76	52	94

Surrogate Legend

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

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

Lab Sample ID: MB 480-327394/9
Matrix: Water
Analysis Batch: 327394

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.0	U	5.0	0.82	ug/L			10/24/16 22:52	1
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.21	ug/L			10/24/16 22:52	1
1,1,2-Trichloroethane	5.0	U	5.0	0.23	ug/L			10/24/16 22:52	1
1,1-Dichloroethane	5.0	U	5.0	0.38	ug/L			10/24/16 22:52	1
1,1-Dichloroethene	5.0	U	5.0	0.29	ug/L			10/24/16 22:52	1
1,2-Dichloroethane	5.0	U	5.0	0.21	ug/L			10/24/16 22:52	1
1,2-Dichloropropane	5.0	U	5.0	0.72	ug/L			10/24/16 22:52	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			10/24/16 22:52	1
2-Hexanone	10	U	10	1.2	ug/L			10/24/16 22:52	1
2-Methylthiophene	10	U	10	0.44	ug/L			10/24/16 22:52	1
4-Methyl-2-pentanone (MIBK)	10	U	10	2.1	ug/L			10/24/16 22:52	1
Acetone	10	U	10	3.0	ug/L			10/24/16 22:52	1
Benzene	1.0	U	1.0	0.41	ug/L			10/24/16 22:52	1
Bromoform	5.0	U	5.0	0.26	ug/L			10/24/16 22:52	1
Bromomethane	10	U	10	0.69	ug/L			10/24/16 22:52	1
Carbon disulfide	5.0	U	5.0	0.19	ug/L			10/24/16 22:52	1
Carbon tetrachloride	5.0	U	5.0	0.27	ug/L			10/24/16 22:52	1
Chlorobenzene	5.0	U	5.0	0.75	ug/L			10/24/16 22:52	1
Dibromochloromethane	5.0	U	5.0	0.32	ug/L			10/24/16 22:52	1
Chloroethane	10	U	10	0.32	ug/L			10/24/16 22:52	1
Chloroform	5.0	U	5.0	0.34	ug/L			10/24/16 22:52	1
Chloromethane	10	U	10	0.35	ug/L			10/24/16 22:52	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.81	ug/L			10/24/16 22:52	1
Bromodichloromethane	5.0	U	5.0	0.39	ug/L			10/24/16 22:52	1
Ethyl ether	10	U	10	0.72	ug/L			10/24/16 22:52	1
Ethylbenzene	5.0	U	5.0	0.74	ug/L			10/24/16 22:52	1
Methylene Chloride	5.0	U	5.0	0.44	ug/L			10/24/16 22:52	1
m&p-Xylene	5.0	U	5.0	0.66	ug/L			10/24/16 22:52	1
o-Xylene	5.0	U	5.0	0.76	ug/L			10/24/16 22:52	1
Tetrachloroethene	5.0	U	5.0	0.36	ug/L			10/24/16 22:52	1
Toluene	5.0	U	5.0	0.51	ug/L			10/24/16 22:52	1
trans-1,2-Dichloroethene	5.0	U	5.0	0.90	ug/L			10/24/16 22:52	1
trans-1,3-Dichloropropene	5.0	U	5.0	0.37	ug/L			10/24/16 22:52	1
Trichloroethene	5.0	U	5.0	0.46	ug/L			10/24/16 22:52	1
Vinyl chloride	10	U	10	0.90	ug/L			10/24/16 22:52	1
cis-1,3-Dichloropropene	5.0	U	5.0	0.36	ug/L			10/24/16 22:52	1
Styrene	5.0	U	5.0	0.73	ug/L			10/24/16 22:52	1
3-Methylthiophene	10	U	10	0.53	ug/L			10/24/16 22:52	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*10/24/16 22:52*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 120*		*10/24/16 22:52*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*10/24/16 22:52*	*1*
Dibromofluoromethane (Surr)	*110*		*75 - 123*		*10/24/16 22:52*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*10/24/16 22:52*	*1*

Lab Sample ID: LCS 480-327394/5
Matrix: Water
Analysis Batch: 327394

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	25.2		ug/L		101	73 - 126
1,1,2,2-Tetrachloroethane	25.0	19.8		ug/L		79	76 - 120
1,1,2-Trichloroethane	25.0	23.2		ug/L		93	76 - 122
1,1-Dichloroethane	25.0	23.0		ug/L		92	77 - 120
1,1-Dichloroethene	25.0	22.9		ug/L		91	66 - 127
1,2-Dichloroethane	25.0	25.2		ug/L		101	75 - 120
1,2-Dichloropropane	25.0	24.7		ug/L		99	76 - 120
2-Butanone (MEK)	125	124		ug/L		99	57 - 140
2-Hexanone	125	128		ug/L		102	65 - 127
4-Methyl-2-pentanone (MIBK)	125	110		ug/L		88	71 - 125
Acetone	125	134		ug/L		107	56 - 142
Benzene	25.0	25.0		ug/L		100	71 - 124
Bromoform	25.0	23.2		ug/L		93	61 - 132
Bromomethane	25.0	21.3		ug/L		85	55 - 144
Carbon disulfide	25.0	20.8		ug/L		83	59 - 134
Carbon tetrachloride	25.0	25.6		ug/L		102	72 - 134
Chlorobenzene	25.0	24.4		ug/L		98	80 - 120
Dibromochloromethane	25.0	25.4		ug/L		102	75 - 125
Chloroethane	25.0	21.9		ug/L		88	69 - 136
Chloroform	25.0	23.7		ug/L		95	73 - 127
Chloromethane	25.0	18.8		ug/L		75	68 - 124
cis-1,2-Dichloroethene	25.0	24.1		ug/L		96	74 - 124
Bromodichloromethane	25.0	25.2		ug/L		101	80 - 122
Ethyl ether	25.0	24.2		ug/L		97	76 - 123
Ethylbenzene	25.0	23.5		ug/L		94	77 - 123
Methylene Chloride	25.0	24.1		ug/L		97	75 - 124
m&p-Xylene	25.0	24.5		ug/L		98	76 - 122
o-Xylene	25.0	24.0		ug/L		96	76 - 122
Tetrachloroethene	25.0	27.7		ug/L		111	74 - 122
Toluene	25.0	24.1		ug/L		96	80 - 122
trans-1,2-Dichloroethene	25.0	23.3		ug/L		93	73 - 127
trans-1,3-Dichloropropene	25.0	22.9		ug/L		92	80 - 120
Trichloroethene	25.0	26.4		ug/L		105	74 - 123
Vinyl chloride	25.0	21.2		ug/L		85	65 - 133
cis-1,3-Dichloropropene	25.0	23.7		ug/L		95	74 - 124
Styrene	25.0	23.6		ug/L		95	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*
Dibromofluoromethane (Surr)	*104*		*75 - 123*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: 480-108247-4 MS
Matrix: Water
Analysis Batch: 327394

Client Sample ID: WG-007830-102016-BP-004
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	100	U	500	571		ug/L		114	73 - 126
1,1,2,2-Tetrachloroethane	100	U	500	399		ug/L		80	76 - 120

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

Lab Sample ID: 480-108247-4 MS
Matrix: Water
Analysis Batch: 327394

Client Sample ID: WG-007830-102016-BP-004
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2-Trichloroethane	100	U	500	483		ug/L		97	76 - 122
1,1-Dichloroethane	100	U	500	494		ug/L		99	77 - 120
1,1-Dichloroethene	100	U	500	532		ug/L		106	66 - 127
1,2-Dichloroethane	100	U	500	550		ug/L		110	75 - 120
1,2-Dichloropropane	100	U	500	507		ug/L		101	76 - 120
2-Butanone (MEK)	200	U	2500	2360		ug/L		94	57 - 140
2-Hexanone	200	U	2500	2480		ug/L		99	65 - 127
4-Methyl-2-pentanone (MIBK)	200	U	2500	2280		ug/L		91	71 - 125
Acetone	200	U	2500	2240		ug/L		90	56 - 142
Benzene	20		500	552		ug/L		107	71 - 124
Bromoform	100	U	500	444		ug/L		89	61 - 132
Bromomethane	200	U	500	497		ug/L		99	55 - 144
Carbon disulfide	100	U	500	442		ug/L		88	59 - 134
Carbon tetrachloride	100	U	500	586		ug/L		117	72 - 134
Chlorobenzene	100	U	500	514		ug/L		103	80 - 120
Dibromochloromethane	100	U	500	503		ug/L		101	75 - 125
Chloroethane	200	U	500	495		ug/L		99	69 - 136
Chloroform	100	U	500	509		ug/L		102	73 - 127
Chloromethane	200	U	500	407		ug/L		81	68 - 124
cis-1,2-Dichloroethene	100	U	500	509		ug/L		102	74 - 124
Bromodichloromethane	100	U	500	538		ug/L		108	80 - 122
Ethyl ether	910	F1	500	1280	F1	ug/L		74	76 - 123
Ethylbenzene	100	U	500	500		ug/L		100	77 - 123
Methylene Chloride	100	U	500	514		ug/L		103	75 - 124
m&p-Xylene	100	U	500	512		ug/L		102	76 - 122
o-Xylene	100	U	500	503		ug/L		101	76 - 122
Tetrachloroethene	100	U F1	500	613	F1	ug/L		123	74 - 122
Toluene	100	U	500	506		ug/L		101	80 - 122
trans-1,2-Dichloroethene	100	U	500	550		ug/L		110	73 - 127
trans-1,3-Dichloropropene	100	U	500	435		ug/L		87	80 - 120
Trichloroethene	100	U	500	597		ug/L		119	74 - 123
Vinyl chloride	200	U	500	489		ug/L		98	65 - 133
cis-1,3-Dichloropropene	100	U	500	461		ug/L		92	74 - 124
Styrene	100	U	500	483		ug/L		97	80 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*
Dibromofluoromethane (Surr)	*110*		*75 - 123*
Toluene-d8 (Surr)	*102*		*80 - 120*

Lab Sample ID: 480-108247-4 MSD
Matrix: Water
Analysis Batch: 327394

Client Sample ID: WG-007830-102016-BP-004
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	100	U	500	556		ug/L		111	73 - 126	3	15
1,1,2,2-Tetrachloroethane	100	U	500	415		ug/L		83	76 - 120	4	15

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

Lab Sample ID: 480-108247-4 MSD
Matrix: Water
Analysis Batch: 327394

Client Sample ID: WG-007830-102016-BP-004
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,2-Trichloroethane	100	U	500	481		ug/L		96	76 - 122	1	15
1,1-Dichloroethane	100	U	500	478		ug/L		96	77 - 120	3	20
1,1-Dichloroethene	100	U	500	506		ug/L		101	66 - 127	5	16
1,2-Dichloroethane	100	U	500	536		ug/L		107	75 - 120	3	20
1,2-Dichloropropane	100	U	500	499		ug/L		100	76 - 120	2	20
2-Butanone (MEK)	200	U	2500	2450		ug/L		98	57 - 140	4	20
2-Hexanone	200	U	2500	2550		ug/L		102	65 - 127	3	15
4-Methyl-2-pentanone (MIBK)	200	U	2500	2270		ug/L		91	71 - 125	0	35
Acetone	200	U	2500	2260		ug/L		90	56 - 142	1	15
Benzene	20		500	528		ug/L		102	71 - 124	4	13
Bromoform	100	U	500	414		ug/L		83	61 - 132	7	15
Bromomethane	200	U	500	460		ug/L		92	55 - 144	8	15
Carbon disulfide	100	U	500	423		ug/L		85	59 - 134	5	15
Carbon tetrachloride	100	U	500	566		ug/L		113	72 - 134	3	15
Chlorobenzene	100	U	500	509		ug/L		102	80 - 120	1	25
Dibromochloromethane	100	U	500	480		ug/L		96	75 - 125	5	15
Chloroethane	200	U	500	482		ug/L		96	69 - 136	3	15
Chloroform	100	U	500	497		ug/L		99	73 - 127	2	20
Chloromethane	200	U	500	393		ug/L		79	68 - 124	3	15
cis-1,2-Dichloroethene	100	U	500	480		ug/L		96	74 - 124	6	15
Bromodichloromethane	100	U	500	510		ug/L		102	80 - 122	5	15
Ethyl ether	910	F1	500	1250	F1	ug/L		67	76 - 123	3	20
Ethylbenzene	100	U	500	487		ug/L		97	77 - 123	3	15
Methylene Chloride	100	U	500	493		ug/L		99	75 - 124	4	15
m&p-Xylene	100	U	500	492		ug/L		98	76 - 122	4	16
o-Xylene	100	U	500	480		ug/L		96	76 - 122	5	16
Tetrachloroethene	100	U F1	500	576		ug/L		115	74 - 122	6	20
Toluene	100	U	500	489		ug/L		98	80 - 122	4	15
trans-1,2-Dichloroethene	100	U	500	500		ug/L		100	73 - 127	10	20
trans-1,3-Dichloropropene	100	U	500	426		ug/L		85	80 - 120	2	15
Trichloroethene	100	U	500	560		ug/L		112	74 - 123	6	16
Vinyl chloride	200	U	500	462		ug/L		92	65 - 133	6	15
cis-1,3-Dichloropropene	100	U	500	446		ug/L		89	74 - 124	3	15
Styrene	100	U	500	478		ug/L		96	80 - 120	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*
Dibromofluoromethane (Surr)	*108*		*75 - 123*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: MB 480-327548/6
Matrix: Water
Analysis Batch: 327548

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.0	U	5.0	0.82	ug/L			10/25/16 14:39	1
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.21	ug/L			10/25/16 14:39	1

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

Lab Sample ID: MB 480-327548/6
Matrix: Water
Analysis Batch: 327548

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	5.0	U	5.0	0.23	ug/L			10/25/16 14:39	1
1,1-Dichloroethane	5.0	U	5.0	0.38	ug/L			10/25/16 14:39	1
1,1-Dichloroethene	5.0	U	5.0	0.29	ug/L			10/25/16 14:39	1
1,2-Dichloroethane	5.0	U	5.0	0.21	ug/L			10/25/16 14:39	1
1,2-Dichloropropane	5.0	U	5.0	0.72	ug/L			10/25/16 14:39	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			10/25/16 14:39	1
2-Hexanone	10	U	10	1.2	ug/L			10/25/16 14:39	1
2-Methylthiophene	10	U	10	0.44	ug/L			10/25/16 14:39	1
4-Methyl-2-pentanone (MIBK)	10	U	10	2.1	ug/L			10/25/16 14:39	1
Acetone	10	U	10	3.0	ug/L			10/25/16 14:39	1
Benzene	1.0	U	1.0	0.41	ug/L			10/25/16 14:39	1
Bromoform	5.0	U	5.0	0.26	ug/L			10/25/16 14:39	1
Bromomethane	10	U	10	0.69	ug/L			10/25/16 14:39	1
Carbon disulfide	5.0	U	5.0	0.19	ug/L			10/25/16 14:39	1
Carbon tetrachloride	5.0	U	5.0	0.27	ug/L			10/25/16 14:39	1
Chlorobenzene	5.0	U	5.0	0.75	ug/L			10/25/16 14:39	1
Dibromochloromethane	5.0	U	5.0	0.32	ug/L			10/25/16 14:39	1
Chloroethane	10	U	10	0.32	ug/L			10/25/16 14:39	1
Chloroform	5.0	U	5.0	0.34	ug/L			10/25/16 14:39	1
Chloromethane	10	U	10	0.35	ug/L			10/25/16 14:39	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.81	ug/L			10/25/16 14:39	1
Bromodichloromethane	5.0	U	5.0	0.39	ug/L			10/25/16 14:39	1
Ethyl ether	10	U	10	0.72	ug/L			10/25/16 14:39	1
Ethylbenzene	5.0	U	5.0	0.74	ug/L			10/25/16 14:39	1
Methylene Chloride	5.0	U	5.0	0.44	ug/L			10/25/16 14:39	1
m&p-Xylene	5.0	U	5.0	0.66	ug/L			10/25/16 14:39	1
o-Xylene	5.0	U	5.0	0.76	ug/L			10/25/16 14:39	1
Tetrachloroethene	5.0	U	5.0	0.36	ug/L			10/25/16 14:39	1
Toluene	5.0	U	5.0	0.51	ug/L			10/25/16 14:39	1
trans-1,2-Dichloroethene	5.0	U	5.0	0.90	ug/L			10/25/16 14:39	1
trans-1,3-Dichloropropene	5.0	U	5.0	0.37	ug/L			10/25/16 14:39	1
Trichloroethene	5.0	U	5.0	0.46	ug/L			10/25/16 14:39	1
Vinyl chloride	10	U	10	0.90	ug/L			10/25/16 14:39	1
cis-1,3-Dichloropropene	5.0	U	5.0	0.36	ug/L			10/25/16 14:39	1
Styrene	5.0	U	5.0	0.73	ug/L			10/25/16 14:39	1
3-Methylthiophene	10	U	10	0.53	ug/L			10/25/16 14:39	1

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	*None*		*ug/L*					*10/25/16 14:39*	*1*

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 120*		*10/25/16 14:39*	*1*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*		*10/25/16 14:39*	*1*
Dibromofluoromethane (Surr)	*111*		*75 - 123*		*10/25/16 14:39*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*10/25/16 14:39*	*1*

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

Lab Sample ID: LCS 480-327548/4
Matrix: Water
Analysis Batch: 327548

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	25.9		ug/L		103	73 - 126
1,1,2,2-Tetrachloroethane	25.0	19.4		ug/L		78	76 - 120
1,1,2-Trichloroethane	25.0	22.6		ug/L		90	76 - 122
1,1-Dichloroethane	25.0	22.8		ug/L		91	77 - 120
1,1-Dichloroethene	25.0	23.6		ug/L		94	66 - 127
1,2-Dichloroethane	25.0	25.6		ug/L		102	75 - 120
1,2-Dichloropropane	25.0	24.1		ug/L		96	76 - 120
2-Butanone (MEK)	125	111		ug/L		89	57 - 140
2-Hexanone	125	120		ug/L		96	65 - 127
4-Methyl-2-pentanone (MIBK)	125	104		ug/L		83	71 - 125
Acetone	125	101		ug/L		80	56 - 142
Benzene	25.0	24.2		ug/L		97	71 - 124
Bromoform	25.0	23.4		ug/L		94	61 - 132
Bromomethane	25.0	21.3		ug/L		85	55 - 144
Carbon disulfide	25.0	21.2		ug/L		85	59 - 134
Carbon tetrachloride	25.0	25.7		ug/L		103	72 - 134
Chlorobenzene	25.0	24.0		ug/L		96	80 - 120
Dibromochloromethane	25.0	24.0		ug/L		96	75 - 125
Chloroethane	25.0	22.3		ug/L		89	69 - 136
Chloroform	25.0	23.5		ug/L		94	73 - 127
Chloromethane	25.0	18.8		ug/L		75	68 - 124
cis-1,2-Dichloroethene	25.0	22.3		ug/L		89	74 - 124
Bromodichloromethane	25.0	24.8		ug/L		99	80 - 122
Ethyl ether	25.0	22.5		ug/L		90	76 - 123
Ethylbenzene	25.0	22.9		ug/L		92	77 - 123
Methylene Chloride	25.0	24.6		ug/L		98	75 - 124
m&p-Xylene	25.0	23.4		ug/L		94	76 - 122
o-Xylene	25.0	23.2		ug/L		93	76 - 122
Tetrachloroethene	25.0	27.3		ug/L		109	74 - 122
Toluene	25.0	23.5		ug/L		94	80 - 122
trans-1,2-Dichloroethene	25.0	23.9		ug/L		96	73 - 127
trans-1,3-Dichloropropene	25.0	22.0		ug/L		88	80 - 120
Trichloroethene	25.0	26.4		ug/L		106	74 - 123
Vinyl chloride	25.0	21.9		ug/L		88	65 - 133
cis-1,3-Dichloropropene	25.0	23.3		ug/L		93	74 - 124
Styrene	25.0	22.4		ug/L		90	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*
Dibromofluoromethane (Surr)	*109*		*75 - 123*
Toluene-d8 (Surr)	*100*		*80 - 120*

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

Lab Sample ID: 480-108247-11 MS
Matrix: Water
Analysis Batch: 327548

Client Sample ID: WG-007830-102116-BP-011
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	100	U	500	539		ug/L		108	73 - 126
1,1,2,2-Tetrachloroethane	100	U	500	383		ug/L		77	76 - 120
1,1,2-Trichloroethane	100	U	500	463		ug/L		93	76 - 122
1,1-Dichloroethane	100	U	500	468		ug/L		94	77 - 120
1,1-Dichloroethene	100	U	500	466		ug/L		93	66 - 127
1,2-Dichloroethane	100	U	500	512		ug/L		102	75 - 120
1,2-Dichloropropane	100	U	500	487		ug/L		97	76 - 120
2-Butanone (MEK)	200	U	2500	2190		ug/L		88	57 - 140
2-Hexanone	200	U	2500	2300		ug/L		92	65 - 127
4-Methyl-2-pentanone (MIBK)	200	U	2500	2060		ug/L		83	71 - 125
Acetone	200	U	2500	2040		ug/L		82	56 - 142
Benzene	20	U	500	510		ug/L		102	71 - 124
Bromoform	100	U	500	446		ug/L		89	61 - 132
Bromomethane	200	U	500	457		ug/L		91	55 - 144
Carbon disulfide	100	U	500	407		ug/L		81	59 - 134
Carbon tetrachloride	100	U	500	558		ug/L		112	72 - 134
Chlorobenzene	100	U	500	489		ug/L		98	80 - 120
Dibromochloromethane	100	U	500	475		ug/L		95	75 - 125
Chloroethane	200	U	500	469		ug/L		94	69 - 136
Chloroform	100	U	500	477		ug/L		95	73 - 127
Chloromethane	200	U	500	380		ug/L		76	68 - 124
cis-1,2-Dichloroethene	100	U	500	465		ug/L		93	74 - 124
Bromodichloromethane	100	U	500	513		ug/L		103	80 - 122
Ethyl ether	1000	F1	500	1290	F1	ug/L		56	76 - 123
Ethylbenzene	100	U	500	478		ug/L		96	77 - 123
Methylene Chloride	100	U	500	492		ug/L		98	75 - 124
m&p-Xylene	100	U	500	492		ug/L		98	76 - 122
o-Xylene	100	U	500	476		ug/L		95	76 - 122
Tetrachloroethene	100	U	500	565		ug/L		113	74 - 122
Toluene	100	U	500	479		ug/L		96	80 - 122
trans-1,2-Dichloroethene	100	U	500	504		ug/L		101	73 - 127
trans-1,3-Dichloropropene	100	U	500	413		ug/L		83	80 - 120
Trichloroethene	100	U	500	543		ug/L		109	74 - 123
Vinyl chloride	200	U	500	430		ug/L		86	65 - 133
cis-1,3-Dichloropropene	100	U	500	457		ug/L		91	74 - 124
Styrene	100	U	500	473		ug/L		95	80 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*
Dibromofluoromethane (Surr)	*107*		*75 - 123*
Toluene-d8 (Surr)	*100*		*80 - 120*

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

Lab Sample ID: 480-108247-11 MSD
Matrix: Water
Analysis Batch: 327548

Client Sample ID: WG-007830-102116-BP-011
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	100	U	500	543		ug/L		109	73 - 126	1	15
1,1,2,2-Tetrachloroethane	100	U	500	388		ug/L		78	76 - 120	1	15
1,1,2-Trichloroethane	100	U	500	434		ug/L		87	76 - 122	7	15
1,1-Dichloroethane	100	U	500	466		ug/L		93	77 - 120	0	20
1,1-Dichloroethene	100	U	500	469		ug/L		94	66 - 127	1	16
1,2-Dichloroethane	100	U	500	501		ug/L		100	75 - 120	2	20
1,2-Dichloropropane	100	U	500	471		ug/L		94	76 - 120	4	20
2-Butanone (MEK)	200	U	2500	2210		ug/L		89	57 - 140	1	20
2-Hexanone	200	U	2500	2350		ug/L		94	65 - 127	2	15
4-Methyl-2-pentanone (MIBK)	200	U	2500	2100		ug/L		84	71 - 125	2	35
Acetone	200	U	2500	2180		ug/L		87	56 - 142	6	15
Benzene	20	U	500	497		ug/L		99	71 - 124	3	13
Bromoform	100	U	500	422		ug/L		84	61 - 132	5	15
Bromomethane	200	U	500	453		ug/L		91	55 - 144	1	15
Carbon disulfide	100	U	500	398		ug/L		80	59 - 134	2	15
Carbon tetrachloride	100	U	500	545		ug/L		109	72 - 134	2	15
Chlorobenzene	100	U	500	479		ug/L		96	80 - 120	2	25
Dibromochloromethane	100	U	500	459		ug/L		92	75 - 125	3	15
Chloroethane	200	U	500	473		ug/L		95	69 - 136	1	15
Chloroform	100	U	500	481		ug/L		96	73 - 127	1	20
Chloromethane	200	U	500	390		ug/L		78	68 - 124	3	15
cis-1,2-Dichloroethene	100	U	500	471		ug/L		94	74 - 124	1	15
Bromodichloromethane	100	U	500	494		ug/L		99	80 - 122	4	15
Ethyl ether	1000	F1	500	1290	F1	ug/L		58	76 - 123	1	20
Ethylbenzene	100	U	500	457		ug/L		91	77 - 123	4	15
Methylene Chloride	100	U	500	501		ug/L		100	75 - 124	2	15
m&p-Xylene	100	U	500	481		ug/L		96	76 - 122	2	16
o-Xylene	100	U	500	460		ug/L		92	76 - 122	3	16
Tetrachloroethene	100	U	500	564		ug/L		113	74 - 122	0	20
Toluene	100	U	500	466		ug/L		93	80 - 122	3	15
trans-1,2-Dichloroethene	100	U	500	498		ug/L		100	73 - 127	1	20
trans-1,3-Dichloropropene	100	U	500	417		ug/L		83	80 - 120	1	15
Trichloroethene	100	U	500	534		ug/L		107	74 - 123	2	16
Vinyl chloride	200	U	500	445		ug/L		89	65 - 133	3	15
cis-1,3-Dichloropropene	100	U	500	446		ug/L		89	74 - 124	3	15
Styrene	100	U	500	453		ug/L		91	80 - 120	4	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*
Dibromofluoromethane (Surr)	*107*		*75 - 123*
Toluene-d8 (Surr)	*100*		*80 - 120*

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

Lab Sample ID: MB 480-327640/7
Matrix: Water
Analysis Batch: 327640

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.0	U	5.0	0.82	ug/L			10/25/16 21:56	1
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.21	ug/L			10/25/16 21:56	1
1,1,2-Trichloroethane	5.0	U	5.0	0.23	ug/L			10/25/16 21:56	1
1,1-Dichloroethane	5.0	U	5.0	0.38	ug/L			10/25/16 21:56	1
1,1-Dichloroethene	5.0	U	5.0	0.29	ug/L			10/25/16 21:56	1
1,2-Dichloroethane	5.0	U	5.0	0.21	ug/L			10/25/16 21:56	1
1,2-Dichloropropane	5.0	U	5.0	0.72	ug/L			10/25/16 21:56	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			10/25/16 21:56	1
2-Hexanone	10	U	10	1.2	ug/L			10/25/16 21:56	1
2-Methylthiophene	10	U	10	0.44	ug/L			10/25/16 21:56	1
4-Methyl-2-pentanone (MIBK)	10	U	10	2.1	ug/L			10/25/16 21:56	1
Acetone	10	U	10	3.0	ug/L			10/25/16 21:56	1
Benzene	1.0	U	1.0	0.41	ug/L			10/25/16 21:56	1
Bromoform	5.0	U	5.0	0.26	ug/L			10/25/16 21:56	1
Bromomethane	10	U	10	0.69	ug/L			10/25/16 21:56	1
Carbon disulfide	5.0	U	5.0	0.19	ug/L			10/25/16 21:56	1
Carbon tetrachloride	5.0	U	5.0	0.27	ug/L			10/25/16 21:56	1
Chlorobenzene	5.0	U	5.0	0.75	ug/L			10/25/16 21:56	1
Dibromochloromethane	5.0	U	5.0	0.32	ug/L			10/25/16 21:56	1
Chloroethane	10	U	10	0.32	ug/L			10/25/16 21:56	1
Chloroform	5.0	U	5.0	0.34	ug/L			10/25/16 21:56	1
Chloromethane	10	U	10	0.35	ug/L			10/25/16 21:56	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.81	ug/L			10/25/16 21:56	1
Bromodichloromethane	5.0	U	5.0	0.39	ug/L			10/25/16 21:56	1
Ethyl ether	10	U	10	0.72	ug/L			10/25/16 21:56	1
Ethylbenzene	5.0	U	5.0	0.74	ug/L			10/25/16 21:56	1
Methylene Chloride	5.0	U	5.0	0.44	ug/L			10/25/16 21:56	1
m&p-Xylene	5.0	U	5.0	0.66	ug/L			10/25/16 21:56	1
o-Xylene	5.0	U	5.0	0.76	ug/L			10/25/16 21:56	1
Tetrachloroethene	5.0	U	5.0	0.36	ug/L			10/25/16 21:56	1
Toluene	5.0	U	5.0	0.51	ug/L			10/25/16 21:56	1
trans-1,2-Dichloroethene	5.0	U	5.0	0.90	ug/L			10/25/16 21:56	1
trans-1,3-Dichloropropene	5.0	U	5.0	0.37	ug/L			10/25/16 21:56	1
Trichloroethene	5.0	U	5.0	0.46	ug/L			10/25/16 21:56	1
Vinyl chloride	10	U	10	0.90	ug/L			10/25/16 21:56	1
cis-1,3-Dichloropropene	5.0	U	5.0	0.36	ug/L			10/25/16 21:56	1
Styrene	5.0	U	5.0	0.73	ug/L			10/25/16 21:56	1
3-Methylthiophene	10	U	10	0.53	ug/L			10/25/16 21:56	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*10/25/16 21:56*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*77 - 120*		*10/25/16 21:56*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*10/25/16 21:56*	*1*
Dibromofluoromethane (Surr)	*110*		*75 - 123*		*10/25/16 21:56*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*10/25/16 21:56*	*1*

Lab Sample ID: LCS 480-327640/4
Matrix: Water
Analysis Batch: 327640

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	27.0		ug/L		108	73 - 126
1,1,2,2-Tetrachloroethane	25.0	19.8		ug/L		79	76 - 120
1,1,2-Trichloroethane	25.0	23.4		ug/L		94	76 - 122
1,1-Dichloroethane	25.0	24.7		ug/L		99	77 - 120
1,1-Dichloroethene	25.0	24.5		ug/L		98	66 - 127
1,2-Dichloroethane	25.0	26.5		ug/L		106	75 - 120
1,2-Dichloropropane	25.0	25.6		ug/L		102	76 - 120
2-Butanone (MEK)	125	117		ug/L		93	57 - 140
2-Hexanone	125	118		ug/L		95	65 - 127
4-Methyl-2-pentanone (MIBK)	125	108		ug/L		86	71 - 125
Acetone	125	116		ug/L		93	56 - 142
Benzene	25.0	26.0		ug/L		104	71 - 124
Bromoform	25.0	23.8		ug/L		95	61 - 132
Bromomethane	25.0	23.4		ug/L		94	55 - 144
Carbon disulfide	25.0	21.9		ug/L		88	59 - 134
Carbon tetrachloride	25.0	27.7		ug/L		111	72 - 134
Chlorobenzene	25.0	24.6		ug/L		98	80 - 120
Dibromochloromethane	25.0	24.9		ug/L		100	75 - 125
Chloroethane	25.0	23.9		ug/L		95	69 - 136
Chloroform	25.0	25.4		ug/L		102	73 - 127
Chloromethane	25.0	19.0		ug/L		76	68 - 124
cis-1,2-Dichloroethene	25.0	25.0		ug/L		100	74 - 124
Bromodichloromethane	25.0	26.6		ug/L		106	80 - 122
Ethyl ether	25.0	24.0		ug/L		96	76 - 123
Ethylbenzene	25.0	23.5		ug/L		94	77 - 123
Methylene Chloride	25.0	25.2		ug/L		101	75 - 124
m&p-Xylene	25.0	24.1		ug/L		96	76 - 122
o-Xylene	25.0	23.6		ug/L		94	76 - 122
Tetrachloroethene	25.0	28.0		ug/L		112	74 - 122
Toluene	25.0	24.3		ug/L		97	80 - 122
trans-1,2-Dichloroethene	25.0	25.4		ug/L		102	73 - 127
trans-1,3-Dichloropropene	25.0	22.3		ug/L		89	80 - 120
Trichloroethene	25.0	27.5		ug/L		110	74 - 123
Vinyl chloride	25.0	22.2		ug/L		89	65 - 133
cis-1,3-Dichloropropene	25.0	24.3		ug/L		97	74 - 124
Styrene	25.0	22.6		ug/L		90	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*
Dibromofluoromethane (Surr)	*112*		*75 - 123*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: MB 480-327744/9
Matrix: Water
Analysis Batch: 327744

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.0	U	5.0	0.82	ug/L			10/26/16 13:11	1
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.21	ug/L			10/26/16 13:11	1

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

Lab Sample ID: MB 480-327744/9
Matrix: Water
Analysis Batch: 327744

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	5.0	U	5.0	0.23	ug/L			10/26/16 13:11	1
1,1-Dichloroethane	5.0	U	5.0	0.38	ug/L			10/26/16 13:11	1
1,1-Dichloroethene	5.0	U	5.0	0.29	ug/L			10/26/16 13:11	1
1,2-Dichloroethane	5.0	U	5.0	0.21	ug/L			10/26/16 13:11	1
1,2-Dichloropropane	5.0	U	5.0	0.72	ug/L			10/26/16 13:11	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			10/26/16 13:11	1
2-Hexanone	10	U	10	1.2	ug/L			10/26/16 13:11	1
2-Methylthiophene	10	U	10	0.44	ug/L			10/26/16 13:11	1
4-Methyl-2-pentanone (MIBK)	10	U	10	2.1	ug/L			10/26/16 13:11	1
Acetone	10	U	10	3.0	ug/L			10/26/16 13:11	1
Benzene	1.0	U	1.0	0.41	ug/L			10/26/16 13:11	1
Bromoform	5.0	U	5.0	0.26	ug/L			10/26/16 13:11	1
Bromomethane	10	U	10	0.69	ug/L			10/26/16 13:11	1
Carbon disulfide	5.0	U	5.0	0.19	ug/L			10/26/16 13:11	1
Carbon tetrachloride	5.0	U	5.0	0.27	ug/L			10/26/16 13:11	1
Chlorobenzene	5.0	U	5.0	0.75	ug/L			10/26/16 13:11	1
Dibromochloromethane	5.0	U	5.0	0.32	ug/L			10/26/16 13:11	1
Chloroethane	10	U	10	0.32	ug/L			10/26/16 13:11	1
Chloroform	5.0	U	5.0	0.34	ug/L			10/26/16 13:11	1
Chloromethane	10	U	10	0.35	ug/L			10/26/16 13:11	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.81	ug/L			10/26/16 13:11	1
Bromodichloromethane	5.0	U	5.0	0.39	ug/L			10/26/16 13:11	1
Ethyl ether	10	U	10	0.72	ug/L			10/26/16 13:11	1
Ethylbenzene	5.0	U	5.0	0.74	ug/L			10/26/16 13:11	1
Methylene Chloride	5.0	U	5.0	0.44	ug/L			10/26/16 13:11	1
m&p-Xylene	5.0	U	5.0	0.66	ug/L			10/26/16 13:11	1
o-Xylene	5.0	U	5.0	0.76	ug/L			10/26/16 13:11	1
Tetrachloroethene	5.0	U	5.0	0.36	ug/L			10/26/16 13:11	1
Toluene	5.0	U	5.0	0.51	ug/L			10/26/16 13:11	1
trans-1,2-Dichloroethene	5.0	U	5.0	0.90	ug/L			10/26/16 13:11	1
trans-1,3-Dichloropropene	5.0	U	5.0	0.37	ug/L			10/26/16 13:11	1
Trichloroethene	5.0	U	5.0	0.46	ug/L			10/26/16 13:11	1
Vinyl chloride	10	U	10	0.90	ug/L			10/26/16 13:11	1
cis-1,3-Dichloropropene	5.0	U	5.0	0.36	ug/L			10/26/16 13:11	1
Styrene	5.0	U	5.0	0.73	ug/L			10/26/16 13:11	1
3-Methylthiophene	10	U	10	0.53	ug/L			10/26/16 13:11	1

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	*None*		*ug/L*					*10/26/16 13:11*	*1*

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*		*10/26/16 13:11*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*10/26/16 13:11*	*1*
Dibromofluoromethane (Surr)	*109*		*75 - 123*		*10/26/16 13:11*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*10/26/16 13:11*	*1*

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

Lab Sample ID: LCS 480-327744/7
Matrix: Water
Analysis Batch: 327744

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	24.7		ug/L		99	73 - 126
1,1,2,2-Tetrachloroethane	25.0	20.2		ug/L		81	76 - 120
1,1,2-Trichloroethane	25.0	22.7		ug/L		91	76 - 122
1,1-Dichloroethane	25.0	22.6		ug/L		90	77 - 120
1,1-Dichloroethene	25.0	23.8		ug/L		95	66 - 127
1,2-Dichloroethane	25.0	25.6		ug/L		102	75 - 120
1,2-Dichloropropane	25.0	23.6		ug/L		94	76 - 120
2-Butanone (MEK)	125	113		ug/L		91	57 - 140
2-Hexanone	125	117		ug/L		94	65 - 127
4-Methyl-2-pentanone (MIBK)	125	107		ug/L		86	71 - 125
Acetone	125	111		ug/L		89	56 - 142
Benzene	25.0	23.8		ug/L		95	71 - 124
Bromoform	25.0	24.8		ug/L		99	61 - 132
Bromomethane	25.0	21.6		ug/L		87	55 - 144
Carbon disulfide	25.0	21.7		ug/L		87	59 - 134
Carbon tetrachloride	25.0	25.2		ug/L		101	72 - 134
Chlorobenzene	25.0	23.9		ug/L		96	80 - 120
Dibromochloromethane	25.0	25.6		ug/L		102	75 - 125
Chloroethane	25.0	19.2		ug/L		77	69 - 136
Chloroform	25.0	24.0		ug/L		96	73 - 127
Chloromethane	25.0	17.3		ug/L		69	68 - 124
cis-1,2-Dichloroethene	25.0	23.0		ug/L		92	74 - 124
Bromodichloromethane	25.0	25.3		ug/L		101	80 - 122
Ethyl ether	25.0	24.3		ug/L		97	76 - 123
Ethylbenzene	25.0	23.0		ug/L		92	77 - 123
Methylene Chloride	25.0	24.9		ug/L		100	75 - 124
m&p-Xylene	25.0	23.3		ug/L		93	76 - 122
o-Xylene	25.0	23.8		ug/L		95	76 - 122
Tetrachloroethene	25.0	25.9		ug/L		103	74 - 122
Toluene	25.0	23.1		ug/L		93	80 - 122
trans-1,2-Dichloroethene	25.0	24.1		ug/L		96	73 - 127
trans-1,3-Dichloropropene	25.0	22.6		ug/L		90	80 - 120
Trichloroethene	25.0	25.7		ug/L		103	74 - 123
Vinyl chloride	25.0	17.7		ug/L		71	65 - 133
cis-1,3-Dichloropropene	25.0	24.2		ug/L		97	74 - 124
Styrene	25.0	22.3		ug/L		89	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*
Dibromofluoromethane (Surr)	*106*		*75 - 123*
Toluene-d8 (Surr)	*98*		*80 - 120*

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

Lab Sample ID: 480-108247-15 MS
Matrix: Water
Analysis Batch: 327744

Client Sample ID: WG-007830-102116-BP-015
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	130	U	625	682		ug/L		109	73 - 126
1,1,2,2-Tetrachloroethane	130	U	625	491		ug/L		79	76 - 120
1,1,2-Trichloroethane	130	U	625	584		ug/L		93	76 - 122
1,1-Dichloroethane	130	U	625	585		ug/L		94	77 - 120
1,1-Dichloroethene	130	U	625	627		ug/L		100	66 - 127
1,2-Dichloroethane	130	U	625	644		ug/L		103	75 - 120
1,2-Dichloropropane	130	U	625	612		ug/L		98	76 - 120
2-Butanone (MEK)	250	U	3130	2860		ug/L		92	57 - 140
2-Hexanone	250	U	3130	2900		ug/L		93	65 - 127
4-Methyl-2-pentanone (MIBK)	250	U	3130	2650		ug/L		85	71 - 125
Acetone	250	U	3130	2750		ug/L		88	56 - 142
Benzene	400		625	939		ug/L		86	71 - 124
Bromoform	130	U	625	574		ug/L		92	61 - 132
Bromomethane	250	U	625	549		ug/L		88	55 - 144
Carbon disulfide	130	U	625	573		ug/L		92	59 - 134
Carbon tetrachloride	130	U	625	696		ug/L		111	72 - 134
Chlorobenzene	1700	F1	625	2060	F1	ug/L		62	80 - 120
Dibromochloromethane	130	U	625	620		ug/L		99	75 - 125
Chloroethane	250	U	625	569		ug/L		91	69 - 136
Chloroform	130	U	625	607		ug/L		97	73 - 127
Chloromethane	250	U	625	494		ug/L		79	68 - 124
cis-1,2-Dichloroethene	130	U	625	605		ug/L		97	74 - 124
Bromodichloromethane	130	U	625	633		ug/L		101	80 - 122
Ethyl ether	45	J	625	621		ug/L		92	76 - 123
Ethylbenzene	130	U	625	612		ug/L		98	77 - 123
Methylene Chloride	130	U	625	611		ug/L		98	75 - 124
m&p-Xylene	130	U	625	630		ug/L		101	76 - 122
o-Xylene	130	U	625	616		ug/L		99	76 - 122
Tetrachloroethene	130	U	625	735		ug/L		118	74 - 122
Toluene	130	U	625	617		ug/L		99	80 - 122
trans-1,2-Dichloroethene	130	U	625	636		ug/L		102	73 - 127
trans-1,3-Dichloropropene	130	U	625	550		ug/L		88	80 - 120
Trichloroethene	130	U	625	675		ug/L		108	74 - 123
Vinyl chloride	250	U	625	594		ug/L		95	65 - 133
cis-1,3-Dichloropropene	130	U	625	576		ug/L		92	74 - 124
Styrene	130	U	625	594		ug/L		95	80 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*
Dibromofluoromethane (Surr)	*106*		*75 - 123*
Toluene-d8 (Surr)	*98*		*80 - 120*

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

Lab Sample ID: 480-108247-15 MSD
Matrix: Water
Analysis Batch: 327744

Client Sample ID: WG-007830-102116-BP-015
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	130	U	625	674		ug/L		108	73 - 126	1	15
1,1,2,2-Tetrachloroethane	130	U	625	498		ug/L		80	76 - 120	1	15
1,1,2-Trichloroethane	130	U	625	568		ug/L		91	76 - 122	3	15
1,1-Dichloroethane	130	U	625	579		ug/L		93	77 - 120	1	20
1,1-Dichloroethene	130	U	625	606		ug/L		97	66 - 127	3	16
1,2-Dichloroethane	130	U	625	644		ug/L		103	75 - 120	0	20
1,2-Dichloropropane	130	U	625	614		ug/L		98	76 - 120	0	20
2-Butanone (MEK)	250	U	3130	2850		ug/L		91	57 - 140	0	20
2-Hexanone	250	U	3130	3030		ug/L		97	65 - 127	4	15
4-Methyl-2-pentanone (MIBK)	250	U	3130	2690		ug/L		86	71 - 125	1	35
Acetone	250	U	3130	2670		ug/L		86	56 - 142	3	15
Benzene	400		625	938		ug/L		86	71 - 124	0	13
Bromoform	130	U	625	570		ug/L		91	61 - 132	1	15
Bromomethane	250	U	625	563		ug/L		90	55 - 144	3	15
Carbon disulfide	130	U	625	563		ug/L		90	59 - 134	2	15
Carbon tetrachloride	130	U	625	678		ug/L		108	72 - 134	3	15
Chlorobenzene	1700	F1	625	2040	F1	ug/L		58	80 - 120	1	25
Dibromochloromethane	130	U	625	608		ug/L		97	75 - 125	2	15
Chloroethane	250	U	625	566		ug/L		91	69 - 136	1	15
Chloroform	130	U	625	596		ug/L		95	73 - 127	2	20
Chloromethane	250	U	625	486		ug/L		78	68 - 124	2	15
cis-1,2-Dichloroethene	130	U	625	590		ug/L		94	74 - 124	2	15
Bromodichloromethane	130	U	625	643		ug/L		103	80 - 122	2	15
Ethyl ether	45	J	625	615		ug/L		91	76 - 123	1	20
Ethylbenzene	130	U	625	600		ug/L		96	77 - 123	2	15
Methylene Chloride	130	U	625	600		ug/L		96	75 - 124	2	15
m&p-Xylene	130	U	625	618		ug/L		99	76 - 122	2	16
o-Xylene	130	U	625	590		ug/L		94	76 - 122	4	16
Tetrachloroethene	130	U	625	708		ug/L		113	74 - 122	4	20
Toluene	130	U	625	605		ug/L		97	80 - 122	2	15
trans-1,2-Dichloroethene	130	U	625	617		ug/L		99	73 - 127	3	20
trans-1,3-Dichloropropene	130	U	625	553		ug/L		89	80 - 120	1	15
Trichloroethene	130	U	625	666		ug/L		107	74 - 123	1	16
Vinyl chloride	250	U	625	576		ug/L		92	65 - 133	3	15
cis-1,3-Dichloropropene	130	U	625	580		ug/L		93	74 - 124	1	15
Styrene	130	U	625	576		ug/L		92	80 - 120	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*
Dibromofluoromethane (Surr)	*108*		*75 - 123*
Toluene-d8 (Surr)	*97*		*80 - 120*

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

Lab Sample ID: MB 480-327225/1-A
Matrix: Water
Analysis Batch: 327441

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 327225

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	10	U	10	0.44	ug/L		10/24/16 07:42	10/25/16 16:36	1
1,2-Dichlorobenzene	10	U	10	0.40	ug/L		10/24/16 07:42	10/25/16 16:36	1
1,3-Dichlorobenzene	10	U	10	0.48	ug/L		10/24/16 07:42	10/25/16 16:36	1
1,4-Dichlorobenzene	10	U	10	0.46	ug/L		10/24/16 07:42	10/25/16 16:36	1
2,4,5-Trichlorophenol	5.0	U	5.0	0.48	ug/L		10/24/16 07:42	10/25/16 16:36	1
2,4,6-Trichlorophenol	5.0	U	5.0	0.61	ug/L		10/24/16 07:42	10/25/16 16:36	1
2,4-Dichlorophenol	5.0	U	5.0	0.51	ug/L		10/24/16 07:42	10/25/16 16:36	1
2,4-Dimethylphenol	5.0	U	5.0	0.50	ug/L		10/24/16 07:42	10/25/16 16:36	1
2,4-Dinitrophenol	10	U	10	2.2	ug/L		10/24/16 07:42	10/25/16 16:36	1
2,4-Dinitrotoluene	5.0	U	5.0	0.45	ug/L		10/24/16 07:42	10/25/16 16:36	1
2,6-Dinitrotoluene	5.0	U	5.0	0.40	ug/L		10/24/16 07:42	10/25/16 16:36	1
2-Chloronaphthalene	5.0	U	5.0	0.46	ug/L		10/24/16 07:42	10/25/16 16:36	1
2-Chlorophenol	5.0	U	5.0	0.53	ug/L		10/24/16 07:42	10/25/16 16:36	1
2-Methylnaphthalene	5.0	U	5.0	0.60	ug/L		10/24/16 07:42	10/25/16 16:36	1
2-Methylphenol	5.0	U	5.0	0.40	ug/L		10/24/16 07:42	10/25/16 16:36	1
2-Nitroaniline	10	U	10	0.42	ug/L		10/24/16 07:42	10/25/16 16:36	1
2-Nitrophenol	5.0	U	5.0	0.48	ug/L		10/24/16 07:42	10/25/16 16:36	1
3,3'-Dichlorobenzidine	5.0	U	5.0	0.40	ug/L		10/24/16 07:42	10/25/16 16:36	1
3-Nitroaniline	10	U	10	0.48	ug/L		10/24/16 07:42	10/25/16 16:36	1
4,6-Dinitro-2-methylphenol	10	U	10	2.2	ug/L		10/24/16 07:42	10/25/16 16:36	1
4-Bromophenyl phenyl ether	5.0	U	5.0	0.45	ug/L		10/24/16 07:42	10/25/16 16:36	1
4-Chloro-3-methylphenol	5.0	U	5.0	0.45	ug/L		10/24/16 07:42	10/25/16 16:36	1
4-Chloroaniline	5.0	U	5.0	0.59	ug/L		10/24/16 07:42	10/25/16 16:36	1
4-Chlorophenyl phenyl ether	5.0	U	5.0	0.35	ug/L		10/24/16 07:42	10/25/16 16:36	1
4-Methylphenol	10	U	10	0.36	ug/L		10/24/16 07:42	10/25/16 16:36	1
4-Nitroaniline	10	U	10	0.25	ug/L		10/24/16 07:42	10/25/16 16:36	1
4-Nitrophenol	10	U	10	1.5	ug/L		10/24/16 07:42	10/25/16 16:36	1
Acenaphthene	5.0	U	5.0	0.41	ug/L		10/24/16 07:42	10/25/16 16:36	1
Acenaphthylene	5.0	U	5.0	0.38	ug/L		10/24/16 07:42	10/25/16 16:36	1
Anthracene	5.0	U	5.0	0.28	ug/L		10/24/16 07:42	10/25/16 16:36	1
Benzaldehyde	5.0	U	5.0	0.27	ug/L		10/24/16 07:42	10/25/16 16:36	1
Benzo[a]anthracene	5.0	U	5.0	0.36	ug/L		10/24/16 07:42	10/25/16 16:36	1
Benzo[a]pyrene	5.0	U	5.0	0.47	ug/L		10/24/16 07:42	10/25/16 16:36	1
Benzo[b]fluoranthene	5.0	U	5.0	0.34	ug/L		10/24/16 07:42	10/25/16 16:36	1
Benzo[g,h,i]perylene	5.0	U	5.0	0.35	ug/L		10/24/16 07:42	10/25/16 16:36	1
Benzo[k]fluoranthene	5.0	U	5.0	0.73	ug/L		10/24/16 07:42	10/25/16 16:36	1
bis (2-chloroisopropyl) ether	5.0	U	5.0	0.52	ug/L		10/24/16 07:42	10/25/16 16:36	1
Bis(2-chloroethoxy)methane	5.0	U	5.0	0.35	ug/L		10/24/16 07:42	10/25/16 16:36	1
Bis(2-chloroethyl)ether	5.0	U	5.0	0.40	ug/L		10/24/16 07:42	10/25/16 16:36	1
Bis(2-ethylhexyl) phthalate	21.1		5.0	2.2	ug/L		10/24/16 07:42	10/25/16 16:36	1
Butyl benzyl phthalate	5.0	U	5.0	1.0	ug/L		10/24/16 07:42	10/25/16 16:36	1
Carbazole	5.0	U	5.0	0.30	ug/L		10/24/16 07:42	10/25/16 16:36	1
Chrysene	5.0	U	5.0	0.33	ug/L		10/24/16 07:42	10/25/16 16:36	1
Dibenz(a,h)anthracene	5.0	U	5.0	0.42	ug/L		10/24/16 07:42	10/25/16 16:36	1
Dibenzofuran	10	U	10	0.51	ug/L		10/24/16 07:42	10/25/16 16:36	1
Diethyl phthalate	5.0	U	5.0	0.22	ug/L		10/24/16 07:42	10/25/16 16:36	1
Dimethyl phthalate	5.0	U	5.0	0.36	ug/L		10/24/16 07:42	10/25/16 16:36	1
Di-n-butyl phthalate	5.0	U	5.0	0.31	ug/L		10/24/16 07:42	10/25/16 16:36	1

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

Lab Sample ID: MB 480-327225/1-A
Matrix: Water
Analysis Batch: 327441

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 327225

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	5.0	U	5.0	0.47	ug/L		10/24/16 07:42	10/25/16 16:36	1
Fluoranthene	5.0	U	5.0	0.40	ug/L		10/24/16 07:42	10/25/16 16:36	1
Fluorene	5.0	U	5.0	0.36	ug/L		10/24/16 07:42	10/25/16 16:36	1
Hexachlorobenzene	5.0	U	5.0	0.51	ug/L		10/24/16 07:42	10/25/16 16:36	1
Hexachlorobutadiene	5.0	U	5.0	0.68	ug/L		10/24/16 07:42	10/25/16 16:36	1
Hexachlorocyclopentadiene	5.0	U	5.0	0.59	ug/L		10/24/16 07:42	10/25/16 16:36	1
Hexachloroethane	5.0	U	5.0	0.59	ug/L		10/24/16 07:42	10/25/16 16:36	1
Indeno[1,2,3-cd]pyrene	5.0	U	5.0	0.47	ug/L		10/24/16 07:42	10/25/16 16:36	1
Isophorone	5.0	U	5.0	0.43	ug/L		10/24/16 07:42	10/25/16 16:36	1
Naphthalene	5.0	U	5.0	0.76	ug/L		10/24/16 07:42	10/25/16 16:36	1
Nitrobenzene	5.0	U	5.0	0.29	ug/L		10/24/16 07:42	10/25/16 16:36	1
N-Nitrosodi-n-propylamine	5.0	U	5.0	0.54	ug/L		10/24/16 07:42	10/25/16 16:36	1
N-Nitrosodiphenylamine	5.0	U	5.0	0.51	ug/L		10/24/16 07:42	10/25/16 16:36	1
Pentachlorophenol	10	U	10	2.2	ug/L		10/24/16 07:42	10/25/16 16:36	1
Phenanthrene	5.0	U	5.0	0.44	ug/L		10/24/16 07:42	10/25/16 16:36	1
Phenol	5.0	U	5.0	0.39	ug/L		10/24/16 07:42	10/25/16 16:36	1
Pyrene	5.0	U	5.0	0.34	ug/L		10/24/16 07:42	10/25/16 16:36	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*2.57*	*T J*	*ug/L*		*3.32*		*10/24/16 07:42*	*10/25/16 16:36*	*1*
Unknown	*25.3*	*T J*	*ug/L*		*5.11*		*10/24/16 07:42*	*10/25/16 16:36*	*1*
Cyclotetrasiloxane, octamethyl-	*2.68*	*T J N*	*ug/L*		*6.19*	*556-67-2*	*10/24/16 07:42*	*10/25/16 16:36*	*1*
Cyclopentasiloxane, decamethyl-	*3.72*	*T J N*	*ug/L*		*7.15*	*541-02-6*	*10/24/16 07:42*	*10/25/16 16:36*	*1*
Cyclohexasiloxane, dodecamethyl-	*1.77*	*T J N*	*ug/L*		*8.03*	*540-97-6*	*10/24/16 07:42*	*10/25/16 16:36*	*1*
Unknown	*2.80*	*T J*	*ug/L*		*12.46*		*10/24/16 07:42*	*10/25/16 16:36*	*1*
Unknown	*2.81*	*T J*	*ug/L*		*14.26*		*10/24/16 07:42*	*10/25/16 16:36*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*75*		*52 - 132*	*10/24/16 07:42*	*10/25/16 16:36*	*1*
2-Fluorobiphenyl	*79*		*48 - 120*	*10/24/16 07:42*	*10/25/16 16:36*	*1*
2-Fluorophenol (Surr)	*66*		*20 - 120*	*10/24/16 07:42*	*10/25/16 16:36*	*1*
Nitrobenzene-d5 (Surr)	*73*		*46 - 120*	*10/24/16 07:42*	*10/25/16 16:36*	*1*
Phenol-d5 (Surr)	*50*		*16 - 120*	*10/24/16 07:42*	*10/25/16 16:36*	*1*
p-Terphenyl-d14 (Surr)	*99*		*67 - 150*	*10/24/16 07:42*	*10/25/16 16:36*	*1*

Lab Sample ID: LCS 480-327225/2-A
Matrix: Water
Analysis Batch: 327441

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 327225

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	16.0	12.7		ug/L		79	40 - 120
1,2-Dichlorobenzene	16.0	12.2		ug/L		76	33 - 120
1,3-Dichlorobenzene	16.0	12.0		ug/L		75	28 - 120
1,4-Dichlorobenzene	16.0	11.9		ug/L		74	32 - 120
2,4,5-Trichlorophenol	16.0	12.9		ug/L		81	65 - 126
2,4,6-Trichlorophenol	16.0	12.6		ug/L		78	64 - 120
2,4-Dichlorophenol	16.0	14.9		ug/L		93	64 - 120

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

Lab Sample ID: LCS 480-327225/2-A
Matrix: Water
Analysis Batch: 327441

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 327225

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-Dimethylphenol	16.0	14.2		ug/L		88	57 - 120
2,4-Dinitrophenol	32.0	20.2		ug/L		63	42 - 153
2,4-Dinitrotoluene	16.0	15.2		ug/L		95	65 - 154
2,6-Dinitrotoluene	16.0	15.1		ug/L		94	74 - 134
2-Chloronaphthalene	16.0	13.5		ug/L		84	41 - 124
2-Chlorophenol	16.0	13.6		ug/L		85	48 - 120
2-Methylnaphthalene	16.0	13.7		ug/L		86	34 - 122
2-Methylphenol	16.0	13.2		ug/L		82	39 - 120
2-Nitroaniline	16.0	14.7		ug/L		92	67 - 136
2-Nitrophenol	16.0	14.5		ug/L		91	59 - 120
3,3'-Dichlorobenzidine	32.0	41.8		ug/L		131	33 - 140
3-Nitroaniline	16.0	14.1		ug/L		88	28 - 130
4,6-Dinitro-2-methylphenol	32.0	27.3		ug/L		85	64 - 159
4-Bromophenyl phenyl ether	16.0	14.2		ug/L		89	71 - 126
4-Chloro-3-methylphenol	16.0	14.8		ug/L		93	64 - 120
4-Chloroaniline	16.0	13.6		ug/L		85	10 - 130
4-Chlorophenyl phenyl ether	16.0	13.9		ug/L		87	71 - 122
4-Methylphenol	16.0	13.3		ug/L		83	39 - 120
4-Nitroaniline	16.0	14.9		ug/L		93	47 - 130
4-Nitrophenol	32.0	24.8		ug/L		77	16 - 120
Acenaphthene	16.0	14.0		ug/L		87	60 - 120
Acenaphthylene	16.0	14.1		ug/L		88	63 - 120
Anthracene	16.0	14.2		ug/L		89	58 - 148
Benzaldehyde	32.0	20.5		ug/L		64	30 - 140
Benzo[a]anthracene	16.0	14.6		ug/L		91	55 - 151
Benzo[a]pyrene	16.0	14.1		ug/L		88	60 - 145
Benzo[b]fluoranthene	16.0	15.0		ug/L		94	54 - 140
Benzo[g,h,i]perylene	16.0	14.7		ug/L		92	66 - 152
Benzo[k]fluoranthene	16.0	14.0		ug/L		88	51 - 153
bis (2-chloroisopropyl) ether	16.0	10.5		ug/L		66	28 - 136
Bis(2-chloroethoxy)methane	16.0	13.1		ug/L		82	50 - 128
Bis(2-chloroethyl)ether	16.0	12.0		ug/L		75	51 - 120
Bis(2-ethylhexyl) phthalate	16.0	16.3		ug/L		102	53 - 158
Butyl benzyl phthalate	16.0	16.0		ug/L		100	58 - 163
Carbazole	16.0	16.4		ug/L		103	59 - 148
Chrysene	16.0	15.1		ug/L		94	69 - 140
Dibenz(a,h)anthracene	16.0	14.2		ug/L		89	57 - 148
Dibenzofuran	16.0	14.3		ug/L		90	49 - 137
Diethyl phthalate	16.0	15.2		ug/L		95	59 - 146
Dimethyl phthalate	16.0	15.7		ug/L		98	59 - 141
Di-n-butyl phthalate	16.0	15.9		ug/L		99	58 - 149
Di-n-octyl phthalate	16.0	15.1		ug/L		95	55 - 167
Fluoranthene	16.0	15.2		ug/L		95	55 - 147
Fluorene	16.0	14.6		ug/L		91	55 - 143
Hexachlorobenzene	16.0	13.2		ug/L		83	14 - 130
Hexachlorobutadiene	16.0	11.9		ug/L		75	14 - 130
Hexachlorocyclopentadiene	16.0	6.57		ug/L		41	13 - 130
Hexachloroethane	16.0	11.3		ug/L		71	14 - 130

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

Lab Sample ID: LCS 480-327225/2-A
Matrix: Water
Analysis Batch: 327441

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 327225

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Indeno[1,2,3-cd]pyrene	16.0	14.3		ug/L		89	69 - 146
Isophorone	16.0	13.5		ug/L		85	48 - 133
Naphthalene	16.0	13.9		ug/L		87	35 - 130
Nitrobenzene	16.0	13.3		ug/L		83	45 - 123
N-Nitrosodi-n-propylamine	16.0	13.6		ug/L		85	56 - 120
N-Nitrosodiphenylamine	16.0	14.9		ug/L		93	25 - 125
Pentachlorophenol	32.0	22.7		ug/L		71	39 - 136
Phenanthrene	16.0	14.7		ug/L		92	57 - 147
Phenol	16.0	9.13		ug/L		57	17 - 120
Pyrene	16.0	15.3		ug/L		96	58 - 136

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*88*		*52 - 132*
2-Fluorobiphenyl	*84*		*48 - 120*
2-Fluorophenol (Surr)	*70*		*20 - 120*
Nitrobenzene-d5 (Surr)	*79*		*46 - 120*
Phenol-d5 (Surr)	*56*		*16 - 120*
p-Terphenyl-d14 (Surr)	*95*		*67 - 150*

Lab Sample ID: 480-108247-2 MS
Matrix: Water
Analysis Batch: 327441

Client Sample ID: WG-007830-102016-BP-002
Prep Type: Total/NA
Prep Batch: 327225

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	15	U	32.0	25.8		ug/L		81	40 - 120
1,2-Dichlorobenzene	15	U	32.0	25.7		ug/L		80	33 - 120
1,3-Dichlorobenzene	15	U	32.0	25.4		ug/L		79	28 - 120
1,4-Dichlorobenzene	15	U	32.0	25.4		ug/L		79	32 - 120
2,4,5-Trichlorophenol	7.3	U	32.0	26.4		ug/L		83	65 - 126
2,4,6-Trichlorophenol	7.3	U	32.0	26.0		ug/L		81	64 - 120
2,4-Dichlorophenol	7.3	U	32.0	30.1		ug/L		94	64 - 120
2,4-Dimethylphenol	7.3	U	32.0	29.6		ug/L		93	57 - 120
2,4-Dinitrophenol	15	U	64.0	46.3		ug/L		72	42 - 153
2,4-Dinitrotoluene	7.3	U	32.0	30.9		ug/L		97	62 - 148
2,6-Dinitrotoluene	7.3	U	32.0	30.6		ug/L		96	65 - 154
2-Chloronaphthalene	7.3	U	32.0	27.5		ug/L		86	41 - 124
2-Chlorophenol	7.3	U	32.0	27.8		ug/L		87	48 - 120
2-Methylnaphthalene	7.3	U	32.0	28.5		ug/L		89	34 - 122
2-Methylphenol	7.3	U	32.0	29.3		ug/L		92	39 - 120
2-Nitroaniline	15	U	32.0	27.8		ug/L		87	67 - 136
2-Nitrophenol	7.3	U	32.0	29.8		ug/L		93	59 - 120
3,3'-Dichlorobenzidine	7.3	U	64.0	79.9		ug/L		125	33 - 140
3-Nitroaniline	15	U	32.0	27.5		ug/L		86	69 - 129
4,6-Dinitro-2-methylphenol	15	U	64.0	56.7		ug/L		89	64 - 159
4-Bromophenyl phenyl ether	7.3	U	32.0	29.8		ug/L		93	71 - 126
4-Chloro-3-methylphenol	7.3	U	32.0	29.3		ug/L		92	64 - 120
4-Chloroaniline	7.3	U	32.0	25.5		ug/L		80	60 - 124
4-Chlorophenyl phenyl ether	7.3	U	32.0	28.7		ug/L		90	48 - 145

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

Lab Sample ID: 480-108247-2 MS
Matrix: Water
Analysis Batch: 327441

Client Sample ID: WG-007830-102016-BP-002
Prep Type: Total/NA
Prep Batch: 327225

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Methylphenol	15	U	32.0	29.6		ug/L		92	36 - 120
4-Nitroaniline	15	U	32.0	30.5		ug/L		95	64 - 135
4-Nitrophenol	15	U	64.0	59.1		ug/L		92	16 - 120
Acenaphthene	7.3	U	32.0	29.1		ug/L		91	60 - 120
Acenaphthylene	7.3	U	32.0	28.4		ug/L		89	63 - 120
Anthracene	7.3	U	32.0	30.0		ug/L		94	58 - 148
Benzaldehyde	7.3	U	64.0	41.3		ug/L		65	30 - 140
Benzo[a]anthracene	7.3	U	32.0	28.5		ug/L		89	55 - 151
Benzo[a]pyrene	7.3	U	32.0	27.3		ug/L		85	60 - 145
Benzo[b]fluoranthene	7.3	U	32.0	28.1		ug/L		88	54 - 140
Benzo[g,h,i]perylene	7.3	U	32.0	26.8		ug/L		84	66 - 152
Benzo[k]fluoranthene	7.3	U	32.0	25.8		ug/L		81	51 - 153
bis (2-chloroisopropyl) ether	7.3	U	32.0	21.9		ug/L		68	28 - 136
Bis(2-chloroethoxy)methane	7.3	U	32.0	27.3		ug/L		85	50 - 128
Bis(2-chloroethyl)ether	7.3	U	32.0	25.5		ug/L		80	51 - 120
Bis(2-ethylhexyl) phthalate	7.3	U	32.0	29.4		ug/L		92	53 - 158
Butyl benzyl phthalate	7.3	U	32.0	33.2		ug/L		104	58 - 163
Carbazole	7.3	U	32.0	33.1		ug/L		103	59 - 148
Chrysene	7.3	U	32.0	28.7		ug/L		90	69 - 140
Dibenz(a,h)anthracene	7.3	U	32.0	26.3		ug/L		82	57 - 158
Dibenzofuran	15	U	32.0	29.1		ug/L		91	49 - 137
Diethyl phthalate	7.3	U	32.0	30.1		ug/L		94	59 - 146
Dimethyl phthalate	7.3	U	32.0	31.4		ug/L		98	59 - 141
Di-n-butyl phthalate	7.3	U	32.0	32.5		ug/L		102	58 - 149
Di-n-octyl phthalate	7.3	U	32.0	28.3		ug/L		88	55 - 167
Fluoranthene	7.3	U	32.0	31.1		ug/L		97	55 - 147
Fluorene	7.3	U	32.0	29.8		ug/L		93	55 - 143
Hexachlorobenzene	7.3	U	32.0	27.7		ug/L		87	38 - 131
Hexachlorobutadiene	7.3	U	32.0	25.6		ug/L		80	14 - 130
Hexachlorocyclopentadiene	7.3	U	32.0	14.2		ug/L		44	13 - 130
Hexachloroethane	7.3	U	32.0	24.6		ug/L		77	14 - 130
Indeno[1,2,3-cd]pyrene	7.3	U	32.0	26.1		ug/L		82	69 - 146
Isophorone	7.3	U	32.0	28.1		ug/L		88	48 - 133
Naphthalene	7.3	U	32.0	28.9		ug/L		90	35 - 130
Nitrobenzene	7.3	U	32.0	27.3		ug/L		85	45 - 123
N-Nitrosodi-n-propylamine	7.3	U	32.0	27.1		ug/L		85	56 - 120
N-Nitrosodiphenylamine	7.3	U	32.0	30.8		ug/L		96	25 - 125
Pentachlorophenol	15	U	64.0	48.7		ug/L		76	39 - 136
Phenanthrene	7.3	U	32.0	29.9		ug/L		93	57 - 147
Phenol	7.3	U	32.0	24.5		ug/L		76	17 - 120
Pyrene	7.3	U	32.0	31.4		ug/L		98	58 - 136

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*88*		*52 - 132*
2-Fluorobiphenyl	*87*		*48 - 120*
2-Fluorophenol (Surr)	*80*		*20 - 120*
Nitrobenzene-d5 (Surr)	*80*		*46 - 120*
Phenol-d5 (Surr)	*75*		*16 - 120*

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

Lab Sample ID: 480-108247-2 MS
Matrix: Water
Analysis Batch: 327441

Client Sample ID: WG-007830-102016-BP-002
Prep Type: Total/NA
Prep Batch: 327225

Surrogate	MS %Recovery	MS Qualifier	Limits
p-Terphenyl-d14 (Surr)	*90*		*67 - 150*

Lab Sample ID: 480-108247-2 MSD
Matrix: Water
Analysis Batch: 327441

Client Sample ID: WG-007830-102016-BP-002
Prep Type: Total/NA
Prep Batch: 327225

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	15	U	32.0	24.7		ug/L		77	40 - 120	4	30
1,2-Dichlorobenzene	15	U	32.0	24.9		ug/L		78	33 - 120	3	29
1,3-Dichlorobenzene	15	U	32.0	24.0		ug/L		75	28 - 120	6	37
1,4-Dichlorobenzene	15	U	32.0	24.7		ug/L		77	32 - 120	3	36
2,4,5-Trichlorophenol	7.3	U	32.0	24.9		ug/L		78	65 - 126	6	18
2,4,6-Trichlorophenol	7.3	U	32.0	24.9		ug/L		78	64 - 120	4	19
2,4-Dichlorophenol	7.3	U	32.0	28.5		ug/L		89	64 - 120	5	19
2,4-Dimethylphenol	7.3	U	32.0	27.7		ug/L		87	57 - 120	7	42
2,4-Dinitrophenol	15	U	64.0	44.3		ug/L		69	42 - 153	4	22
2,4-Dinitrotoluene	7.3	U	32.0	29.0		ug/L		91	62 - 148	6	20
2,6-Dinitrotoluene	7.3	U	32.0	29.1		ug/L		91	65 - 154	5	15
2-Chloronaphthalene	7.3	U	32.0	26.4		ug/L		82	41 - 124	4	21
2-Chlorophenol	7.3	U	32.0	26.5		ug/L		83	48 - 120	5	25
2-Methylnaphthalene	7.3	U	32.0	27.7		ug/L		87	34 - 122	3	21
2-Methylphenol	7.3	U	32.0	27.6		ug/L		86	39 - 120	6	27
2-Nitroaniline	15	U	32.0	26.3		ug/L		82	67 - 136	5	15
2-Nitrophenol	7.3	U	32.0	27.7		ug/L		87	59 - 120	7	18
3,3'-Dichlorobenzidine	7.3	U	64.0	81.0		ug/L		127	33 - 140	1	25
3-Nitroaniline	15	U	32.0	26.3		ug/L		82	69 - 129	5	19
4,6-Dinitro-2-methylphenol	15	U	64.0	53.1		ug/L		83	64 - 159	6	15
4-Bromophenyl phenyl ether	7.3	U	32.0	28.0		ug/L		88	71 - 126	6	15
4-Chloro-3-methylphenol	7.3	U	32.0	29.4		ug/L		92	64 - 120	0	27
4-Chloroaniline	7.3	U	32.0	26.3		ug/L		82	60 - 124	3	22
4-Chlorophenyl phenyl ether	7.3	U	32.0	26.7		ug/L		83	48 - 145	7	16
4-Methylphenol	15	U	32.0	28.0		ug/L		88	36 - 120	5	24
4-Nitroaniline	15	U	32.0	29.3		ug/L		91	64 - 135	4	24
4-Nitrophenol	15	U	64.0	58.0		ug/L		91	16 - 120	2	48
Acenaphthene	7.3	U	32.0	27.5		ug/L		86	60 - 120	6	24
Acenaphthylene	7.3	U	32.0	26.9		ug/L		84	63 - 120	5	18
Anthracene	7.3	U	32.0	28.4		ug/L		89	58 - 148	6	15
Benzaldehyde	7.3	U	64.0	38.5		ug/L		60	30 - 140	7	20
Benzo[a]anthracene	7.3	U	32.0	28.2		ug/L		88	55 - 151	1	15
Benzo[a]pyrene	7.3	U	32.0	26.2		ug/L		82	60 - 145	4	15
Benzo[b]fluoranthene	7.3	U	32.0	26.5		ug/L		83	54 - 140	6	15
Benzo[g,h,i]perylene	7.3	U	32.0	26.0		ug/L		81	66 - 152	3	15
Benzo[k]fluoranthene	7.3	U	32.0	25.3		ug/L		79	51 - 153	2	22
bis (2-chloroisopropyl) ether	7.3	U	32.0	21.2		ug/L		66	28 - 136	3	24
Bis(2-chloroethoxy)methane	7.3	U	32.0	26.3		ug/L		82	50 - 128	4	17
Bis(2-chloroethyl)ether	7.3	U	32.0	23.7		ug/L		74	51 - 120	8	21
Bis(2-ethylhexyl) phthalate	7.3	U	32.0	28.9		ug/L		90	53 - 158	2	15
Butyl benzyl phthalate	7.3	U	32.0	31.1		ug/L		97	58 - 163	7	16

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

Lab Sample ID: 480-108247-2 MSD — **Client Sample ID: WG-007830-102016-BP-002**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 327441 — **Prep Batch: 327225**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Carbazole	7.3	U	32.0	32.2		ug/L		101	59 - 148	3	20
Chrysene	7.3	U	32.0	28.5		ug/L		89	69 - 140	1	15
Dibenz(a,h)anthracene	7.3	U	32.0	25.0		ug/L		78	57 - 158	5	15
Dibenzofuran	15	U	32.0	27.8		ug/L		87	49 - 137	5	15
Diethyl phthalate	7.3	U	32.0	29.0		ug/L		91	59 - 146	4	15
Dimethyl phthalate	7.3	U	32.0	29.9		ug/L		93	59 - 141	5	15
Di-n-butyl phthalate	7.3	U	32.0	30.9		ug/L		97	58 - 149	5	15
Di-n-octyl phthalate	7.3	U	32.0	27.8		ug/L		87	55 - 167	2	16
Fluoranthene	7.3	U	32.0	29.2		ug/L		91	55 - 147	6	15
Fluorene	7.3	U	32.0	28.6		ug/L		89	55 - 143	4	15
Hexachlorobenzene	7.3	U	32.0	25.8		ug/L		81	38 - 131	7	15
Hexachlorobutadiene	7.3	U	32.0	23.8		ug/L		74	14 - 130	8	44
Hexachlorocyclopentadiene	7.3	U	32.0	13.9		ug/L		44	13 - 130	2	49
Hexachloroethane	7.3	U	32.0	23.1		ug/L		72	14 - 130	6	46
Indeno[1,2,3-cd]pyrene	7.3	U	32.0	25.1		ug/L		78	69 - 146	4	15
Isophorone	7.3	U	32.0	26.9		ug/L		84	48 - 133	4	17
Naphthalene	7.3	U	32.0	27.4		ug/L		86	35 - 130	6	29
Nitrobenzene	7.3	U	32.0	26.4		ug/L		82	45 - 123	4	24
N-Nitrosodi-n-propylamine	7.3	U	32.0	25.9		ug/L		81	56 - 120	4	31
N-Nitrosodiphenylamine	7.3	U	32.0	29.9		ug/L		93	25 - 125	3	15
Pentachlorophenol	15	U	64.0	45.1		ug/L		70	39 - 136	8	37
Phenanthrene	7.3	U	32.0	28.7		ug/L		90	57 - 147	4	15
Phenol	7.3	U	32.0	22.8		ug/L		71	17 - 120	7	34
Pyrene	7.3	U	32.0	31.0		ug/L		97	58 - 136	1	19

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*82*		*52 - 132*
2-Fluorobiphenyl	*82*		*48 - 120*
2-Fluorophenol (Surr)	*77*		*20 - 120*
Nitrobenzene-d5 (Surr)	*75*		*46 - 120*
Phenol-d5 (Surr)	*71*		*16 - 120*
p-Terphenyl-d14 (Surr)	*88*		*67 - 150*

Lab Sample ID: MB 480-328173/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 328277 — **Prep Batch: 328173**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	10	U	10	0.44	ug/L		10/27/16 16:31	10/28/16 19:01	1
1,2-Dichlorobenzene	10	U	10	0.40	ug/L		10/27/16 16:31	10/28/16 19:01	1
1,3-Dichlorobenzene	10	U	10	0.48	ug/L		10/27/16 16:31	10/28/16 19:01	1
1,4-Dichlorobenzene	10	U	10	0.46	ug/L		10/27/16 16:31	10/28/16 19:01	1
2,4,5-Trichlorophenol	5.0	U	5.0	0.48	ug/L		10/27/16 16:31	10/28/16 19:01	1
2,4,6-Trichlorophenol	5.0	U	5.0	0.61	ug/L		10/27/16 16:31	10/28/16 19:01	1
2,4-Dichlorophenol	5.0	U	5.0	0.51	ug/L		10/27/16 16:31	10/28/16 19:01	1
2,4-Dimethylphenol	5.0	U	5.0	0.50	ug/L		10/27/16 16:31	10/28/16 19:01	1
2,4-Dinitrophenol	10	U	10	2.2	ug/L		10/27/16 16:31	10/28/16 19:01	1
2,4-Dinitrotoluene	5.0	U	5.0	0.45	ug/L		10/27/16 16:31	10/28/16 19:01	1

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

Lab Sample ID: MB 480-328173/1-A
Matrix: Water
Analysis Batch: 328277

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 328173

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	5.0	U	5.0	0.40	ug/L		10/27/16 16:31	10/28/16 19:01	1
2-Chloronaphthalene	5.0	U	5.0	0.46	ug/L		10/27/16 16:31	10/28/16 19:01	1
2-Chlorophenol	5.0	U	5.0	0.53	ug/L		10/27/16 16:31	10/28/16 19:01	1
2-Methylnaphthalene	5.0	U	5.0	0.60	ug/L		10/27/16 16:31	10/28/16 19:01	1
2-Methylphenol	5.0	U	5.0	0.40	ug/L		10/27/16 16:31	10/28/16 19:01	1
2-Nitroaniline	10	U	10	0.42	ug/L		10/27/16 16:31	10/28/16 19:01	1
2-Nitrophenol	5.0	U	5.0	0.48	ug/L		10/27/16 16:31	10/28/16 19:01	1
3,3'-Dichlorobenzidine	5.0	U	5.0	0.40	ug/L		10/27/16 16:31	10/28/16 19:01	1
3-Nitroaniline	10	U	10	0.48	ug/L		10/27/16 16:31	10/28/16 19:01	1
4,6-Dinitro-2-methylphenol	10	U	10	2.2	ug/L		10/27/16 16:31	10/28/16 19:01	1
4-Bromophenyl phenyl ether	5.0	U	5.0	0.45	ug/L		10/27/16 16:31	10/28/16 19:01	1
4-Chloro-3-methylphenol	5.0	U	5.0	0.45	ug/L		10/27/16 16:31	10/28/16 19:01	1
4-Chloroaniline	5.0	U	5.0	0.59	ug/L		10/27/16 16:31	10/28/16 19:01	1
4-Chlorophenyl phenyl ether	5.0	U	5.0	0.35	ug/L		10/27/16 16:31	10/28/16 19:01	1
4-Methylphenol	10	U	10	0.36	ug/L		10/27/16 16:31	10/28/16 19:01	1
4-Nitroaniline	10	U	10	0.25	ug/L		10/27/16 16:31	10/28/16 19:01	1
4-Nitrophenol	10	U	10	1.5	ug/L		10/27/16 16:31	10/28/16 19:01	1
Acenaphthene	5.0	U	5.0	0.41	ug/L		10/27/16 16:31	10/28/16 19:01	1
Acenaphthylene	5.0	U	5.0	0.38	ug/L		10/27/16 16:31	10/28/16 19:01	1
Anthracene	5.0	U	5.0	0.28	ug/L		10/27/16 16:31	10/28/16 19:01	1
Benzaldehyde	5.0	U	5.0	0.27	ug/L		10/27/16 16:31	10/28/16 19:01	1
Benzo[a]anthracene	5.0	U	5.0	0.36	ug/L		10/27/16 16:31	10/28/16 19:01	1
Benzo[a]pyrene	5.0	U	5.0	0.47	ug/L		10/27/16 16:31	10/28/16 19:01	1
Benzo[b]fluoranthene	5.0	U	5.0	0.34	ug/L		10/27/16 16:31	10/28/16 19:01	1
Benzo[g,h,i]perylene	5.0	U	5.0	0.35	ug/L		10/27/16 16:31	10/28/16 19:01	1
Benzo[k]fluoranthene	5.0	U	5.0	0.73	ug/L		10/27/16 16:31	10/28/16 19:01	1
bis (2-chloroisopropyl) ether	5.0	U	5.0	0.52	ug/L		10/27/16 16:31	10/28/16 19:01	1
Bis(2-chloroethoxy)methane	5.0	U	5.0	0.35	ug/L		10/27/16 16:31	10/28/16 19:01	1
Bis(2-chloroethyl)ether	5.0	U	5.0	0.40	ug/L		10/27/16 16:31	10/28/16 19:01	1
Bis(2-ethylhexyl) phthalate	5.0	U	5.0	2.2	ug/L		10/27/16 16:31	10/28/16 19:01	1
Butyl benzyl phthalate	5.0	U	5.0	1.0	ug/L		10/27/16 16:31	10/28/16 19:01	1
Carbazole	5.0	U	5.0	0.30	ug/L		10/27/16 16:31	10/28/16 19:01	1
Chrysene	5.0	U	5.0	0.33	ug/L		10/27/16 16:31	10/28/16 19:01	1
Dibenz(a,h)anthracene	5.0	U	5.0	0.42	ug/L		10/27/16 16:31	10/28/16 19:01	1
Dibenzofuran	10	U	10	0.51	ug/L		10/27/16 16:31	10/28/16 19:01	1
Diethyl phthalate	5.0	U	5.0	0.22	ug/L		10/27/16 16:31	10/28/16 19:01	1
Dimethyl phthalate	5.0	U	5.0	0.36	ug/L		10/27/16 16:31	10/28/16 19:01	1
Di-n-butyl phthalate	5.0	U	5.0	0.31	ug/L		10/27/16 16:31	10/28/16 19:01	1
Di-n-octyl phthalate	5.0	U	5.0	0.47	ug/L		10/27/16 16:31	10/28/16 19:01	1
Fluoranthene	5.0	U	5.0	0.40	ug/L		10/27/16 16:31	10/28/16 19:01	1
Fluorene	5.0	U	5.0	0.36	ug/L		10/27/16 16:31	10/28/16 19:01	1
Hexachlorobenzene	5.0	U	5.0	0.51	ug/L		10/27/16 16:31	10/28/16 19:01	1
Hexachlorobutadiene	5.0	U	5.0	0.68	ug/L		10/27/16 16:31	10/28/16 19:01	1
Hexachlorocyclopentadiene	5.0	U	5.0	0.59	ug/L		10/27/16 16:31	10/28/16 19:01	1
Hexachloroethane	5.0	U	5.0	0.59	ug/L		10/27/16 16:31	10/28/16 19:01	1
Indeno[1,2,3-cd]pyrene	5.0	U	5.0	0.47	ug/L		10/27/16 16:31	10/28/16 19:01	1
Isophorone	5.0	U	5.0	0.43	ug/L		10/27/16 16:31	10/28/16 19:01	1
Naphthalene	5.0	U	5.0	0.76	ug/L		10/27/16 16:31	10/28/16 19:01	1

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

Lab Sample ID: MB 480-328173/1-A
Matrix: Water
Analysis Batch: 328277

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 328173

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	5.0	U	5.0	0.29	ug/L		10/27/16 16:31	10/28/16 19:01	1
N-Nitrosodi-n-propylamine	5.0	U	5.0	0.54	ug/L		10/27/16 16:31	10/28/16 19:01	1
N-Nitrosodiphenylamine	5.0	U	5.0	0.51	ug/L		10/27/16 16:31	10/28/16 19:01	1
Pentachlorophenol	10	U	10	2.2	ug/L		10/27/16 16:31	10/28/16 19:01	1
Phenanthrene	5.0	U	5.0	0.44	ug/L		10/27/16 16:31	10/28/16 19:01	1
Phenol	5.0	U	5.0	0.39	ug/L		10/27/16 16:31	10/28/16 19:01	1
Pyrene	5.0	U	5.0	0.34	ug/L		10/27/16 16:31	10/28/16 19:01	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*49.9*	*T J*	*ug/L*		*5.09*		*10/27/16 16:31*	*10/28/16 19:01*	*1*
Cyclotetrasiloxane, octamethyl-	*1.74*	*T J N*	*ug/L*		*6.17*	*556-67-2*	*10/27/16 16:31*	*10/28/16 19:01*	*1*
Cyclopentasiloxane, decamethyl-	*1.69*	*T J N*	*ug/L*		*7.12*	*541-02-6*	*10/27/16 16:31*	*10/28/16 19:01*	*1*
Unknown	*1.80*	*T J*	*ug/L*		*8.01*		*10/27/16 16:31*	*10/28/16 19:01*	*1*
Unknown	*2.22*	*T J*	*ug/L*		*10.42*		*10/27/16 16:31*	*10/28/16 19:01*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*70*		*52 - 132*	*10/27/16 16:31*	*10/28/16 19:01*	*1*
2-Fluorobiphenyl	*88*		*48 - 120*	*10/27/16 16:31*	*10/28/16 19:01*	*1*
2-Fluorophenol (Surr)	*69*		*20 - 120*	*10/27/16 16:31*	*10/28/16 19:01*	*1*
Nitrobenzene-d5 (Surr)	*76*		*46 - 120*	*10/27/16 16:31*	*10/28/16 19:01*	*1*
Phenol-d5 (Surr)	*52*		*16 - 120*	*10/27/16 16:31*	*10/28/16 19:01*	*1*
p-Terphenyl-d14 (Surr)	*94*		*67 - 150*	*10/27/16 16:31*	*10/28/16 19:01*	*1*

Lab Sample ID: LCS 480-328173/2-A
Matrix: Water
Analysis Batch: 328277

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 328173

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	16.0	9.70	J	ug/L		61	40 - 120
1,2-Dichlorobenzene	16.0	9.96	J	ug/L		62	33 - 120
1,3-Dichlorobenzene	16.0	9.30	J	ug/L		58	28 - 120
1,4-Dichlorobenzene	16.0	9.32	J	ug/L		58	32 - 120
2,4,5-Trichlorophenol	16.0	9.81	*	ug/L		61	65 - 126
2,4,6-Trichlorophenol	16.0	9.27	*	ug/L		58	64 - 120
2,4-Dichlorophenol	16.0	11.0		ug/L		69	64 - 120
2,4-Dimethylphenol	16.0	10.3		ug/L		64	57 - 120
2,4-Dinitrophenol	32.0	15.1		ug/L		47	42 - 153
2,4-Dinitrotoluene	16.0	11.1		ug/L		69	65 - 154
2,6-Dinitrotoluene	16.0	11.2	*	ug/L		70	74 - 134
2-Chloronaphthalene	16.0	10.1		ug/L		63	41 - 124
2-Chlorophenol	16.0	10.2		ug/L		64	48 - 120
2-Methylnaphthalene	16.0	10.7		ug/L		67	34 - 122
2-Methylphenol	16.0	10.4		ug/L		65	39 - 120
2-Nitroaniline	16.0	10.1	*	ug/L		63	67 - 136
2-Nitrophenol	16.0	10.3		ug/L		64	59 - 120
3,3'-Dichlorobenzidine	32.0	28.9		ug/L		90	33 - 140
3-Nitroaniline	16.0	10.9		ug/L		68	28 - 130

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

Lab Sample ID: LCS 480-328173/2-A
Matrix: Water
Analysis Batch: 328277

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 328173

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,6-Dinitro-2-methylphenol	32.0	19.2	*	ug/L		60	64 - 159
4-Bromophenyl phenyl ether	16.0	10.9	*	ug/L		68	71 - 126
4-Chloro-3-methylphenol	16.0	10.6		ug/L		66	64 - 120
4-Chloroaniline	16.0	11.0		ug/L		68	10 - 130
4-Chlorophenyl phenyl ether	16.0	10.1	*	ug/L		63	71 - 122
4-Methylphenol	16.0	10.4		ug/L		65	39 - 120
4-Nitroaniline	16.0	11.2		ug/L		70	47 - 130
4-Nitrophenol	32.0	20.6		ug/L		64	16 - 120
Acenaphthene	16.0	10.5		ug/L		66	60 - 120
Acenaphthylene	16.0	10.2		ug/L		64	63 - 120
Anthracene	16.0	10.3		ug/L		64	58 - 148
Benzaldehyde	32.0	15.5		ug/L		48	30 - 140
Benzo[a]anthracene	16.0	11.2		ug/L		70	55 - 151
Benzo[a]pyrene	16.0	11.0		ug/L		69	60 - 145
Benzo[b]fluoranthene	16.0	12.5		ug/L		78	54 - 140
Benzo[g,h,i]perylene	16.0	11.4		ug/L		71	66 - 152
Benzo[k]fluoranthene	16.0	12.0		ug/L		75	51 - 153
bis (2-chloroisopropyl) ether	16.0	7.86		ug/L		49	28 - 136
Bis(2-chloroethoxy)methane	16.0	9.88		ug/L		62	50 - 128
Bis(2-chloroethyl)ether	16.0	8.87		ug/L		55	51 - 120
Bis(2-ethylhexyl) phthalate	16.0	12.4		ug/L		77	53 - 158
Butyl benzyl phthalate	16.0	11.1		ug/L		70	58 - 163
Carbazole	16.0	12.3		ug/L		77	59 - 148
Chrysene	16.0	11.3		ug/L		71	69 - 140
Dibenz(a,h)anthracene	16.0	11.3		ug/L		71	57 - 148
Dibenzofuran	16.0	10.8		ug/L		67	49 - 137
Diethyl phthalate	16.0	11.3		ug/L		71	59 - 146
Dimethyl phthalate	16.0	11.6		ug/L		73	59 - 141
Di-n-butyl phthalate	16.0	11.4		ug/L		71	58 - 149
Di-n-octyl phthalate	16.0	11.9		ug/L		74	55 - 167
Fluoranthene	16.0	11.2		ug/L		70	55 - 147
Fluorene	16.0	11.1		ug/L		69	55 - 143
Hexachlorobenzene	16.0	10.1		ug/L		63	14 - 130
Hexachlorobutadiene	16.0	9.05		ug/L		57	14 - 130
Hexachlorocyclopentadiene	16.0	3.22	J	ug/L		20	13 - 130
Hexachloroethane	16.0	8.65		ug/L		54	14 - 130
Indeno[1,2,3-cd]pyrene	16.0	11.3		ug/L		71	69 - 146
Isophorone	16.0	9.98		ug/L		62	48 - 133
Naphthalene	16.0	10.3		ug/L		64	35 - 130
Nitrobenzene	16.0	9.73		ug/L		61	45 - 123
N-Nitrosodi-n-propylamine	16.0	9.75		ug/L		61	56 - 120
N-Nitrosodiphenylamine	16.0	10.6		ug/L		67	25 - 125
Pentachlorophenol	32.0	14.4		ug/L		45	39 - 136
Phenanthrene	16.0	10.9		ug/L		68	57 - 147
Phenol	16.0	7.22		ug/L		45	17 - 120
Pyrene	16.0	11.2		ug/L		70	58 - 136

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

Lab Sample ID: LCS 480-328173/2-A
Matrix: Water
Analysis Batch: 328277

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 328173

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	62		52 - 132
2-Fluorobiphenyl	63		48 - 120
2-Fluorophenol (Surr)	54		20 - 120
Nitrobenzene-d5 (Surr)	57		46 - 120
Phenol-d5 (Surr)	44		16 - 120
p-Terphenyl-d14 (Surr)	71		67 - 150

GC/MS VOA

Analysis Batch: 327394

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-108247-3	WG-007830-102016-BP-003	Total/NA	Water	8260C	
480-108247-4	WG-007830-102016-BP-004	Total/NA	Water	8260C	
480-108247-5	WG-007830-102016-BP-005	Total/NA	Water	8260C	
480-108247-6	WG-007830-102016-BP-006	Total/NA	Water	8260C	
480-108247-7	WG-007830-102016-BP-007	Total/NA	Water	8260C	
480-108247-8	WG-007830-102016-BP-008	Total/NA	Water	8260C	
480-108247-10	WG-007830-102016-BP-010	Total/NA	Water	8260C	
480-108247-11	WG-007830-102116-BP-011	Total/NA	Water	8260C	
480-108247-12	WG-007830-102116-BP-012	Total/NA	Water	8260C	
480-108247-13	WG-007830-102116-BP-013	Total/NA	Water	8260C	
MB 480-327394/9	Method Blank	Total/NA	Water	8260C	
LCS 480-327394/5	Lab Control Sample	Total/NA	Water	8260C	
480-108247-4 MS	WG-007830-102016-BP-004	Total/NA	Water	8260C	
480-108247-4 MSD	WG-007830-102016-BP-004	Total/NA	Water	8260C	

Analysis Batch: 327548

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-108247-1	WG-007830-102016-BP-001	Total/NA	Water	8260C	
480-108247-2	WG-007830-102016-BP-002	Total/NA	Water	8260C	
480-108247-9	WG-007830-102016-BP-009	Total/NA	Water	8260C	
480-108247-10 - DL	WG-007830-102016-BP-010	Total/NA	Water	8260C	
480-108247-11 - DL	WG-007830-102116-BP-011	Total/NA	Water	8260C	
480-108247-14	WG-007830-102116-BP-014	Total/NA	Water	8260C	
MB 480-327548/6	Method Blank	Total/NA	Water	8260C	
LCS 480-327548/4	Lab Control Sample	Total/NA	Water	8260C	
480-108247-11 MS	WG-007830-102116-BP-011	Total/NA	Water	8260C	
480-108247-11 MSD	WG-007830-102116-BP-011	Total/NA	Water	8260C	

Analysis Batch: 327640

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-108247-15	WG-007830-102116-BP-015	Total/NA	Water	8260C	
480-108247-17	WG-007830-102116-BP-017	Total/NA	Water	8260C	
480-108247-18	WG-007830-102116-BP-018	Total/NA	Water	8260C	
480-108247-19	SW-007830-102116-BP-019	Total/NA	Water	8260C	
480-108247-20	SW-007830-102116-BP-020	Total/NA	Water	8260C	
480-108247-21	TRIP BLANKS	Total/NA	Water	8260C	
480-108247-22	TRIP BLANKS	Total/NA	Water	8260C	
MB 480-327640/7	Method Blank	Total/NA	Water	8260C	
LCS 480-327640/4	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 327744

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-108247-15 - DL	WG-007830-102116-BP-015	Total/NA	Water	8260C	
480-108247-16	WG-007830-102116-BP-016	Total/NA	Water	8260C	
480-108247-18 - DL	WG-007830-102116-BP-018	Total/NA	Water	8260C	
MB 480-327744/9	Method Blank	Total/NA	Water	8260C	
LCS 480-327744/7	Lab Control Sample	Total/NA	Water	8260C	
480-108247-15 MS	WG-007830-102116-BP-015	Total/NA	Water	8260C	
480-108247-15 MSD	WG-007830-102116-BP-015	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 327225

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-108247-1	WG-007830-102016-BP-001	Total/NA	Water	3510C	
480-108247-2	WG-007830-102016-BP-002	Total/NA	Water	3510C	
480-108247-3	WG-007830-102016-BP-003	Total/NA	Water	3510C	
480-108247-4	WG-007830-102016-BP-004	Total/NA	Water	3510C	
480-108247-5	WG-007830-102016-BP-005	Total/NA	Water	3510C	
480-108247-6	WG-007830-102016-BP-006	Total/NA	Water	3510C	
480-108247-7	WG-007830-102016-BP-007	Total/NA	Water	3510C	
480-108247-8	WG-007830-102016-BP-008	Total/NA	Water	3510C	
480-108247-9	WG-007830-102016-BP-009	Total/NA	Water	3510C	
480-108247-10	WG-007830-102016-BP-010	Total/NA	Water	3510C	
480-108247-11	WG-007830-102116-BP-011	Total/NA	Water	3510C	
480-108247-12	WG-007830-102116-BP-012	Total/NA	Water	3510C	
480-108247-13	WG-007830-102116-BP-013	Total/NA	Water	3510C	
480-108247-14	WG-007830-102116-BP-014	Total/NA	Water	3510C	
480-108247-15	WG-007830-102116-BP-015	Total/NA	Water	3510C	
480-108247-16	WG-007830-102116-BP-016	Total/NA	Water	3510C	
480-108247-17	WG-007830-102116-BP-017	Total/NA	Water	3510C	
480-108247-18	WG-007830-102116-BP-018	Total/NA	Water	3510C	
480-108247-19	SW-007830-102116-BP-019	Total/NA	Water	3510C	
480-108247-20	SW-007830-102116-BP-020	Total/NA	Water	3510C	
MB 480-327225/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-327225/2-A	Lab Control Sample	Total/NA	Water	3510C	
480-108247-2 MS	WG-007830-102016-BP-002	Total/NA	Water	3510C	
480-108247-2 MSD	WG-007830-102016-BP-002	Total/NA	Water	3510C	

Analysis Batch: 327441

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-108247-1	WG-007830-102016-BP-001	Total/NA	Water	8270D	327225
480-108247-2	WG-007830-102016-BP-002	Total/NA	Water	8270D	327225
480-108247-3	WG-007830-102016-BP-003	Total/NA	Water	8270D	327225
480-108247-4	WG-007830-102016-BP-004	Total/NA	Water	8270D	327225
480-108247-5	WG-007830-102016-BP-005	Total/NA	Water	8270D	327225
480-108247-6	WG-007830-102016-BP-006	Total/NA	Water	8270D	327225
MB 480-327225/1-A	Method Blank	Total/NA	Water	8270D	327225
LCS 480-327225/2-A	Lab Control Sample	Total/NA	Water	8270D	327225
480-108247-2 MS	WG-007830-102016-BP-002	Total/NA	Water	8270D	327225
480-108247-2 MSD	WG-007830-102016-BP-002	Total/NA	Water	8270D	327225

Analysis Batch: 327738

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-108247-7	WG-007830-102016-BP-007	Total/NA	Water	8270D	327225
480-108247-8	WG-007830-102016-BP-008	Total/NA	Water	8270D	327225
480-108247-9	WG-007830-102016-BP-009	Total/NA	Water	8270D	327225
480-108247-10	WG-007830-102016-BP-010	Total/NA	Water	8270D	327225
480-108247-11	WG-007830-102116-BP-011	Total/NA	Water	8270D	327225
480-108247-12	WG-007830-102116-BP-012	Total/NA	Water	8270D	327225
480-108247-14	WG-007830-102116-BP-014	Total/NA	Water	8270D	327225
480-108247-15	WG-007830-102116-BP-015	Total/NA	Water	8270D	327225
480-108247-16	WG-007830-102116-BP-016	Total/NA	Water	8270D	327225
480-108247-17	WG-007830-102116-BP-017	Total/NA	Water	8270D	327225
480-108247-18	WG-007830-102116-BP-018	Total/NA	Water	8270D	327225

QC Association Summary

Client: GHD Services Inc.
Project/Site: Sterling Site 3

TestAmerica Job ID: 480-108247-1

Analysis Batch: 327997

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-108247-13	WG-007830-102116-BP-013	Total/NA	Water	8270D	327225
480-108247-19	SW-007830-102116-BP-019	Total/NA	Water	8270D	327225
480-108247-20	SW-007830-102116-BP-020	Total/NA	Water	8270D	327225

Prep Batch: 328173

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-108247-3 - RE	WG-007830-102016-BP-003	Total/NA	Water	3510C	
480-108247-9 - RE	WG-007830-102016-BP-009	Total/NA	Water	3510C	
MB 480-328173/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-328173/2-A	Lab Control Sample	Total/NA	Water	3510C	

Analysis Batch: 328277

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-328173/1-A	Method Blank	Total/NA	Water	8270D	328173
LCS 480-328173/2-A	Lab Control Sample	Total/NA	Water	8270D	328173

Analysis Batch: 328663

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-108247-3 - RE	WG-007830-102016-BP-003	Total/NA	Water	8270D	328173
480-108247-9 - RE	WG-007830-102016-BP-009	Total/NA	Water	8270D	328173

Lab Chronicle

Client: GHD Services Inc.
Project/Site: Sterling Site 3

TestAmerica Job ID: 480-108247-1

Client Sample ID: WG-007830-102016-BP-001 — Lab Sample ID: 480-108247-1

Date Collected: 10/20/16 09:00 — **Matrix: Water**
Date Received: 10/22/16 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	327548	10/25/16 15:59	SMY	TAL BUF
Total/NA	Prep	3510C			327225	10/24/16 07:42	SMP	TAL BUF
Total/NA	Analysis	8270D		1	327441	10/25/16 18:33	LMW	TAL BUF

Client Sample ID: WG-007830-102016-BP-002 — Lab Sample ID: 480-108247-2

Date Collected: 10/20/16 09:30 — **Matrix: Water**
Date Received: 10/22/16 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	327548	10/25/16 16:26	SMY	TAL BUF
Total/NA	Prep	3510C			327225	10/24/16 07:42	SMP	TAL BUF
Total/NA	Analysis	8270D		1	327441	10/25/16 19:02	LMW	TAL BUF

Client Sample ID: WG-007830-102016-BP-003 — Lab Sample ID: 480-108247-3

Date Collected: 10/20/16 10:00 — **Matrix: Water**
Date Received: 10/22/16 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	327394	10/25/16 01:40	NEA	TAL BUF
Total/NA	Prep	3510C			327225	10/24/16 07:42	SMP	TAL BUF
Total/NA	Analysis	8270D		1	327441	10/25/16 19:31	LMW	TAL BUF
Total/NA	Prep	3510C	RE		328173	10/27/16 16:31	ARS	TAL BUF
Total/NA	Analysis	8270D	RE	1	328663	10/31/16 19:57	LMW	TAL BUF

Client Sample ID: WG-007830-102016-BP-004 — Lab Sample ID: 480-108247-4

Date Collected: 10/20/16 10:30 — **Matrix: Water**
Date Received: 10/22/16 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		20	327394	10/25/16 02:07	NEA	TAL BUF
Total/NA	Prep	3510C			327225	10/24/16 07:42	SMP	TAL BUF
Total/NA	Analysis	8270D		1	327441	10/25/16 20:00	LMW	TAL BUF

Client Sample ID: WG-007830-102016-BP-005 — Lab Sample ID: 480-108247-5

Date Collected: 10/20/16 12:00 — **Matrix: Water**
Date Received: 10/22/16 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	327394	10/25/16 02:34	NEA	TAL BUF
Total/NA	Prep	3510C			327225	10/24/16 07:42	SMP	TAL BUF
Total/NA	Analysis	8270D		1	327441	10/25/16 20:29	LMW	TAL BUF

Client Sample ID: WG-007830-102016-BP-006

Lab Sample ID: 480-108247-6
Matrix: Water
Date Collected: 10/20/16 13:00
Date Received: 10/22/16 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		40	327394	10/25/16 03:01	NEA	TAL BUF
Total/NA	Prep	3510C			327225	10/24/16 07:42	SMP	TAL BUF
Total/NA	Analysis	8270D		1	327441	10/25/16 20:58	LMW	TAL BUF

Client Sample ID: WG-007830-102016-BP-007

Lab Sample ID: 480-108247-7
Matrix: Water
Date Collected: 10/20/16 14:00
Date Received: 10/22/16 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		8	327394	10/25/16 03:27	NEA	TAL BUF
Total/NA	Prep	3510C			327225	10/24/16 07:42	SMP	TAL BUF
Total/NA	Analysis	8270D		1	327738	10/26/16 10:45	LMW	TAL BUF

Client Sample ID: WG-007830-102016-BP-008

Lab Sample ID: 480-108247-8
Matrix: Water
Date Collected: 10/20/16 15:00
Date Received: 10/22/16 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	327394	10/25/16 03:54	NEA	TAL BUF
Total/NA	Prep	3510C			327225	10/24/16 07:42	SMP	TAL BUF
Total/NA	Analysis	8270D		10	327738	10/26/16 11:14	LMW	TAL BUF

Client Sample ID: WG-007830-102016-BP-009

Lab Sample ID: 480-108247-9
Matrix: Water
Date Collected: 10/20/16 15:30
Date Received: 10/22/16 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	327548	10/25/16 16:52	SMY	TAL BUF
Total/NA	Prep	3510C			327225	10/24/16 07:42	SMP	TAL BUF
Total/NA	Analysis	8270D		10	327738	10/26/16 11:43	LMW	TAL BUF
Total/NA	Prep	3510C	RE		328173	10/27/16 16:31	ARS	TAL BUF
Total/NA	Analysis	8270D	RE	10	328663	10/31/16 19:28	LMW	TAL BUF

Client Sample ID: WG-007830-102016-BP-010

Lab Sample ID: 480-108247-10
Matrix: Water
Date Collected: 10/20/16 16:00
Date Received: 10/22/16 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	327394	10/25/16 04:49	NEA	TAL BUF
Total/NA	Analysis	8260C	DL	5	327548	10/25/16 15:05	SMY	TAL BUF
Total/NA	Prep	3510C			327225	10/24/16 07:42	SMP	TAL BUF
Total/NA	Analysis	8270D		1	327738	10/26/16 12:12	LMW	TAL BUF

Client Sample ID: WG-007830-102116-BP-011

Lab Sample ID: 480-108247-11
Date Collected: 10/21/16 08:30
Matrix: Water
Date Received: 10/22/16 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	327394	10/25/16 05:16	NEA	TAL BUF
Total/NA	Analysis	8260C	DL	20	327548	10/25/16 15:32	SMY	TAL BUF
Total/NA	Prep	3510C			327225	10/24/16 07:42	SMP	TAL BUF
Total/NA	Analysis	8270D		1	327738	10/26/16 12:41	LMW	TAL BUF

Client Sample ID: WG-007830-102116-BP-012

Lab Sample ID: 480-108247-12
Date Collected: 10/21/16 09:30
Matrix: Water
Date Received: 10/22/16 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	327394	10/25/16 05:43	NEA	TAL BUF
Total/NA	Prep	3510C			327225	10/24/16 07:42	SMP	TAL BUF
Total/NA	Analysis	8270D		1	327738	10/26/16 13:10	LMW	TAL BUF

Client Sample ID: WG-007830-102116-BP-013

Lab Sample ID: 480-108247-13
Date Collected: 10/21/16 10:30
Matrix: Water
Date Received: 10/22/16 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	327394	10/25/16 06:10	NEA	TAL BUF
Total/NA	Prep	3510C			327225	10/24/16 07:42	SMP	TAL BUF
Total/NA	Analysis	8270D		5	327997	10/27/16 12:28	LMW	TAL BUF

Client Sample ID: WG-007830-102116-BP-014

Lab Sample ID: 480-108247-14
Date Collected: 10/21/16 11:00
Matrix: Water
Date Received: 10/22/16 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	327548	10/25/16 17:46	SMY	TAL BUF
Total/NA	Prep	3510C			327225	10/24/16 07:42	SMP	TAL BUF
Total/NA	Analysis	8270D		1	327738	10/26/16 14:09	LMW	TAL BUF

Client Sample ID: WG-007830-102116-BP-015

Lab Sample ID: 480-108247-15
Date Collected: 10/21/16 12:00
Matrix: Water
Date Received: 10/22/16 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	327640	10/26/16 02:08	NEA	TAL BUF
Total/NA	Analysis	8260C	DL	25	327744	10/26/16 14:05	SMY	TAL BUF
Total/NA	Prep	3510C			327225	10/24/16 07:42	SMP	TAL BUF
Total/NA	Analysis	8270D		10	327738	10/26/16 14:38	LMW	TAL BUF

Client Sample ID: WG-007830-102116-BP-016

Lab Sample ID: 480-108247-16
Date Collected: 10/21/16 12:30
Matrix: Water
Date Received: 10/22/16 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	327744	10/26/16 14:32	SMY	TAL BUF
Total/NA	Prep	3510C			327225	10/24/16 07:42	SMP	TAL BUF
Total/NA	Analysis	8270D		1	327738	10/26/16 15:07	LMW	TAL BUF

Client Sample ID: WG-007830-102116-BP-017

Lab Sample ID: 480-108247-17
Date Collected: 10/21/16 13:00
Matrix: Water
Date Received: 10/22/16 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	327640	10/26/16 03:03	NEA	TAL BUF
Total/NA	Prep	3510C			327225	10/24/16 07:42	SMP	TAL BUF
Total/NA	Analysis	8270D		5	327738	10/26/16 15:36	LMW	TAL BUF

Client Sample ID: WG-007830-102116-BP-018

Lab Sample ID: 480-108247-18
Date Collected: 10/21/16 13:30
Matrix: Water
Date Received: 10/22/16 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	327640	10/26/16 03:29	NEA	TAL BUF
Total/NA	Analysis	8260C	DL	20	327744	10/26/16 15:00	SMY	TAL BUF
Total/NA	Prep	3510C			327225	10/24/16 07:42	SMP	TAL BUF
Total/NA	Analysis	8270D		50	327738	10/26/16 16:05	LMW	TAL BUF

Client Sample ID: SW-007830-102116-BP-019

Lab Sample ID: 480-108247-19
Date Collected: 10/21/16 14:00
Matrix: Water
Date Received: 10/22/16 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	327640	10/26/16 03:57	NEA	TAL BUF
Total/NA	Prep	3510C			327225	10/24/16 07:42	SMP	TAL BUF
Total/NA	Analysis	8270D		10	327997	10/27/16 12:58	LMW	TAL BUF

Client Sample ID: SW-007830-102116-BP-020

Lab Sample ID: 480-108247-20
Date Collected: 10/21/16 15:00
Matrix: Water
Date Received: 10/22/16 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	327640	10/26/16 04:24	NEA	TAL BUF
Total/NA	Prep	3510C			327225	10/24/16 07:42	SMP	TAL BUF
Total/NA	Analysis	8270D		10	327997	10/27/16 13:27	LMW	TAL BUF

Lab Chronicle

Client: GHD Services Inc.
Project/Site: Sterling Site 3

TestAmerica Job ID: 480-108247-1

Client Sample ID: TRIP BLANKS
Date Collected: 10/20/16 00:00
Date Received: 10/22/16 09:00

Lab Sample ID: 480-108247-21
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	327640	10/26/16 04:51	NEA	TAL BUF

Client Sample ID: TRIP BLANKS
Date Collected: 10/21/16 00:00
Date Received: 10/22/16 09:00

Lab Sample ID: 480-108247-22
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	327640	10/26/16 05:17	NEA	TAL BUF

Laboratory References:

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

Certification Summary

Client: GHD Services Inc.
Project/Site: Sterling Site 3

TestAmerica Job ID: 480-108247-1

Laboratory: TestAmerica Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-17

The following analytes are included in this report, but are not certified under this certification:

Analysis Method	Prep Method	Matrix	Analyte
8260C		Water	Ethyl ether

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8260C		Water	2-Methylthiophene
8260C		Water	3-Methylthiophene

Method Summary

Client: GHD Services Inc.
Project/Site: Sterling Site 3

TestAmerica Job ID: 480-108247-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: GHD Services Inc.
Project/Site: Sterling Site 3

TestAmerica Job ID: 480-108247-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-108247-1	WG-007830-102016-BP-001	Water	10/20/16 09:00	10/22/16 09:00
480-108247-2	WG-007830-102016-BP-002	Water	10/20/16 09:30	10/22/16 09:00
480-108247-3	WG-007830-102016-BP-003	Water	10/20/16 10:00	10/22/16 09:00
480-108247-4	WG-007830-102016-BP-004	Water	10/20/16 10:30	10/22/16 09:00
480-108247-5	WG-007830-102016-BP-005	Water	10/20/16 12:00	10/22/16 09:00
480-108247-6	WG-007830-102016-BP-006	Water	10/20/16 13:00	10/22/16 09:00
480-108247-7	WG-007830-102016-BP-007	Water	10/20/16 14:00	10/22/16 09:00
480-108247-8	WG-007830-102016-BP-008	Water	10/20/16 15:00	10/22/16 09:00
480-108247-9	WG-007830-102016-BP-009	Water	10/20/16 15:30	10/22/16 09:00
480-108247-10	WG-007830-102016-BP-010	Water	10/20/16 16:00	10/22/16 09:00
480-108247-11	WG-007830-102116-BP-011	Water	10/21/16 08:30	10/22/16 09:00
480-108247-12	WG-007830-102116-BP-012	Water	10/21/16 09:30	10/22/16 09:00
480-108247-13	WG-007830-102116-BP-013	Water	10/21/16 10:30	10/22/16 09:00
480-108247-14	WG-007830-102116-BP-014	Water	10/21/16 11:00	10/22/16 09:00
480-108247-15	WG-007830-102116-BP-015	Water	10/21/16 12:00	10/22/16 09:00
480-108247-16	WG-007830-102116-BP-016	Water	10/21/16 12:30	10/22/16 09:00
480-108247-17	WG-007830-102116-BP-017	Water	10/21/16 13:00	10/22/16 09:00
480-108247-18	WG-007830-102116-BP-018	Water	10/21/16 13:30	10/22/16 09:00
480-108247-19	SW-007830-102116-BP-019	Water	10/21/16 14:00	10/22/16 09:00
480-108247-20	SW-007830-102116-BP-020	Water	10/21/16 15:00	10/22/16 09:00
480-108247-21	TRIP BLANKS	Water	10/20/16 00:00	10/22/16 09:00
480-108247-22	TRIP BLANKS	Water	10/21/16 00:00	10/22/16 09:00

CHAIN OF CUSTODY RECORD

COC NO.: 56886

PAGE 1 OF 2

Address:

Phone: **Fax:**

Project No/ Phase/Task Code: 007830-2016-95	**Laboratory Name:** Test America	**Lab Location:** Amherst, NY	**SSOW**
Project Name: Sterling Site 3	**Lab Contact:** John Schove		**Cooler**
Project Location: East Greenbush NY			**Carrier:** Fed
GHD Chemistry Contact: Kathy Willy			480-108247 COC
Sampler(s): B. PICKERT			**Airbill No:**

Total # of Containers: 80 — 2 coolers TOTAL

Item	Sample Identification (Containers for each sample may be combined on one line)	Date (mm/dd/yy)	Time (hh:mm)	Matrix Code (see back of COC)	Grab (G) or Comp (C)	Filtered (Y/N)	8260C-TCL LIST OLM04.2	8270D-TCL SVOA OLM04.2	Total Containers/sample	MS/MSD Request	Comments/ Special Instructions:
	PRESERVATION - (SEE BACK OF COC FOR ABBREVIATIONS)										
1	WG-007830-102016-BP-001	10/20/16	0900	WG	G	N	2	2	4		
2	002		0930	WG	G	N	2	2	4		TCL VOC's - include SSPs + TICs (SSPs - ethyl ether)
3	003		1000	WG	G	N	2	2	4		
4	004		1030	WG	G	N	2	2	4		
5	005		1200	WG	G	N	2	1	3		
6	006		1300	WG	G	N	2	2	4		
7	007		1400	WG	G	N	2	2	4		TCL SVOC's - include TICs Pharmaceutical parameters
8	008		1500	WG	G	N	2	2	4		
9	009		1530	WG	G	N	2	2	4		
10	010		1600	WG	G	N	2	2	4		
11											
12	TRIP BLANKS						2	F	2		

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TAT Required in business days (use separate COCs for different TATs):

☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 1 Week ☐ 2 Week ☐ Other:

Notes/ Special Requirements: Temp 3.7 4.6 #1

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
	GHD	10/21/16	1700	1.	TA	10/22/16	0900
				2.			
				3.			

11/11/2016

THE CHAIN OF CUSTODY IS A LEGAL DOCUMENT – ALL FIELDS MUST BE COMPLETED ACCURATELY

Distribution: WHITE – Fully Executed Copy (CRA) YELLOW – Receiving Laboratory Copy PINK – Shipper GOLDENROD – Sampling Crew

GHD Form: COC-10B (20110804)

CHAIN OF CUSTODY RECORD

COC NO.: 56887

Address: _____ PAGE 2 OF 2

Phone: _____ Fax: _____

Project No/ Phase/Task Code: 007830-2016-95	Laboratory Name: Test America	Lab Location: Amherst, NY	SSOW ID:
Project Name: Sterling SITE 3	Lab Contact: John Schove		Cooler No:
Project Location: East Greenbush, NY			Carrier:
GHD Chemistry Contact: Kathy Willy			Airbill No: Fedex
Sampler(s): B-Pickert			Total # of Containers: 80 — TOTAL; 2 coolers

Item	Sample Identification (Containers for each sample may be combined on one line)	Date (mm/dd/yy)	Time (hh:mm)	Matrix Code (see back of COC)	Grab (G) or Comp (C)	Filtered (Y/N)	8260c-TCL VOC	OLM04.2	8270D-TCL SVOC	OLM04.2	Total Containers/sample	MS/MSD Request	Comments/ Special Instructions:
	PRESERVATION - (SEE BACK OF COC FOR ABBREVIATIONS)												
1	WG-007830-102116-BP-011	10/21/16	0830	WG	G	N	2		2		4		
2	012		0930	WG	G	N	2		2		4		TCL VOC's - include SSPs + TICs (SSPs - ethyl ether)
3	013		1030	WG	G	N	2		2		4		
4	014		1100	WG	G	N	2		2		4		
5	015		1200	WG	G	N	2		1		3		
6	016		1230	WG	G	N	2		1		3		
7	017		1300	WG	G	N	2		1		3		TCL SVOC's - include TICs pharmaceutical parameters
8	018		1330	WG	G	N	2		2		4		
9	SW-007830-102116-BP-019	10/21/16	1400	WS	G	N	2		2		4		
10	SW-007830-102116-BP-020	10/21/16	1500	WS	G	N	2		2		4		
11													
12	TRIP BLANKS						2		—		2		

TAT Required in business days (use separate COCs for different TATs):

☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 1 Week ☐ 2 Week ☐ Other:

Notes/ Special Requirements:

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
	GHD	10/21/16	1700	1.	TA	10/22/16	0900
				2.			
				3.			

THE CHAIN OF CUSTODY IS A LEGAL DOCUMENT – ALL FIELDS MUST BE COMPLETED ACCURATELY

Distribution: WHITE – Fully Executed Copy (CRA) YELLOW – Receiving Laboratory Copy PINK – Shipper GOLDENROD – Sampling Crew

GHD Form: COC-10B (20110804)

Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 480-108247-1

Login Number: 108247
List Number: 1
Creator: Conway, Curtis R

List Source: TestAmerica Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (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	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	GHD
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 480-108357-1
Client Project/Site: Sterling Site 3

For:
GHD Services Inc.
2055 Niagara Falls Blvd., Suite 3
Niagara Falls, New York 14304

Attn: Kathleen Willy

Authorized for release by:
10/31/2016 2:08:22 PM
Rebecca Jones, Project Management Assistant I
rebecca.jones@testamericainc.com

Designee for

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

LINKS

Review your project results through TotalAccess

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Table of Contents

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
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
U	Indicates the analyte was analyzed for but not detected.
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 TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	This flag indicates the presumptive evidence of a compound.
T	Result is a tentatively identified compound (TIC) and an estimated value.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Job ID: 480-108357-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-108357-1

Comments
No additional comments.

Receipt
The samples were received on 10/25/2016 9:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.0º C.

Receipt Exceptions

COC requests MS/MSD on sample 2, no volume was provided to perform QC analysis on this sample. Did not add QC to login for this sample, PER Pm instructions.

GC/MS VOA
Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-327904 recovered outside acceptance criteria, low biased, for Chloromethane. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated sample was non-detect for this analyte, the data has been reported for the affected samples WG-007830-102416-BP-022 (480-108357-2).

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

GC/MS Semi VOA
Method(s) 8270D: The continuing calibration verification (CCV) analyzed in batch 480-328385 was outside the method criteria for the following analyte: 2,4,6-Tribromophenol (surr). 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: WG-007830-102416-BP-021 (480-108357-1) and WG-007830-102416-BP-022 (480-108357-2).

Method(s) 8270D: The following sample was diluted due to the nature of the sample matrix: WG-007830-102416-BP-022 (480-108357-2). 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.

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

Detection Summary

Client: GHD Services Inc.
Project/Site: Sterling Site 3

TestAmerica Job ID: 480-108357-1

Client Sample ID: WG-007830-102416-BP-021 — Lab Sample ID: 480-108357-1

No Detections.

Client Sample ID: WG-007830-102416-BP-022 — Lab Sample ID: 480-108357-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.2	J	10	3.0	ug/L	1		8260C	Total/NA
Ethyl ether	94		10	0.72	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: WG-007830-102416-BP-021 **Lab Sample ID: 480-108357-1**
Date Collected: 10/24/16 09:30 **Matrix: Water**
Date Received: 10/25/16 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.0	U	5.0	0.82	ug/L			10/26/16 04:59	1
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.21	ug/L			10/26/16 04:59	1
1,1,2-Trichloroethane	5.0	U	5.0	0.23	ug/L			10/26/16 04:59	1
1,1-Dichloroethane	5.0	U	5.0	0.38	ug/L			10/26/16 04:59	1
1,1-Dichloroethene	5.0	U	5.0	0.29	ug/L			10/26/16 04:59	1
1,2-Dichloroethane	5.0	U	5.0	0.21	ug/L			10/26/16 04:59	1
1,2-Dichloropropane	5.0	U	5.0	0.72	ug/L			10/26/16 04:59	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			10/26/16 04:59	1
2-Hexanone	10	U	10	1.2	ug/L			10/26/16 04:59	1
2-Methylthiophene	10	U	10	0.44	ug/L			10/26/16 04:59	1
4-Methyl-2-pentanone (MIBK)	10	U	10	2.1	ug/L			10/26/16 04:59	1
Acetone	10	U	10	3.0	ug/L			10/26/16 04:59	1
Benzene	1.0	U	1.0	0.41	ug/L			10/26/16 04:59	1
Bromoform	5.0	U	5.0	0.26	ug/L			10/26/16 04:59	1
Bromomethane	10	U	10	0.69	ug/L			10/26/16 04:59	1
Carbon disulfide	5.0	U	5.0	0.19	ug/L			10/26/16 04:59	1
Carbon tetrachloride	5.0	U	5.0	0.27	ug/L			10/26/16 04:59	1
Chlorobenzene	5.0	U	5.0	0.75	ug/L			10/26/16 04:59	1
Dibromochloromethane	5.0	U	5.0	0.32	ug/L			10/26/16 04:59	1
Chloroethane	10	U	10	0.32	ug/L			10/26/16 04:59	1
Chloroform	5.0	U	5.0	0.34	ug/L			10/26/16 04:59	1
Chloromethane	10	U	10	0.35	ug/L			10/26/16 04:59	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.81	ug/L			10/26/16 04:59	1
Bromodichloromethane	5.0	U	5.0	0.39	ug/L			10/26/16 04:59	1
Ethyl ether	10	U	10	0.72	ug/L			10/26/16 04:59	1
Ethylbenzene	5.0	U	5.0	0.74	ug/L			10/26/16 04:59	1
Methylene Chloride	5.0	U	5.0	0.44	ug/L			10/26/16 04:59	1
m&p-Xylene	5.0	U	5.0	0.66	ug/L			10/26/16 04:59	1
o-Xylene	5.0	U	5.0	0.76	ug/L			10/26/16 04:59	1
Tetrachloroethene	5.0	U	5.0	0.36	ug/L			10/26/16 04:59	1
Toluene	5.0	U	5.0	0.51	ug/L			10/26/16 04:59	1
trans-1,2-Dichloroethene	5.0	U	5.0	0.90	ug/L			10/26/16 04:59	1
trans-1,3-Dichloropropene	5.0	U	5.0	0.37	ug/L			10/26/16 04:59	1
Trichloroethene	5.0	U	5.0	0.46	ug/L			10/26/16 04:59	1
Vinyl chloride	10	U	10	0.90	ug/L			10/26/16 04:59	1
cis-1,3-Dichloropropene	5.0	U	5.0	0.36	ug/L			10/26/16 04:59	1
Styrene	5.0	U	5.0	0.73	ug/L			10/26/16 04:59	1
3-Methylthiophene	10	U	10	0.53	ug/L			10/26/16 04:59	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*10/26/16 04:59*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*		*10/26/16 04:59*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*10/26/16 04:59*	*1*
Dibromofluoromethane (Surr)	*109*		*75 - 123*		*10/26/16 04:59*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/26/16 04:59*	*1*

Client: GHD Services Inc.
Project/Site: Sterling Site 3

TestAmerica Job ID: 480-108357-1

Client Sample ID: WG-007830-102416-BP-021
Date Collected: 10/24/16 09:30
Date Received: 10/25/16 09:30

Lab Sample ID: 480-108357-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	9.7	U	9.7	0.43	ug/L		10/27/16 07:31	10/29/16 09:08	1
1,2-Dichlorobenzene	9.7	U	9.7	0.39	ug/L		10/27/16 07:31	10/29/16 09:08	1
1,3-Dichlorobenzene	9.7	U	9.7	0.46	ug/L		10/27/16 07:31	10/29/16 09:08	1
1,4-Dichlorobenzene	9.7	U	9.7	0.45	ug/L		10/27/16 07:31	10/29/16 09:08	1
2,4,5-Trichlorophenol	4.8	U	4.8	0.46	ug/L		10/27/16 07:31	10/29/16 09:08	1
2,4,6-Trichlorophenol	4.8	U	4.8	0.59	ug/L		10/27/16 07:31	10/29/16 09:08	1
2,4-Dichlorophenol	4.8	U	4.8	0.49	ug/L		10/27/16 07:31	10/29/16 09:08	1
2,4-Dimethylphenol	4.8	U	4.8	0.48	ug/L		10/27/16 07:31	10/29/16 09:08	1
2,4-Dinitrophenol	9.7	U	9.7	2.1	ug/L		10/27/16 07:31	10/29/16 09:08	1
2,4-Dinitrotoluene	4.8	U	4.8	0.43	ug/L		10/27/16 07:31	10/29/16 09:08	1
2,6-Dinitrotoluene	4.8	U	4.8	0.39	ug/L		10/27/16 07:31	10/29/16 09:08	1
2-Chloronaphthalene	4.8	U	4.8	0.45	ug/L		10/27/16 07:31	10/29/16 09:08	1
2-Chlorophenol	4.8	U	4.8	0.51	ug/L		10/27/16 07:31	10/29/16 09:08	1
2-Methylnaphthalene	4.8	U	4.8	0.58	ug/L		10/27/16 07:31	10/29/16 09:08	1
2-Methylphenol	4.8	U	4.8	0.39	ug/L		10/27/16 07:31	10/29/16 09:08	1
2-Nitroaniline	9.7	U	9.7	0.41	ug/L		10/27/16 07:31	10/29/16 09:08	1
2-Nitrophenol	4.8	U	4.8	0.46	ug/L		10/27/16 07:31	10/29/16 09:08	1
3,3'-Dichlorobenzidine	4.8	U	4.8	0.39	ug/L		10/27/16 07:31	10/29/16 09:08	1
3-Nitroaniline	9.7	U	9.7	0.46	ug/L		10/27/16 07:31	10/29/16 09:08	1
4,6-Dinitro-2-methylphenol	9.7	U	9.7	2.1	ug/L		10/27/16 07:31	10/29/16 09:08	1
4-Bromophenyl phenyl ether	4.8	U	4.8	0.44	ug/L		10/27/16 07:31	10/29/16 09:08	1
4-Chloro-3-methylphenol	4.8	U	4.8	0.44	ug/L		10/27/16 07:31	10/29/16 09:08	1
4-Chloroaniline	4.8	U	4.8	0.57	ug/L		10/27/16 07:31	10/29/16 09:08	1
4-Chlorophenyl phenyl ether	4.8	U	4.8	0.34	ug/L		10/27/16 07:31	10/29/16 09:08	1
4-Methylphenol	9.7	U	9.7	0.35	ug/L		10/27/16 07:31	10/29/16 09:08	1
4-Nitroaniline	9.7	U	9.7	0.24	ug/L		10/27/16 07:31	10/29/16 09:08	1
4-Nitrophenol	9.7	U	9.7	1.5	ug/L		10/27/16 07:31	10/29/16 09:08	1
Acenaphthene	4.8	U	4.8	0.40	ug/L		10/27/16 07:31	10/29/16 09:08	1
Acenaphthylene	4.8	U	4.8	0.37	ug/L		10/27/16 07:31	10/29/16 09:08	1
Anthracene	4.8	U	4.8	0.27	ug/L		10/27/16 07:31	10/29/16 09:08	1
Benzaldehyde	4.8	U	4.8	0.26	ug/L		10/27/16 07:31	10/29/16 09:08	1
Benzo[a]anthracene	4.8	U	4.8	0.35	ug/L		10/27/16 07:31	10/29/16 09:08	1
Benzo[a]pyrene	4.8	U	4.8	0.45	ug/L		10/27/16 07:31	10/29/16 09:08	1
Benzo[b]fluoranthene	4.8	U	4.8	0.33	ug/L		10/27/16 07:31	10/29/16 09:08	1
Benzo[g,h,i]perylene	4.8	U	4.8	0.34	ug/L		10/27/16 07:31	10/29/16 09:08	1
Benzo[k]fluoranthene	4.8	U	4.8	0.71	ug/L		10/27/16 07:31	10/29/16 09:08	1
bis (2-chloroisopropyl) ether	4.8	U	4.8	0.50	ug/L		10/27/16 07:31	10/29/16 09:08	1
Bis(2-chloroethoxy)methane	4.8	U	4.8	0.34	ug/L		10/27/16 07:31	10/29/16 09:08	1
Bis(2-chloroethyl)ether	4.8	U	4.8	0.39	ug/L		10/27/16 07:31	10/29/16 09:08	1
Bis(2-ethylhexyl) phthalate	4.8	U	4.8	2.1	ug/L		10/27/16 07:31	10/29/16 09:08	1
Butyl benzyl phthalate	4.8	U	4.8	0.97	ug/L		10/27/16 07:31	10/29/16 09:08	1
Carbazole	4.8	U	4.8	0.29	ug/L		10/27/16 07:31	10/29/16 09:08	1
Chrysene	4.8	U	4.8	0.32	ug/L		10/27/16 07:31	10/29/16 09:08	1
Dibenz(a,h)anthracene	4.8	U	4.8	0.41	ug/L		10/27/16 07:31	10/29/16 09:08	1
Dibenzofuran	9.7	U	9.7	0.49	ug/L		10/27/16 07:31	10/29/16 09:08	1
Diethyl phthalate	4.8	U	4.8	0.21	ug/L		10/27/16 07:31	10/29/16 09:08	1
Dimethyl phthalate	4.8	U	4.8	0.35	ug/L		10/27/16 07:31	10/29/16 09:08	1
Di-n-butyl phthalate	4.8	U	4.8	0.30	ug/L		10/27/16 07:31	10/29/16 09:08	1
Di-n-octyl phthalate	4.8	U	4.8	0.45	ug/L		10/27/16 07:31	10/29/16 09:08	1

Client: GHD Services Inc.
Project/Site: Sterling Site 3

TestAmerica Job ID: 480-108357-1

Client Sample ID: WG-007830-102416-BP-021 **Lab Sample ID: 480-108357-1**
Date Collected: 10/24/16 09:30 **Matrix: Water**
Date Received: 10/25/16 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	4.8	U	4.8	0.39	ug/L		10/27/16 07:31	10/29/16 09:08	1
Fluorene	4.8	U	4.8	0.35	ug/L		10/27/16 07:31	10/29/16 09:08	1
Hexachlorobenzene	4.8	U	4.8	0.49	ug/L		10/27/16 07:31	10/29/16 09:08	1
Hexachlorobutadiene	4.8	U	4.8	0.66	ug/L		10/27/16 07:31	10/29/16 09:08	1
Hexachlorocyclopentadiene	4.8	U	4.8	0.57	ug/L		10/27/16 07:31	10/29/16 09:08	1
Hexachloroethane	4.8	U	4.8	0.57	ug/L		10/27/16 07:31	10/29/16 09:08	1
Indeno[1,2,3-cd]pyrene	4.8	U	4.8	0.45	ug/L		10/27/16 07:31	10/29/16 09:08	1
Isophorone	4.8	U	4.8	0.42	ug/L		10/27/16 07:31	10/29/16 09:08	1
Naphthalene	4.8	U	4.8	0.74	ug/L		10/27/16 07:31	10/29/16 09:08	1
Nitrobenzene	4.8	U	4.8	0.28	ug/L		10/27/16 07:31	10/29/16 09:08	1
N-Nitrosodi-n-propylamine	4.8	U	4.8	0.52	ug/L		10/27/16 07:31	10/29/16 09:08	1
N-Nitrosodiphenylamine	4.8	U	4.8	0.49	ug/L		10/27/16 07:31	10/29/16 09:08	1
Pentachlorophenol	9.7	U	9.7	2.1	ug/L		10/27/16 07:31	10/29/16 09:08	1
Phenanthrene	4.8	U	4.8	0.43	ug/L		10/27/16 07:31	10/29/16 09:08	1
Phenol	4.8	U	4.8	0.38	ug/L		10/27/16 07:31	10/29/16 09:08	1
Pyrene	4.8	U	4.8	0.33	ug/L		10/27/16 07:31	10/29/16 09:08	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene	*2.3*	*T J N*	*ug/L*		*3.27*	*108-88-3*	*10/27/16 07:31*	*10/29/16 09:08*	*1*
Unknown	*45*	*T J*	*ug/L*		*4.17*		*10/27/16 07:31*	*10/29/16 09:08*	*1*
p-Xylene	*14*	*T J N*	*ug/L*		*4.50*	*106-42-3*	*10/27/16 07:31*	*10/29/16 09:08*	*1*
Unknown	*1.8*	*T J*	*ug/L*		*5.98*		*10/27/16 07:31*	*10/29/16 09:08*	*1*
Cyclopentasiloxane, decamethyl-	*2.0*	*T J N*	*ug/L*		*6.42*	*541-02-6*	*10/27/16 07:31*	*10/29/16 09:08*	*1*
Unknown	*2.9*	*T J*	*ug/L*		*6.97*		*10/27/16 07:31*	*10/29/16 09:08*	*1*
Unknown	*2.5*	*T J*	*ug/L*		*7.82*		*10/27/16 07:31*	*10/29/16 09:08*	*1*
Benzene, 1,3,5-tribromo-2-methoxy-	*2.4*	*T J N*	*ug/L*		*9.54*	*607-99-8*	*10/27/16 07:31*	*10/29/16 09:08*	*1*
Unknown	*5.6*	*T J*	*ug/L*		*11.33*		*10/27/16 07:31*	*10/29/16 09:08*	*1*
Unknown	*2.6*	*T J*	*ug/L*		*11.84*		*10/27/16 07:31*	*10/29/16 09:08*	*1*
Unknown	*3.5*	*T J*	*ug/L*		*12.85*		*10/27/16 07:31*	*10/29/16 09:08*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*61*		*52 - 132*	*10/27/16 07:31*	*10/29/16 09:08*	*1*
2-Fluorobiphenyl	*90*		*48 - 120*	*10/27/16 07:31*	*10/29/16 09:08*	*1*
2-Fluorophenol (Surr)	*66*		*20 - 120*	*10/27/16 07:31*	*10/29/16 09:08*	*1*
Nitrobenzene-d5 (Surr)	*81*		*46 - 120*	*10/27/16 07:31*	*10/29/16 09:08*	*1*
Phenol-d5 (Surr)	*48*		*16 - 120*	*10/27/16 07:31*	*10/29/16 09:08*	*1*
p-Terphenyl-d14 (Surr)	*91*		*67 - 150*	*10/27/16 07:31*	*10/29/16 09:08*	*1*

Client Sample ID: WG-007830-102416-BP-022
Date Collected: 10/24/16 11:00
Date Received: 10/25/16 09:30

Lab Sample ID: 480-108357-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.0	U	5.0	0.82	ug/L			10/27/16 01:19	1
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.21	ug/L			10/27/16 01:19	1
1,1,2-Trichloroethane	5.0	U	5.0	0.23	ug/L			10/27/16 01:19	1
1,1-Dichloroethane	5.0	U	5.0	0.38	ug/L			10/27/16 01:19	1
1,1-Dichloroethene	5.0	U	5.0	0.29	ug/L			10/27/16 01:19	1
1,2-Dichloroethane	5.0	U	5.0	0.21	ug/L			10/27/16 01:19	1
1,2-Dichloropropane	5.0	U	5.0	0.72	ug/L			10/27/16 01:19	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			10/27/16 01:19	1
2-Hexanone	10	U	10	1.2	ug/L			10/27/16 01:19	1
2-Methylthiophene	10	U	10	0.44	ug/L			10/27/16 01:19	1
4-Methyl-2-pentanone (MIBK)	10	U	10	2.1	ug/L			10/27/16 01:19	1
Acetone	**5.2**	**J**	10	3.0	ug/L			10/27/16 01:19	1
Benzene	1.0	U	1.0	0.41	ug/L			10/27/16 01:19	1
Bromoform	5.0	U	5.0	0.26	ug/L			10/27/16 01:19	1
Bromomethane	10	U	10	0.69	ug/L			10/27/16 01:19	1
Carbon disulfide	5.0	U	5.0	0.19	ug/L			10/27/16 01:19	1
Carbon tetrachloride	5.0	U	5.0	0.27	ug/L			10/27/16 01:19	1
Chlorobenzene	5.0	U	5.0	0.75	ug/L			10/27/16 01:19	1
Dibromochloromethane	5.0	U	5.0	0.32	ug/L			10/27/16 01:19	1
Chloroethane	10	U	10	0.32	ug/L			10/27/16 01:19	1
Chloroform	5.0	U	5.0	0.34	ug/L			10/27/16 01:19	1
Chloromethane	10	U	10	0.35	ug/L			10/27/16 01:19	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.81	ug/L			10/27/16 01:19	1
Bromodichloromethane	5.0	U	5.0	0.39	ug/L			10/27/16 01:19	1
Ethyl ether	**94**		10	0.72	ug/L			10/27/16 01:19	1
Ethylbenzene	5.0	U	5.0	0.74	ug/L			10/27/16 01:19	1
Methylene Chloride	5.0	U	5.0	0.44	ug/L			10/27/16 01:19	1
m&p-Xylene	5.0	U	5.0	0.66	ug/L			10/27/16 01:19	1
o-Xylene	5.0	U	5.0	0.76	ug/L			10/27/16 01:19	1
Tetrachloroethene	5.0	U	5.0	0.36	ug/L			10/27/16 01:19	1
Toluene	5.0	U	5.0	0.51	ug/L			10/27/16 01:19	1
trans-1,2-Dichloroethene	5.0	U	5.0	0.90	ug/L			10/27/16 01:19	1
trans-1,3-Dichloropropene	5.0	U	5.0	0.37	ug/L			10/27/16 01:19	1
Trichloroethene	5.0	U	5.0	0.46	ug/L			10/27/16 01:19	1
Vinyl chloride	10	U	10	0.90	ug/L			10/27/16 01:19	1
cis-1,3-Dichloropropene	5.0	U	5.0	0.36	ug/L			10/27/16 01:19	1
Styrene	5.0	U	5.0	0.73	ug/L			10/27/16 01:19	1
3-Methylthiophene	10	U	10	0.53	ug/L			10/27/16 01:19	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*10/27/16 01:19*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*10/27/16 01:19*	*1*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*		*10/27/16 01:19*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*10/27/16 01:19*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*10/27/16 01:19*	*1*

Client: GHD Services Inc.
Project/Site: Sterling Site 3

TestAmerica Job ID: 480-108357-1

Client Sample ID: WG-007830-102416-BP-022
Date Collected: 10/24/16 11:00
Date Received: 10/25/16 09:30

Lab Sample ID: 480-108357-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	98	U	98	4.3	ug/L		10/27/16 07:31	10/29/16 09:38	10
1,2-Dichlorobenzene	98	U	98	3.9	ug/L		10/27/16 07:31	10/29/16 09:38	10
1,3-Dichlorobenzene	98	U	98	4.7	ug/L		10/27/16 07:31	10/29/16 09:38	10
1,4-Dichlorobenzene	98	U	98	4.5	ug/L		10/27/16 07:31	10/29/16 09:38	10
2,4,5-Trichlorophenol	49	U	49	4.7	ug/L		10/27/16 07:31	10/29/16 09:38	10
2,4,6-Trichlorophenol	49	U	49	6.0	ug/L		10/27/16 07:31	10/29/16 09:38	10
2,4-Dichlorophenol	49	U	49	5.0	ug/L		10/27/16 07:31	10/29/16 09:38	10
2,4-Dimethylphenol	49	U	49	4.9	ug/L		10/27/16 07:31	10/29/16 09:38	10
2,4-Dinitrophenol	98	U	98	22	ug/L		10/27/16 07:31	10/29/16 09:38	10
2,4-Dinitrotoluene	49	U	49	4.4	ug/L		10/27/16 07:31	10/29/16 09:38	10
2,6-Dinitrotoluene	49	U	49	3.9	ug/L		10/27/16 07:31	10/29/16 09:38	10
2-Chloronaphthalene	49	U	49	4.5	ug/L		10/27/16 07:31	10/29/16 09:38	10
2-Chlorophenol	49	U	49	5.2	ug/L		10/27/16 07:31	10/29/16 09:38	10
2-Methylnaphthalene	49	U	49	5.9	ug/L		10/27/16 07:31	10/29/16 09:38	10
2-Methylphenol	49	U	49	3.9	ug/L		10/27/16 07:31	10/29/16 09:38	10
2-Nitroaniline	98	U	98	4.1	ug/L		10/27/16 07:31	10/29/16 09:38	10
2-Nitrophenol	49	U	49	4.7	ug/L		10/27/16 07:31	10/29/16 09:38	10
3,3'-Dichlorobenzidine	49	U	49	3.9	ug/L		10/27/16 07:31	10/29/16 09:38	10
3-Nitroaniline	98	U	98	4.7	ug/L		10/27/16 07:31	10/29/16 09:38	10
4,6-Dinitro-2-methylphenol	98	U	98	22	ug/L		10/27/16 07:31	10/29/16 09:38	10
4-Bromophenyl phenyl ether	49	U	49	4.4	ug/L		10/27/16 07:31	10/29/16 09:38	10
4-Chloro-3-methylphenol	49	U	49	4.4	ug/L		10/27/16 07:31	10/29/16 09:38	10
4-Chloroaniline	49	U	49	5.8	ug/L		10/27/16 07:31	10/29/16 09:38	10
4-Chlorophenyl phenyl ether	49	U	49	3.4	ug/L		10/27/16 07:31	10/29/16 09:38	10
4-Methylphenol	98	U	98	3.5	ug/L		10/27/16 07:31	10/29/16 09:38	10
4-Nitroaniline	98	U	98	2.5	ug/L		10/27/16 07:31	10/29/16 09:38	10
4-Nitrophenol	98	U	98	15	ug/L		10/27/16 07:31	10/29/16 09:38	10
Acenaphthene	49	U	49	4.0	ug/L		10/27/16 07:31	10/29/16 09:38	10
Acenaphthylene	49	U	49	3.7	ug/L		10/27/16 07:31	10/29/16 09:38	10
Anthracene	49	U	49	2.7	ug/L		10/27/16 07:31	10/29/16 09:38	10
Benzaldehyde	49	U	49	2.6	ug/L		10/27/16 07:31	10/29/16 09:38	10
Benzo[a]anthracene	49	U	49	3.5	ug/L		10/27/16 07:31	10/29/16 09:38	10
Benzo[a]pyrene	49	U	49	4.6	ug/L		10/27/16 07:31	10/29/16 09:38	10
Benzo[b]fluoranthene	49	U	49	3.3	ug/L		10/27/16 07:31	10/29/16 09:38	10
Benzo[g,h,i]perylene	49	U	49	3.4	ug/L		10/27/16 07:31	10/29/16 09:38	10
Benzo[k]fluoranthene	49	U	49	7.2	ug/L		10/27/16 07:31	10/29/16 09:38	10
bis (2-chloroisopropyl) ether	49	U	49	5.1	ug/L		10/27/16 07:31	10/29/16 09:38	10
Bis(2-chloroethoxy)methane	49	U	49	3.4	ug/L		10/27/16 07:31	10/29/16 09:38	10
Bis(2-chloroethyl)ether	49	U	49	3.9	ug/L		10/27/16 07:31	10/29/16 09:38	10
Bis(2-ethylhexyl) phthalate	49	U	49	22	ug/L		10/27/16 07:31	10/29/16 09:38	10
Butyl benzyl phthalate	49	U	49	9.8	ug/L		10/27/16 07:31	10/29/16 09:38	10
Carbazole	49	U	49	2.9	ug/L		10/27/16 07:31	10/29/16 09:38	10
Chrysene	49	U	49	3.2	ug/L		10/27/16 07:31	10/29/16 09:38	10
Dibenz(a,h)anthracene	49	U	49	4.1	ug/L		10/27/16 07:31	10/29/16 09:38	10
Dibenzofuran	98	U	98	5.0	ug/L		10/27/16 07:31	10/29/16 09:38	10
Diethyl phthalate	49	U	49	2.2	ug/L		10/27/16 07:31	10/29/16 09:38	10
Dimethyl phthalate	49	U	49	3.5	ug/L		10/27/16 07:31	10/29/16 09:38	10
Di-n-butyl phthalate	49	U	49	3.0	ug/L		10/27/16 07:31	10/29/16 09:38	10
Di-n-octyl phthalate	49	U	49	4.6	ug/L		10/27/16 07:31	10/29/16 09:38	10

Client Sample ID: WG-007830-102416-BP-022
Date Collected: 10/24/16 11:00
Date Received: 10/25/16 09:30

Lab Sample ID: 480-108357-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	49	U	49	3.9	ug/L		10/27/16 07:31	10/29/16 09:38	10
Fluorene	49	U	49	3.5	ug/L		10/27/16 07:31	10/29/16 09:38	10
Hexachlorobenzene	49	U	49	5.0	ug/L		10/27/16 07:31	10/29/16 09:38	10
Hexachlorobutadiene	49	U	49	6.7	ug/L		10/27/16 07:31	10/29/16 09:38	10
Hexachlorocyclopentadiene	49	U	49	5.8	ug/L		10/27/16 07:31	10/29/16 09:38	10
Hexachloroethane	49	U	49	5.8	ug/L		10/27/16 07:31	10/29/16 09:38	10
Indeno[1,2,3-cd]pyrene	49	U	49	4.6	ug/L		10/27/16 07:31	10/29/16 09:38	10
Isophorone	49	U	49	4.2	ug/L		10/27/16 07:31	10/29/16 09:38	10
Naphthalene	49	U	49	7.4	ug/L		10/27/16 07:31	10/29/16 09:38	10
Nitrobenzene	49	U	49	2.8	ug/L		10/27/16 07:31	10/29/16 09:38	10
N-Nitrosodi-n-propylamine	49	U	49	5.3	ug/L		10/27/16 07:31	10/29/16 09:38	10
N-Nitrosodiphenylamine	49	U	49	5.0	ug/L		10/27/16 07:31	10/29/16 09:38	10
Pentachlorophenol	98	U	98	22	ug/L		10/27/16 07:31	10/29/16 09:38	10
Phenanthrene	49	U	49	4.3	ug/L		10/27/16 07:31	10/29/16 09:38	10
Phenol	49	U	49	3.8	ug/L		10/27/16 07:31	10/29/16 09:38	10
Pyrene	49	U	49	3.3	ug/L		10/27/16 07:31	10/29/16 09:38	10

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Chloroiodomethane	*90*	*T J N*	*ug/L*		*2.62*	*593-71-5*	*10/27/16 07:31*	*10/29/16 09:38*	*10*
Unknown	*24*	*T J*	*ug/L*		*4.13*		*10/27/16 07:31*	*10/29/16 09:38*	*10*
Unknown	*57*	*T J*	*ug/L*		*8.55*		*10/27/16 07:31*	*10/29/16 09:38*	*10*
Talbutal	*23*	*T J N*	*ug/L*		*9.19*	*115-44-6*	*10/27/16 07:31*	*10/29/16 09:38*	*10*
Mephobarbital	*34*	*T J N*	*ug/L*		*9.89*	*115-38-8*	*10/27/16 07:31*	*10/29/16 09:38*	*10*
Phenobarbital	*46*	*T J N*	*ug/L*		*10.13*	*50-06-6*	*10/27/16 07:31*	*10/29/16 09:38*	*10*
Unknown	*20*	*T J*	*ug/L*		*10.16*		*10/27/16 07:31*	*10/29/16 09:38*	*10*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*75*		*52 - 132*	*10/27/16 07:31*	*10/29/16 09:38*	*10*
2-Fluorobiphenyl	*81*		*48 - 120*	*10/27/16 07:31*	*10/29/16 09:38*	*10*
2-Fluorophenol (Surr)	*58*		*20 - 120*	*10/27/16 07:31*	*10/29/16 09:38*	*10*
Nitrobenzene-d5 (Surr)	*72*		*46 - 120*	*10/27/16 07:31*	*10/29/16 09:38*	*10*
Phenol-d5 (Surr)	*46*		*16 - 120*	*10/27/16 07:31*	*10/29/16 09:38*	*10*
p-Terphenyl-d14 (Surr)	*74*		*67 - 150*	*10/27/16 07:31*	*10/29/16 09:38*	*10*

Surrogate Summary

Client: GHD Services Inc.
Project/Site: Sterling Site 3

TestAmerica Job ID: 480-108357-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(75-123)	(80-120)
480-108357-1	WG-007830-102416-BP-021	108	95	109	100
480-108357-2	WG-007830-102416-BP-022	101	93	99	99
LCS 480-327645/5	Lab Control Sample	101	96	100	96
LCS 480-327904/5	Lab Control Sample	99	91	98	97
LCSD 480-327904/6	Lab Control Sample Dup	100	93	101	94
MB 480-327645/7	Method Blank	98	92	101	99
MB 480-327904/8	Method Blank	99	96	103	98

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPH
Lab Sample ID	Client Sample ID	(52-132)	(48-120)	(20-120)	(46-120)	(16-120)	(67-150)
480-108357-1	WG-007830-102416-BP-021	61	90	66	81	48	91
480-108357-2	WG-007830-102416-BP-022	75	81	58	72	46	74
LCS 480-327985/2-A	Lab Control Sample	81	95	76	85	59	106
MB 480-327985/1-A	Method Blank	64	81	69	76	53	99

Surrogate Legend

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

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

Lab Sample ID: MB 480-327645/7
Matrix: Water
Analysis Batch: 327645

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.0	U	5.0	0.82	ug/L			10/25/16 21:57	1
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.21	ug/L			10/25/16 21:57	1
1,1,2-Trichloroethane	5.0	U	5.0	0.23	ug/L			10/25/16 21:57	1
1,1-Dichloroethane	5.0	U	5.0	0.38	ug/L			10/25/16 21:57	1
1,1-Dichloroethene	5.0	U	5.0	0.29	ug/L			10/25/16 21:57	1
1,2-Dichloroethane	5.0	U	5.0	0.21	ug/L			10/25/16 21:57	1
1,2-Dichloropropane	5.0	U	5.0	0.72	ug/L			10/25/16 21:57	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			10/25/16 21:57	1
2-Hexanone	10	U	10	1.2	ug/L			10/25/16 21:57	1
2-Methylthiophene	10	U	10	0.44	ug/L			10/25/16 21:57	1
4-Methyl-2-pentanone (MIBK)	10	U	10	2.1	ug/L			10/25/16 21:57	1
Acetone	10	U	10	3.0	ug/L			10/25/16 21:57	1
Benzene	1.0	U	1.0	0.41	ug/L			10/25/16 21:57	1
Bromoform	5.0	U	5.0	0.26	ug/L			10/25/16 21:57	1
Bromomethane	10	U	10	0.69	ug/L			10/25/16 21:57	1
Carbon disulfide	5.0	U	5.0	0.19	ug/L			10/25/16 21:57	1
Carbon tetrachloride	5.0	U	5.0	0.27	ug/L			10/25/16 21:57	1
Chlorobenzene	5.0	U	5.0	0.75	ug/L			10/25/16 21:57	1
Dibromochloromethane	5.0	U	5.0	0.32	ug/L			10/25/16 21:57	1
Chloroethane	10	U	10	0.32	ug/L			10/25/16 21:57	1
Chloroform	5.0	U	5.0	0.34	ug/L			10/25/16 21:57	1
Chloromethane	10	U	10	0.35	ug/L			10/25/16 21:57	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.81	ug/L			10/25/16 21:57	1
Bromodichloromethane	5.0	U	5.0	0.39	ug/L			10/25/16 21:57	1
Ethyl ether	10	U	10	0.72	ug/L			10/25/16 21:57	1
Ethylbenzene	5.0	U	5.0	0.74	ug/L			10/25/16 21:57	1
Methylene Chloride	5.0	U	5.0	0.44	ug/L			10/25/16 21:57	1
m&p-Xylene	5.0	U	5.0	0.66	ug/L			10/25/16 21:57	1
o-Xylene	5.0	U	5.0	0.76	ug/L			10/25/16 21:57	1
Tetrachloroethene	5.0	U	5.0	0.36	ug/L			10/25/16 21:57	1
Toluene	5.0	U	5.0	0.51	ug/L			10/25/16 21:57	1
trans-1,2-Dichloroethene	5.0	U	5.0	0.90	ug/L			10/25/16 21:57	1
trans-1,3-Dichloropropene	5.0	U	5.0	0.37	ug/L			10/25/16 21:57	1
Trichloroethene	5.0	U	5.0	0.46	ug/L			10/25/16 21:57	1
Vinyl chloride	10	U	10	0.90	ug/L			10/25/16 21:57	1
cis-1,3-Dichloropropene	5.0	U	5.0	0.36	ug/L			10/25/16 21:57	1
Styrene	5.0	U	5.0	0.73	ug/L			10/25/16 21:57	1
3-Methylthiophene	10	U	10	0.53	ug/L			10/25/16 21:57	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*10/25/16 21:57*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*10/25/16 21:57*	*1*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*		*10/25/16 21:57*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*10/25/16 21:57*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*10/25/16 21:57*	*1*

Lab Sample ID: LCS 480-327645/5
Matrix: Water
Analysis Batch: 327645

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	24.6		ug/L		98	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.6		ug/L		98	76 - 120
1,1,2-Trichloroethane	25.0	23.3		ug/L		93	76 - 122
1,1-Dichloroethane	25.0	24.6		ug/L		99	77 - 120
1,1-Dichloroethene	25.0	25.3		ug/L		101	66 - 127
1,2-Dichloroethane	25.0	23.1		ug/L		92	75 - 120
1,2-Dichloropropane	25.0	24.8		ug/L		99	76 - 120
2-Butanone (MEK)	125	126		ug/L		101	57 - 140
2-Hexanone	125	126		ug/L		100	65 - 127
4-Methyl-2-pentanone (MIBK)	125	121		ug/L		96	71 - 125
Acetone	125	146		ug/L		117	56 - 142
Benzene	25.0	25.9		ug/L		103	71 - 124
Bromoform	25.0	19.4		ug/L		78	61 - 132
Bromomethane	25.0	23.7		ug/L		95	55 - 144
Carbon disulfide	25.0	24.9		ug/L		99	59 - 134
Carbon tetrachloride	25.0	23.7		ug/L		95	72 - 134
Chlorobenzene	25.0	24.0		ug/L		96	80 - 120
Dibromochloromethane	25.0	22.3		ug/L		89	75 - 125
Chloroethane	25.0	23.2		ug/L		93	69 - 136
Chloroform	25.0	24.2		ug/L		97	73 - 127
Chloromethane	25.0	21.0		ug/L		84	68 - 124
cis-1,2-Dichloroethene	25.0	25.8		ug/L		103	74 - 124
Bromodichloromethane	25.0	23.3		ug/L		93	80 - 122
Ethyl ether	25.0	24.7		ug/L		99	76 - 123
Ethylbenzene	25.0	24.4		ug/L		98	77 - 123
Methylene Chloride	25.0	25.1		ug/L		101	75 - 124
m&p-Xylene	25.0	25.5		ug/L		102	76 - 122
o-Xylene	25.0	24.6		ug/L		98	76 - 122
Tetrachloroethene	25.0	25.1		ug/L		100	74 - 122
Toluene	25.0	24.9		ug/L		100	80 - 122
trans-1,2-Dichloroethene	25.0	25.5		ug/L		102	73 - 127
trans-1,3-Dichloropropene	25.0	22.2		ug/L		89	80 - 120
Trichloroethene	25.0	24.6		ug/L		98	74 - 123
Vinyl chloride	25.0	22.3		ug/L		89	65 - 133
cis-1,3-Dichloropropene	25.0	23.5		ug/L		94	74 - 124
Styrene	25.0	24.8		ug/L		99	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*
Dibromofluoromethane (Surr)	*100*		*75 - 123*
Toluene-d8 (Surr)	*96*		*80 - 120*

Lab Sample ID: MB 480-327904/8
Matrix: Water
Analysis Batch: 327904

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.0	U	5.0	0.82	ug/L			10/26/16 23:31	1
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.21	ug/L			10/26/16 23:31	1

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

Lab Sample ID: MB 480-327904/8
Matrix: Water
Analysis Batch: 327904

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	5.0	U	5.0	0.23	ug/L			10/26/16 23:31	1
1,1-Dichloroethane	5.0	U	5.0	0.38	ug/L			10/26/16 23:31	1
1,1-Dichloroethene	5.0	U	5.0	0.29	ug/L			10/26/16 23:31	1
1,2-Dichloroethane	5.0	U	5.0	0.21	ug/L			10/26/16 23:31	1
1,2-Dichloropropane	5.0	U	5.0	0.72	ug/L			10/26/16 23:31	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			10/26/16 23:31	1
2-Hexanone	10	U	10	1.2	ug/L			10/26/16 23:31	1
2-Methylthiophene	10	U	10	0.44	ug/L			10/26/16 23:31	1
4-Methyl-2-pentanone (MIBK)	10	U	10	2.1	ug/L			10/26/16 23:31	1
Acetone	10	U	10	3.0	ug/L			10/26/16 23:31	1
Benzene	1.0	U	1.0	0.41	ug/L			10/26/16 23:31	1
Bromoform	5.0	U	5.0	0.26	ug/L			10/26/16 23:31	1
Bromomethane	10	U	10	0.69	ug/L			10/26/16 23:31	1
Carbon disulfide	5.0	U	5.0	0.19	ug/L			10/26/16 23:31	1
Carbon tetrachloride	5.0	U	5.0	0.27	ug/L			10/26/16 23:31	1
Chlorobenzene	5.0	U	5.0	0.75	ug/L			10/26/16 23:31	1
Dibromochloromethane	5.0	U	5.0	0.32	ug/L			10/26/16 23:31	1
Chloroethane	10	U	10	0.32	ug/L			10/26/16 23:31	1
Chloroform	5.0	U	5.0	0.34	ug/L			10/26/16 23:31	1
Chloromethane	10	U	10	0.35	ug/L			10/26/16 23:31	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.81	ug/L			10/26/16 23:31	1
Bromodichloromethane	5.0	U	5.0	0.39	ug/L			10/26/16 23:31	1
Ethyl ether	10	U	10	0.72	ug/L			10/26/16 23:31	1
Ethylbenzene	5.0	U	5.0	0.74	ug/L			10/26/16 23:31	1
Methylene Chloride	5.0	U	5.0	0.44	ug/L			10/26/16 23:31	1
m&p-Xylene	5.0	U	5.0	0.66	ug/L			10/26/16 23:31	1
o-Xylene	5.0	U	5.0	0.76	ug/L			10/26/16 23:31	1
Tetrachloroethene	5.0	U	5.0	0.36	ug/L			10/26/16 23:31	1
Toluene	5.0	U	5.0	0.51	ug/L			10/26/16 23:31	1
trans-1,2-Dichloroethene	5.0	U	5.0	0.90	ug/L			10/26/16 23:31	1
trans-1,3-Dichloropropene	5.0	U	5.0	0.37	ug/L			10/26/16 23:31	1
Trichloroethene	5.0	U	5.0	0.46	ug/L			10/26/16 23:31	1
Vinyl chloride	10	U	10	0.90	ug/L			10/26/16 23:31	1
cis-1,3-Dichloropropene	5.0	U	5.0	0.36	ug/L			10/26/16 23:31	1
Styrene	5.0	U	5.0	0.73	ug/L			10/26/16 23:31	1
3-Methylthiophene	10	U	10	0.53	ug/L			10/26/16 23:31	1

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	*None*		*ug/L*					*10/26/16 23:31*	*1*

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*10/26/16 23:31*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*10/26/16 23:31*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*10/26/16 23:31*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*10/26/16 23:31*	*1*

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

Lab Sample ID: LCS 480-327904/5
Matrix: Water
Analysis Batch: 327904

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	23.9		ug/L		96	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.9		ug/L		95	76 - 120
1,1,2-Trichloroethane	25.0	23.0		ug/L		92	76 - 122
1,1-Dichloroethane	25.0	24.6		ug/L		99	77 - 120
1,1-Dichloroethene	25.0	23.7		ug/L		95	66 - 127
1,2-Dichloroethane	25.0	23.5		ug/L		94	75 - 120
1,2-Dichloropropane	25.0	24.0		ug/L		96	76 - 120
2-Butanone (MEK)	125	133		ug/L		106	57 - 140
2-Hexanone	125	121		ug/L		97	65 - 127
4-Methyl-2-pentanone (MIBK)	125	119		ug/L		95	71 - 125
Acetone	125	145		ug/L		116	56 - 142
Benzene	25.0	24.5		ug/L		98	71 - 124
Bromoform	25.0	19.3		ug/L		77	61 - 132
Bromomethane	25.0	21.9		ug/L		88	55 - 144
Carbon disulfide	25.0	22.6		ug/L		90	59 - 134
Carbon tetrachloride	25.0	23.9		ug/L		96	72 - 134
Chlorobenzene	25.0	23.9		ug/L		96	80 - 120
Dibromochloromethane	25.0	22.2		ug/L		89	75 - 125
Chloroethane	25.0	22.9		ug/L		92	69 - 136
Chloroform	25.0	23.3		ug/L		93	73 - 127
Chloromethane	25.0	19.3		ug/L		77	68 - 124
cis-1,2-Dichloroethene	25.0	24.2		ug/L		97	74 - 124
Bromodichloromethane	25.0	22.6		ug/L		90	80 - 122
Ethyl ether	25.0	23.5		ug/L		94	76 - 123
Ethylbenzene	25.0	24.3		ug/L		97	77 - 123
Methylene Chloride	25.0	23.9		ug/L		96	75 - 124
m&p-Xylene	25.0	25.0		ug/L		100	76 - 122
o-Xylene	25.0	24.9		ug/L		99	76 - 122
Tetrachloroethene	25.0	24.5		ug/L		98	74 - 122
Toluene	25.0	24.4		ug/L		98	80 - 122
trans-1,2-Dichloroethene	25.0	23.5		ug/L		94	73 - 127
trans-1,3-Dichloropropene	25.0	22.3		ug/L		89	80 - 120
Trichloroethene	25.0	23.7		ug/L		95	74 - 123
Vinyl chloride	25.0	20.1		ug/L		80	65 - 133
cis-1,3-Dichloropropene	25.0	23.7		ug/L		95	74 - 124
Styrene	25.0	23.9		ug/L		96	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*
4-Bromofluorobenzene (Surr)	*91*		*73 - 120*
Dibromofluoromethane (Surr)	*98*		*75 - 123*
Toluene-d8 (Surr)	*97*		*80 - 120*

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

Lab Sample ID: LCSD 480-327904/6
Matrix: Water
Analysis Batch: 327904

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane			25.0	25.2		ug/L		101	73 - 126	5	15
1,1,2,2-Tetrachloroethane			25.0	25.0		ug/L		100	76 - 120	5	15
1,1,2-Trichloroethane			25.0	24.2		ug/L		97	76 - 122	5	15
1,1-Dichloroethane			25.0	25.7		ug/L		103	77 - 120	4	20
1,1-Dichloroethene			25.0	25.4		ug/L		101	66 - 127	7	16
1,2-Dichloroethane			25.0	23.8		ug/L		95	75 - 120	1	20
1,2-Dichloropropane			25.0	25.9		ug/L		104	76 - 120	8	20
2-Butanone (MEK)			125	131		ug/L		104	57 - 140	1	20
2-Hexanone			125	124		ug/L		100	65 - 127	3	15
4-Methyl-2-pentanone (MIBK)			125	120		ug/L		96	71 - 125	1	35
Acetone			125	140		ug/L		112	56 - 142	3	15
Benzene			25.0	25.6		ug/L		102	71 - 124	4	13
Bromoform			25.0	19.8		ug/L		79	61 - 132	3	15
Bromomethane			25.0	23.6		ug/L		95	55 - 144	8	15
Carbon disulfide			25.0	24.4		ug/L		97	59 - 134	7	15
Carbon tetrachloride			25.0	25.2		ug/L		101	72 - 134	5	15
Chlorobenzene			25.0	24.4		ug/L		98	80 - 120	2	25
Dibromochloromethane			25.0	22.9		ug/L		91	75 - 125	3	15
Chloroethane			25.0	23.3		ug/L		93	69 - 136	2	15
Chloroform			25.0	24.8		ug/L		99	73 - 127	6	20
Chloromethane			25.0	20.3		ug/L		81	68 - 124	5	15
cis-1,2-Dichloroethene			25.0	25.5		ug/L		102	74 - 124	5	15
Bromodichloromethane			25.0	23.6		ug/L		94	80 - 122	4	15
Ethyl ether			25.0	24.4		ug/L		98	76 - 123	4	15
Ethylbenzene			25.0	24.8		ug/L		99	77 - 123	2	15
Methylene Chloride			25.0	24.4		ug/L		97	75 - 124	2	15
m&p-Xylene			25.0	26.1		ug/L		104	76 - 122	4	16
o-Xylene			25.0	25.0		ug/L		100	76 - 122	0	16
Tetrachloroethene			25.0	26.5		ug/L		106	74 - 122	8	20
Toluene			25.0	25.2		ug/L		101	80 - 122	3	15
trans-1,2-Dichloroethene			25.0	25.4		ug/L		102	73 - 127	8	20
trans-1,3-Dichloropropene			25.0	22.6		ug/L		91	80 - 120	2	15
Trichloroethene			25.0	24.7		ug/L		99	74 - 123	4	16
Vinyl chloride			25.0	21.7		ug/L		87	65 - 133	8	15
cis-1,3-Dichloropropene			25.0	23.5		ug/L		94	74 - 124	1	15
Styrene			25.0	25.2		ug/L		101	80 - 120	5	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*
Dibromofluoromethane (Surr)	*101*		*75 - 123*
Toluene-d8 (Surr)	*94*		*80 - 120*

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

Lab Sample ID: MB 480-327985/1-A
Matrix: Water
Analysis Batch: 328385

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 327985

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	10	U	10	0.44	ug/L		10/27/16 07:31	10/29/16 02:01	1
1,2-Dichlorobenzene	10	U	10	0.40	ug/L		10/27/16 07:31	10/29/16 02:01	1
1,3-Dichlorobenzene	10	U	10	0.48	ug/L		10/27/16 07:31	10/29/16 02:01	1
1,4-Dichlorobenzene	10	U	10	0.46	ug/L		10/27/16 07:31	10/29/16 02:01	1
2,4,5-Trichlorophenol	5.0	U	5.0	0.48	ug/L		10/27/16 07:31	10/29/16 02:01	1
2,4,6-Trichlorophenol	5.0	U	5.0	0.61	ug/L		10/27/16 07:31	10/29/16 02:01	1
2,4-Dichlorophenol	5.0	U	5.0	0.51	ug/L		10/27/16 07:31	10/29/16 02:01	1
2,4-Dimethylphenol	5.0	U	5.0	0.50	ug/L		10/27/16 07:31	10/29/16 02:01	1
2,4-Dinitrophenol	10	U	10	2.2	ug/L		10/27/16 07:31	10/29/16 02:01	1
2,4-Dinitrotoluene	5.0	U	5.0	0.45	ug/L		10/27/16 07:31	10/29/16 02:01	1
2,6-Dinitrotoluene	5.0	U	5.0	0.40	ug/L		10/27/16 07:31	10/29/16 02:01	1
2-Chloronaphthalene	5.0	U	5.0	0.46	ug/L		10/27/16 07:31	10/29/16 02:01	1
2-Chlorophenol	5.0	U	5.0	0.53	ug/L		10/27/16 07:31	10/29/16 02:01	1
2-Methylnaphthalene	5.0	U	5.0	0.60	ug/L		10/27/16 07:31	10/29/16 02:01	1
2-Methylphenol	5.0	U	5.0	0.40	ug/L		10/27/16 07:31	10/29/16 02:01	1
2-Nitroaniline	10	U	10	0.42	ug/L		10/27/16 07:31	10/29/16 02:01	1
2-Nitrophenol	5.0	U	5.0	0.48	ug/L		10/27/16 07:31	10/29/16 02:01	1
3,3'-Dichlorobenzidine	5.0	U	5.0	0.40	ug/L		10/27/16 07:31	10/29/16 02:01	1
3-Nitroaniline	10	U	10	0.48	ug/L		10/27/16 07:31	10/29/16 02:01	1
4,6-Dinitro-2-methylphenol	10	U	10	2.2	ug/L		10/27/16 07:31	10/29/16 02:01	1
4-Bromophenyl phenyl ether	5.0	U	5.0	0.45	ug/L		10/27/16 07:31	10/29/16 02:01	1
4-Chloro-3-methylphenol	5.0	U	5.0	0.45	ug/L		10/27/16 07:31	10/29/16 02:01	1
4-Chloroaniline	5.0	U	5.0	0.59	ug/L		10/27/16 07:31	10/29/16 02:01	1
4-Chlorophenyl phenyl ether	5.0	U	5.0	0.35	ug/L		10/27/16 07:31	10/29/16 02:01	1
4-Methylphenol	10	U	10	0.36	ug/L		10/27/16 07:31	10/29/16 02:01	1
4-Nitroaniline	10	U	10	0.25	ug/L		10/27/16 07:31	10/29/16 02:01	1
4-Nitrophenol	10	U	10	1.5	ug/L		10/27/16 07:31	10/29/16 02:01	1
Acenaphthene	5.0	U	5.0	0.41	ug/L		10/27/16 07:31	10/29/16 02:01	1
Acenaphthylene	5.0	U	5.0	0.38	ug/L		10/27/16 07:31	10/29/16 02:01	1
Anthracene	5.0	U	5.0	0.28	ug/L		10/27/16 07:31	10/29/16 02:01	1
Benzaldehyde	5.0	U	5.0	0.27	ug/L		10/27/16 07:31	10/29/16 02:01	1
Benzo[a]anthracene	5.0	U	5.0	0.36	ug/L		10/27/16 07:31	10/29/16 02:01	1
Benzo[a]pyrene	5.0	U	5.0	0.47	ug/L		10/27/16 07:31	10/29/16 02:01	1
Benzo[b]fluoranthene	5.0	U	5.0	0.34	ug/L		10/27/16 07:31	10/29/16 02:01	1
Benzo[g,h,i]perylene	5.0	U	5.0	0.35	ug/L		10/27/16 07:31	10/29/16 02:01	1
Benzo[k]fluoranthene	5.0	U	5.0	0.73	ug/L		10/27/16 07:31	10/29/16 02:01	1
bis (2-chloroisopropyl) ether	5.0	U	5.0	0.52	ug/L		10/27/16 07:31	10/29/16 02:01	1
Bis(2-chloroethoxy)methane	5.0	U	5.0	0.35	ug/L		10/27/16 07:31	10/29/16 02:01	1
Bis(2-chloroethyl)ether	5.0	U	5.0	0.40	ug/L		10/27/16 07:31	10/29/16 02:01	1
Bis(2-ethylhexyl) phthalate	2.26	J	5.0	2.2	ug/L		10/27/16 07:31	10/29/16 02:01	1
Butyl benzyl phthalate	5.0	U	5.0	1.0	ug/L		10/27/16 07:31	10/29/16 02:01	1
Carbazole	5.0	U	5.0	0.30	ug/L		10/27/16 07:31	10/29/16 02:01	1
Chrysene	5.0	U	5.0	0.33	ug/L		10/27/16 07:31	10/29/16 02:01	1
Dibenz(a,h)anthracene	5.0	U	5.0	0.42	ug/L		10/27/16 07:31	10/29/16 02:01	1
Dibenzofuran	10	U	10	0.51	ug/L		10/27/16 07:31	10/29/16 02:01	1
Diethyl phthalate	5.0	U	5.0	0.22	ug/L		10/27/16 07:31	10/29/16 02:01	1
Dimethyl phthalate	5.0	U	5.0	0.36	ug/L		10/27/16 07:31	10/29/16 02:01	1
Di-n-butyl phthalate	5.0	U	5.0	0.31	ug/L		10/27/16 07:31	10/29/16 02:01	1

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

Lab Sample ID: MB 480-327985/1-A
Matrix: Water
Analysis Batch: 328385

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 327985

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	5.0	U	5.0	0.47	ug/L		10/27/16 07:31	10/29/16 02:01	1
Fluoranthene	5.0	U	5.0	0.40	ug/L		10/27/16 07:31	10/29/16 02:01	1
Fluorene	5.0	U	5.0	0.36	ug/L		10/27/16 07:31	10/29/16 02:01	1
Hexachlorobenzene	5.0	U	5.0	0.51	ug/L		10/27/16 07:31	10/29/16 02:01	1
Hexachlorobutadiene	5.0	U	5.0	0.68	ug/L		10/27/16 07:31	10/29/16 02:01	1
Hexachlorocyclopentadiene	5.0	U	5.0	0.59	ug/L		10/27/16 07:31	10/29/16 02:01	1
Hexachloroethane	5.0	U	5.0	0.59	ug/L		10/27/16 07:31	10/29/16 02:01	1
Indeno[1,2,3-cd]pyrene	5.0	U	5.0	0.47	ug/L		10/27/16 07:31	10/29/16 02:01	1
Isophorone	5.0	U	5.0	0.43	ug/L		10/27/16 07:31	10/29/16 02:01	1
Naphthalene	5.0	U	5.0	0.76	ug/L		10/27/16 07:31	10/29/16 02:01	1
Nitrobenzene	5.0	U	5.0	0.29	ug/L		10/27/16 07:31	10/29/16 02:01	1
N-Nitrosodi-n-propylamine	5.0	U	5.0	0.54	ug/L		10/27/16 07:31	10/29/16 02:01	1
N-Nitrosodiphenylamine	5.0	U	5.0	0.51	ug/L		10/27/16 07:31	10/29/16 02:01	1
Pentachlorophenol	10	U	10	2.2	ug/L		10/27/16 07:31	10/29/16 02:01	1
Phenanthrene	5.0	U	5.0	0.44	ug/L		10/27/16 07:31	10/29/16 02:01	1
Phenol	5.0	U	5.0	0.39	ug/L		10/27/16 07:31	10/29/16 02:01	1
Pyrene	5.0	U	5.0	0.34	ug/L		10/27/16 07:31	10/29/16 02:01	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Pyridine	*0.605*	*J*	*ug/L*		*2.96*	*110-86-1*	*10/27/16 07:31*	*10/29/16 02:01*	*1*
Toluene	*2.18*	*T J N*	*ug/L*		*3.26*	*108-88-3*	*10/27/16 07:31*	*10/29/16 02:01*	*1*
Tetrachloroethylene	*6.24*	*T J N*	*ug/L*		*3.76*	*127-18-4*	*10/27/16 07:31*	*10/29/16 02:01*	*1*
Unknown	*29.4*	*T J*	*ug/L*		*4.15*		*10/27/16 07:31*	*10/29/16 02:01*	*1*
Benzene, 1,2-dimethyl-	*12.7*	*T J N*	*ug/L*		*4.50*	*95-47-6*	*10/27/16 07:31*	*10/29/16 02:01*	*1*
Cyclopentasiloxane, decamethyl-	*1.86*	*T J N*	*ug/L*		*6.42*	*541-02-6*	*10/27/16 07:31*	*10/29/16 02:01*	*1*
Ethyl citrate	*5.20*	*T J N*	*ug/L*		*8.84*	*77-93-0*	*10/27/16 07:31*	*10/29/16 02:01*	*1*
Unknown	*4.57*	*T J*	*ug/L*		*11.34*		*10/27/16 07:31*	*10/29/16 02:01*	*1*
Unknown	*1.71*	*T J*	*ug/L*		*11.84*		*10/27/16 07:31*	*10/29/16 02:01*	*1*
Unknown	*1.80*	*T J*	*ug/L*		*12.22*		*10/27/16 07:31*	*10/29/16 02:01*	*1*
Unknown	*3.36*	*T J*	*ug/L*		*12.85*		*10/27/16 07:31*	*10/29/16 02:01*	*1*
Unknown	*2.45*	*T J*	*ug/L*		*15.36*		*10/27/16 07:31*	*10/29/16 02:01*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*64*		*52 - 132*	*10/27/16 07:31*	*10/29/16 02:01*	*1*
2-Fluorobiphenyl	*81*		*48 - 120*	*10/27/16 07:31*	*10/29/16 02:01*	*1*
2-Fluorophenol (Surr)	*69*		*20 - 120*	*10/27/16 07:31*	*10/29/16 02:01*	*1*
Nitrobenzene-d5 (Surr)	*76*		*46 - 120*	*10/27/16 07:31*	*10/29/16 02:01*	*1*
Phenol-d5 (Surr)	*53*		*16 - 120*	*10/27/16 07:31*	*10/29/16 02:01*	*1*
p-Terphenyl-d14 (Surr)	*99*		*67 - 150*	*10/27/16 07:31*	*10/29/16 02:01*	*1*

Lab Sample ID: LCS 480-327985/2-A
Matrix: Water
Analysis Batch: 328385

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 327985

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	16.0	15.1		ug/L		94	40 - 120
1,2-Dichlorobenzene	16.0	14.1		ug/L		88	33 - 120

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

Lab Sample ID: LCS 480-327985/2-A
Matrix: Water
Analysis Batch: 328385

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 327985

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3-Dichlorobenzene	16.0	13.8		ug/L		86	28 - 120
1,4-Dichlorobenzene	16.0	13.8		ug/L		86	32 - 120
2,4,5-Trichlorophenol	16.0	17.3		ug/L		108	65 - 126
2,4,6-Trichlorophenol	16.0	17.0		ug/L		107	64 - 120
2,4-Dichlorophenol	16.0	16.2		ug/L		101	64 - 120
2,4-Dimethylphenol	16.0	13.9		ug/L		87	57 - 120
2,4-Dinitrophenol	32.0	35.0		ug/L		109	42 - 153
2,4-Dinitrotoluene	16.0	16.8		ug/L		105	65 - 154
2,6-Dinitrotoluene	16.0	17.6		ug/L		110	74 - 134
2-Chloronaphthalene	16.0	15.4		ug/L		96	41 - 124
2-Chlorophenol	16.0	14.9		ug/L		93	48 - 120
2-Methylnaphthalene	16.0	15.8		ug/L		99	34 - 122
2-Methylphenol	16.0	14.0		ug/L		88	39 - 120
2-Nitroaniline	16.0	15.1		ug/L		94	67 - 136
2-Nitrophenol	16.0	17.3		ug/L		108	59 - 120
3,3'-Dichlorobenzidine	32.0	33.5		ug/L		105	33 - 140
3-Nitroaniline	16.0	14.9		ug/L		93	28 - 130
4,6-Dinitro-2-methylphenol	32.0	34.9		ug/L		109	64 - 159
4-Bromophenyl phenyl ether	16.0	16.2		ug/L		101	71 - 126
4-Chloro-3-methylphenol	16.0	15.4		ug/L		96	64 - 120
4-Chloroaniline	16.0	12.5		ug/L		78	10 - 130
4-Chlorophenyl phenyl ether	16.0	16.3		ug/L		102	71 - 122
4-Methylphenol	16.0	13.8		ug/L		86	39 - 120
4-Nitroaniline	16.0	14.7		ug/L		92	47 - 130
4-Nitrophenol	32.0	24.3		ug/L		76	16 - 120
Acenaphthene	16.0	15.9		ug/L		99	60 - 120
Acenaphthylene	16.0	15.9		ug/L		99	63 - 120
Anthracene	16.0	16.7		ug/L		104	58 - 148
Benzaldehyde	32.0	22.0		ug/L		69	30 - 140
Benzo[a]anthracene	16.0	17.4		ug/L		109	55 - 151
Benzo[a]pyrene	16.0	16.0		ug/L		100	60 - 145
Benzo[b]fluoranthene	16.0	17.1		ug/L		107	54 - 140
Benzo[g,h,i]perylene	16.0	17.0		ug/L		106	66 - 152
Benzo[k]fluoranthene	16.0	16.2		ug/L		101	51 - 153
bis (2-chloroisopropyl) ether	16.0	15.7		ug/L		98	28 - 136
Bis(2-chloroethoxy)methane	16.0	14.7		ug/L		92	50 - 128
Bis(2-chloroethyl)ether	16.0	14.1		ug/L		88	51 - 120
Bis(2-ethylhexyl) phthalate	16.0	17.8		ug/L		111	53 - 158
Butyl benzyl phthalate	16.0	17.6		ug/L		110	58 - 163
Carbazole	16.0	17.5		ug/L		109	59 - 148
Chrysene	16.0	17.2		ug/L		108	69 - 140
Dibenz(a,h)anthracene	16.0	16.4		ug/L		102	57 - 148
Dibenzofuran	16.0	16.4		ug/L		103	49 - 137
Diethyl phthalate	16.0	16.8		ug/L		105	59 - 146
Dimethyl phthalate	16.0	16.7		ug/L		104	59 - 141
Di-n-butyl phthalate	16.0	16.9		ug/L		105	58 - 149
Di-n-octyl phthalate	16.0	16.7		ug/L		105	55 - 167
Fluoranthene	16.0	17.9		ug/L		112	55 - 147

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

Lab Sample ID: LCS 480-327985/2-A
Matrix: Water
Analysis Batch: 328385

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 327985

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluorene	16.0	16.2		ug/L		101	55 - 143
Hexachlorobenzene	16.0	14.2		ug/L		89	14 - 130
Hexachlorobutadiene	16.0	13.3		ug/L		83	14 - 130
Hexachlorocyclopentadiene	16.0	12.2		ug/L		77	13 - 130
Hexachloroethane	16.0	12.7		ug/L		80	14 - 130
Indeno[1,2,3-cd]pyrene	16.0	16.7		ug/L		105	69 - 146
Isophorone	16.0	14.4		ug/L		90	48 - 133
Naphthalene	16.0	15.4		ug/L		96	35 - 130
Nitrobenzene	16.0	14.2		ug/L		88	45 - 123
N-Nitrosodi-n-propylamine	16.0	13.4		ug/L		84	56 - 120
N-Nitrosodiphenylamine	16.0	16.5		ug/L		103	25 - 125
Pentachlorophenol	32.0	26.6		ug/L		83	39 - 136
Phenanthrene	16.0	16.8		ug/L		105	57 - 147
Phenol	16.0	9.92		ug/L		62	17 - 120
Pyrene	16.0	17.8		ug/L		111	58 - 136

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*81*		*52 - 132*
2-Fluorobiphenyl	*95*		*48 - 120*
2-Fluorophenol (Surr)	*76*		*20 - 120*
Nitrobenzene-d5 (Surr)	*85*		*46 - 120*
Phenol-d5 (Surr)	*59*		*16 - 120*
p-Terphenyl-d14 (Surr)	*106*		*67 - 150*

QC Association Summary

Client: GHD Services Inc.
Project/Site: Sterling Site 3

TestAmerica Job ID: 480-108357-1

GC/MS VOA

Analysis Batch: 327645

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-108357-1	WG-007830-102416-BP-021	Total/NA	Water	8260C	
MB 480-327645/7	Method Blank	Total/NA	Water	8260C	
LCS 480-327645/5	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 327904

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-108357-2	WG-007830-102416-BP-022	Total/NA	Water	8260C	
MB 480-327904/8	Method Blank	Total/NA	Water	8260C	
LCS 480-327904/5	Lab Control Sample	Total/NA	Water	8260C	
LCSD 480-327904/6	Lab Control Sample Dup	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 327985

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-108357-1	WG-007830-102416-BP-021	Total/NA	Water	3510C	
480-108357-2	WG-007830-102416-BP-022	Total/NA	Water	3510C	
MB 480-327985/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-327985/2-A	Lab Control Sample	Total/NA	Water	3510C	

Analysis Batch: 328385

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-108357-1	WG-007830-102416-BP-021	Total/NA	Water	8270D	327985
480-108357-2	WG-007830-102416-BP-022	Total/NA	Water	8270D	327985
MB 480-327985/1-A	Method Blank	Total/NA	Water	8270D	327985
LCS 480-327985/2-A	Lab Control Sample	Total/NA	Water	8270D	327985

Lab Chronicle

Client: GHD Services Inc.
Project/Site: Sterling Site 3

TestAmerica Job ID: 480-108357-1

Client Sample ID: WG-007830-102416-BP-021

Lab Sample ID: 480-108357-1

Date Collected: 10/24/16 09:30

Matrix: Water

Date Received: 10/25/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	327645	10/26/16 04:59	GTG	TAL BUF
Total/NA	Prep	3510C			327985	10/27/16 07:31	SMP	TAL BUF
Total/NA	Analysis	8270D		1	328385	10/29/16 09:08	PJQ	TAL BUF

Client Sample ID: WG-007830-102416-BP-022

Lab Sample ID: 480-108357-2

Date Collected: 10/24/16 11:00

Matrix: Water

Date Received: 10/25/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	327904	10/27/16 01:19	GTG	TAL BUF
Total/NA	Prep	3510C			327985	10/27/16 07:31	SMP	TAL BUF
Total/NA	Analysis	8270D		10	328385	10/29/16 09:38	PJQ	TAL BUF

Laboratory References:

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

Certification Summary

Client: GHD Services Inc.
Project/Site: Sterling Site 3

TestAmerica Job ID: 480-108357-1

Laboratory: TestAmerica Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-17

The following analytes are included in this report, but are not certified under this certification:

Analysis Method	Prep Method	Matrix	Analyte
8260C		Water	Ethyl ether

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8260C		Water	2-Methylthiophene
8260C		Water	3-Methylthiophene

Method Summary

Client: GHD Services Inc.
Project/Site: Sterling Site 3

TestAmerica Job ID: 480-108357-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: GHD Services Inc.
Project/Site: Sterling Site 3

TestAmerica Job ID: 480-108357-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-108357-1	WG-007830-102416-BP-021	Water	10/24/16 09:30	10/25/16 09:30
480-108357-2	WG-007830-102416-BP-022	Water	10/24/16 11:00	10/25/16 09:30

CHAIN OF CUSTODY RECORD

COC NO.

PAGE 480-108357 COC

Address: ______________________

Phone: ______________________ Fax: ______________________

Project No/ Phase/Task Code:	007830-2016-95	Laboratory Name:	Test America	Lab Location: Amherst, NY	SSOW ID:
Project Name:	Sterling site 3	Lab Contact:	John Schove		Cooler No:
Project Location:	East Greenbush, NY				Carrier: Fedex
GHD Chemistry Contact:	Kathy Willey				Airbill No:
Sampler(s):	B. Pickett				Total # of Containers: 8 / 1 Cooler

ANALYSIS REQUESTED (See Back of COC for Definitions)

Item	SAMPLE IDENTIFICATION (Containers for each sample may be combined on one line)	DATE (mm/dd/yy)	TIME (hh:mm)	Matrix Code (see back of COC)	Grab (G) or Comp (C)	Filtered (Y/N)	8260C - TCL VOCs OLM 04.2	8270D - TCL SVOCs OLM 04.2									Total Containers/sample	MS/MSD Request	COMMENTS/ SPECIAL INSTRUCTIONS:
	PRESERVATION - (SEE BACK OF COC FOR ABBREVIATIONS)																		
1	WG-007830-102416-BP-021	10/24/16	0930	WG	G	N	2	2									4		
2	↓ ↓ ↓ ↓ 022	↓	1100	WG	G	N	2	2									4	X	MS/MSD
3																			
4																			
5																			TCL VOC's - include SCP's
6																			+ TICs
7																			(SCPs - attached)
8																			
9																			
10																			TCL SVOC's - include TICs
11																			pharmaceutical parameters
12																			

TAT Required in business days (use separate COCs for different TATs):

☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 1 Week ☐ 2 Week ☐ Other:

Notes/ Special Requirements: 4.0 #1

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
1. [signature]	GHD	10/24/16	1600	1. [signature]	TA	10/25/16	0930
2.				2.			
3.				3.			

THE CHAIN OF CUSTODY IS A LEGAL DOCUMENT – ALL FIELDS MUST BE COMPLETED ACCURATELY

Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 480-108357-1

Login Number: 108357
List Number: 1
Creator: Wallace, Cameron

List Source: TestAmerica Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (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	False	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	GHD
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Appendix D
Data Usability Summary Report (DUSR)

Memorandum

November 23, 2016

To:	Mike Okamoto	Ref. No.:	007830
From:	Kathy Willy/jp/adh/5	Tel:	716-205-1942

Subject: **Analytical Results and Reduced Validation**
Semiannual Groundwater Monitoring
Eastman Kodak Company Sterling Site #3
East Greenbush, New York
October 2016

1. Introduction

This document details a reduced validation of analytical results for groundwater samples collected in support of the Semiannual Groundwater Monitoring at the Eastman Kodak Company Sterling Site #3 site during October 2016. Samples were submitted to TestAmerica Laboratories, Inc., located in Amherst, New York. A sample collection and analysis summary is presented in Table 1. The validated analytical results are summarized in Table 2. A summary of the analytical methodology is presented in Table 3.

Standard GHD report deliverables were submitted by the laboratory. The final results and supporting quality assurance/quality control (QA/QC) data were assessed. Evaluation of the data was based on information obtained from the chain of custody forms, finished report forms, method blank data, and recovery data from surrogate spikes/laboratory control samples (LCS)/matrix spikes (MS).

The QA/QC criteria by which these data have been assessed are outlined in the analytical methods referenced in Table 3 and applicable guidance from the document entitled "USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review", United States Environmental Protection Agency (USEPA) 540-R-08-01, June 2008. This item will subsequently be referred to as the "Guidelines" in this Memorandum.

2. Sample Holding Time and Preservation

The sample holding time criteria for the analyses are summarized in Table 3. Sample chain of custody documents and analytical reports were used to determine sample holding times. All samples were prepared and analyzed within the required holding times.

All samples were properly preserved, delivered on ice, and stored by the laboratory at the required temperature (0-6°C).

3. Laboratory Method Blank Analyses

Method blanks are prepared from a purified matrix and analyzed with investigative samples to determine the existence and magnitude of sample contamination introduced during the analytical procedures.

For this study, laboratory method blanks were analyzed at a minimum frequency of 1 per 20 investigative samples and/or 1 per analytical batch.

All method blank results were non-detect, indicating that laboratory contamination was not a factor for this investigation with the exception of a low concentration of bis(2-Ethylhexyl)phthalate. Associated sample results with concentrations similar to that found in the method blanks were qualified as non-detect. A summary of qualified results is presented in Table 4.

4. Surrogate Spike Recoveries - Organic Analyses

In accordance with the methods employed, all samples, blanks, and QC samples analyzed for organics are spiked with surrogate compounds prior to sample extraction and/or analysis. Surrogate recoveries provide a means to evaluate the effects of laboratory performance on individual sample matrices.

All samples submitted for volatile organic compounds (VOC) and semi-volatile organic compounds (SVOC) determinations were spiked with the appropriate number of surrogate compounds prior to sample extraction and/or analysis.

Each individual surrogate compound is expected to meet the laboratory control limits with the exception of semi-volatile organic compound (SVOC) analyses. According to the "Guidelines" for SVOC analyses, up to one outlying surrogate in the base/neutral or acid fractions is acceptable as long as the recovery is at least 10 percent.

Surrogate recoveries were assessed against laboratory control limits. All surrogate recoveries met the above criteria.

5. Laboratory Control Sample Analyses

LCS and/or laboratory control sample duplicates (LCSD) are prepared and analyzed as samples to assess the analytical efficiencies of the methods employed, independent of sample matrix effects. The relative percent difference (RPD) of the LCS/LCSD recoveries is used to evaluate analytical precision.

For this study, LCS and LCS/LCSD were analyzed at a minimum frequency of 1 per 20 investigative samples and/or 1 per analytical batch.

The LCS/LCSD contained all compounds of interest. All LCS recoveries and RPDs were within the laboratory control limits, demonstrating acceptable analytical accuracy and precision.

6. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analyses

To evaluate the effects of sample matrices on the distillation process, measurement procedures, and accuracy of a particular analysis, samples are spiked with a known concentration of the analyte of concern and analyzed as MS/MSD samples. The RPD between the MS and MSD is used to assess analytical precision.

MS/MSD analyses were performed as specified in the methods.

The MS/MSD samples were spiked with all compounds of interest. All percent recoveries and RPD values were within the laboratory control limits, demonstrating acceptable analytical accuracy and precision with the exception of some low VOC recoveries. Associated sample results were qualified as estimated based on the implied low bias. A summary of qualified results is presented in Table 5.

7. Field QA/QC Samples

The field QA/QC consisted of two trip blank samples.

Trip Blank Sample Analysis

To evaluate contamination from sample collection, transportation, storage, and analytical activities, two trip blanks were submitted to the laboratory for VOC analysis. All results were non-detect for the compounds of interest.

8. Analyte Reporting

The laboratory reported detected results down to the laboratory's method detection limit (MDL) for each analyte. Positive analyte detections less than the reporting limit (RL) but greater than the MDL were qualified as estimated (J) in Table 2 unless qualified otherwise in this memorandum. Non-detect results were presented as non-detect at the RL in Table 2.

9. Conclusion

Based on the assessment detailed in the foregoing, the data summarized in Table 2 are acceptable with the specific qualifications noted herein.

Table 1

Sample Collection and Analysis Summary
Semiannual Groundwater Monitoring
Eastman Kodak Company Sterling Site #3
East Greenbush, New York
October 2016

					Analysis/Parameters		
Sample Identification	**Location**	**Matrix**	**Collection Date (mm/dd/yyyy)**	**Collection Time (hr:min)**	**TCL VOCs, SSPs, TICs**	**TCL SVOCs, SSPs, TICs**	**Comments**
WG-007830-102016-BP-001	MW-22B	Groundwater	10/20/2016	09:00	x	x	
WG-007830-102016-BP-010	MW-3SR	Groundwater	10/20/2016	16:00	x	x	
WG-007830-102116-BP-011	MW-21B	Groundwater	10/21/2016	08:30	x	x	
WG-007830-102116-BP-012	MW-20B	Groundwater	10/21/2016	09:30	x	x	
WG-007830-102116-BP-013	MW-23B	Groundwater	10/21/2016	10:30	x	x	
WG-007830-102116-BP-014	MW-11B	Groundwater	10/21/2016	11:00	x	x	
WG-007830-102116-BP-015	MW-25	Groundwater	10/21/2016	12:00	x	x	
WG-007830-102116-BP-016	MW-26	Groundwater	10/21/2016	12:30	x	x	
WG-007830-102116-BP-017	MW-14B	Groundwater	10/21/2016	13:00	x	x	
WG-007830-102116-BP-018	MW-17B	Groundwater	10/21/2016	13:30	x	x	
SW-007830-102116-BP-019	SW-1	Surface Water	10/21/2016	14:00	x	x	
WG-007830-102016-BP-002	MW-24B	Groundwater	10/20/2016	09:30	x	x	
SW-007830-102116-BP-020	SW-2	Surface Water	10/21/2016	15:00	x	x	
TRIP BLANKS	-	Water	10/20/2016	-	x		Trip Blank
TRIP BLANKS	-	Water	10/20/2016	-	x		Trip Blank
WG-007830-102016-BP-003	MW-19B	Groundwater	10/20/2016	10:00	x	x	
WG-007830-102016-BP-004	MW-2S	Groundwater	10/20/2016	10:30	x	x	
WG-007830-102016-BP-005	MW-10B	Groundwater	10/20/2016	12:00	x	x	
WG-007830-102016-BP-006	PZ-2A	Groundwater	10/20/2016	13:00	x	x	
WG-007830-102016-BP-007	MW-12B	Groundwater	10/20/2016	14:00	x	x	
WG-007830-102016-BP-008	MW-7B	Groundwater	10/20/2016	15:00	x	x	
WG-007830-102016-BP-009	MW-8B	Groundwater	10/20/2016	15:30	x	x	
WG-007830-102416-BP-021	MW-4B	Groundwater	10/24/2016	09:30	x	x	
WG-007830-102416-BP-022	MW-16B	Groundwater	10/24/2016	11:00	x	x	

Notes:

TCL - Target Compound List
VOCs - Volatile Organic Compounds
SVOCs - Semi-volatile Organic Compounds
TICs - Tentatively Identified Compounds
SSPs - Site-specific parameters
- - Not applicable

Table 2

Analytical Results Summary
Semiannual Groundwater Monitoring
Eastman Kodak Company Sterling Site #3
East Greenbush, New York
October 2016

Sample Location:		MW-2S	MW-3SR	MW-4B	MW-7B
Sample ID:		WG-007830-102016-BP-004	WG-007830-102016-BP-010	WG-007830-102416-BP-021	WG-007830-102016-BP-008
Sample Date:		10/20/2016	10/20/2016	10/24/2016	10/20/2016
Parameters	**Units**				
Volatile Organic Compounds (VOCs)					
1,1,1-Trichloroethane	µg/L	ND (100)	ND (5.0)	ND (5.0)	ND (5.0)
1,1,2,2-Tetrachloroethane	µg/L	ND (100)	ND (5.0)	ND (5.0)	ND (5.0)
1,1,2-Trichloroethane	µg/L	ND (100)	ND (5.0)	ND (5.0)	ND (5.0)
1,1-Dichloroethane	µg/L	ND (100)	ND (5.0)	ND (5.0)	ND (5.0)
1,1-Dichloroethene	µg/L	ND (100)	ND (5.0)	ND (5.0)	ND (5.0)
1,2-Dichloroethane	µg/L	ND (100)	ND (5.0)	ND (5.0)	ND (5.0)
1,2-Dichloropropane	µg/L	ND (100)	ND (5.0)	ND (5.0)	ND (5.0)
2-Butanone (Methyl Ethyl Ketone)	µg/L	ND (200)	ND (10)	ND (10)	ND (10)
2-Hexanone	µg/L	ND (200)	ND (10)	ND (10)	ND (10)
2-Methylthiophene	µg/L	ND (200)	ND (10)	ND (10)	ND (10)
3-Methylthiophene	µg/L	ND (200)	ND (10)	ND (10)	ND (10)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	µg/L	ND (200)	ND (10)	ND (10)	ND (10)
Acetone	µg/L	ND (200)	3.4 J	ND (10)	ND (10)
Benzene	µg/L	20	21	ND (1.0)	ND (1.0)
Bromodichloromethane	µg/L	ND (100)	ND (5.0)	ND (5.0)	ND (5.0)
Bromoform	µg/L	ND (100)	ND (5.0)	ND (5.0)	ND (5.0)
Bromomethane (Methyl Bromide)	µg/L	ND (200)	ND (10)	ND (10)	ND (10)
Carbon disulfide	µg/L	ND (100)	ND (5.0)	ND (5.0)	ND (5.0)
Carbon tetrachloride	µg/L	ND (100)	ND (5.0)	ND (5.0)	ND (5.0)
Chlorobenzene	µg/L	ND (100)	2.0 J	ND (5.0)	ND (5.0)
Chloroethane	µg/L	ND (200)	ND (10)	ND (10)	ND (10)
Chloroform (Trichloromethane)	µg/L	ND (100)	1.8 J	ND (5.0)	ND (5.0)
Chloromethane (Methyl Chloride)	µg/L	ND (200)	ND (10)	ND (10)	ND (10)
cis-1,2-Dichloroethene	µg/L	ND (100)	ND (5.0)	ND (5.0)	ND (5.0)
cis-1,3-Dichloropropene	µg/L	ND (100)	ND (5.0)	ND (5.0)	ND (5.0)
Dibromochloromethane	µg/L	ND (100)	ND (5.0)	ND (5.0)	ND (5.0)
Ethyl Ether	µg/L	910 J	230	ND (10)	ND (10)
Ethylbenzene	µg/L	ND (100)	ND (5.0)	ND (5.0)	ND (5.0)
m&p-Xylene	µg/L	ND (100)	ND (5.0)	ND (5.0)	ND (5.0)
Methylene chloride	µg/L	ND (100)	ND (5.0)	ND (5.0)	ND (5.0)
o-Xylene	µg/L	ND (100)	ND (5.0)	ND (5.0)	ND (5.0)
Styrene	µg/L	ND (100)	ND (5.0)	ND (5.0)	ND (5.0)
Tetrachloroethene	µg/L	ND (100)	ND (5.0)	ND (5.0)	ND (5.0)
Toluene	µg/L	ND (100)	ND (5.0)	ND (5.0)	ND (5.0)
trans-1,2-Dichloroethene	µg/L	ND (100)	ND (5.0)	ND (5.0)	ND (5.0)
trans-1,3-Dichloropropene	µg/L	ND (100)	ND (5.0)	ND (5.0)	ND (5.0)

Table 2

Analytical Results Summary
Semiannual Groundwater Monitoring
Eastman Kodak Company Sterling Site #3
East Greenbush, New York
October 2016

Sample Location:		MW-2S	MW-3SR	MW-4B	MW-7B
Sample ID:		WG-007830-102016-BP-004	WG-007830-102016-BP-010	WG-007830-102416-BP-021	WG-007830-102016-BP-008
Sample Date:		10/20/2016	10/20/2016	10/24/2016	10/20/2016
Parameters	**Units**				
VOCs-Continued					
Trichloroethene	µg/L	ND (100)	ND (5.0)	ND (5.0)	ND (5.0)
Vinyl chloride	µg/L	ND (200)	ND (10)	ND (10)	ND (10)
TICs VOCs					
2-Ethenyl-naphthalene A	µg/L	-	-	-	-
Dichlorofluoromethane A	µg/L	-	4.2 TJN	-	-
Diethoxymethane A	µg/L	-	-	-	-
Diphenyl ether A	µg/L	-	-	-	-
Ethoxymethyl-benzene A	µg/L	-	12 TJN	-	-
Methane, chlorofluoro- A	µg/L	-	3.6 TJN	-	-
Tetrahydrofuran A	µg/L	-	-	-	7.9 TJN
Unknown 1	µg/L	-	-	-	-
Semi-volatiles Compounds (SVOCs)					
1,2,4-Trichlorobenzene	µg/L	ND (9.7)	ND (9.7)	ND (9.7)	ND (95)
1,2-Dichlorobenzene	µg/L	ND (9.7)	ND (9.7)	ND (9.7)	ND (95)
1,3-Dichlorobenzene	µg/L	ND (9.7)	ND (9.7)	ND (9.7)	ND (95)
1,4-Dichlorobenzene	µg/L	ND (9.7)	ND (9.7)	ND (9.7)	ND (95)
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	µg/L	ND (4.8)	ND (4.8)	ND (4.8)	ND (48)
2,4,5-Trichlorophenol	µg/L	ND (4.8)	ND (4.8)	ND (4.8)	ND (48)
2,4,6-Trichlorophenol	µg/L	ND (4.8)	ND (4.8)	ND (4.8)	ND (48)
2,4-Dichlorophenol	µg/L	ND (4.8)	ND (4.8)	ND (4.8)	ND (48)
2,4-Dimethylphenol	µg/L	ND (4.8)	ND (4.8)	ND (4.8)	ND (48)
2,4-Dinitrophenol	µg/L	ND (9.7)	ND (9.7)	ND (9.7)	ND (95)
2,4-Dinitrotoluene	µg/L	ND (4.8)	ND (4.8)	ND (4.8)	ND (48)
2,6-Dinitrotoluene	µg/L	ND (4.8)	ND (4.8)	ND (4.8)	ND (48)
2-Chloronaphthalene	µg/L	ND (4.8)	ND (4.8)	ND (4.8)	ND (48)
2-Chlorophenol	µg/L	ND (4.8)	ND (4.8)	ND (4.8)	ND (48)
2-Methylnaphthalene	µg/L	ND (4.8)	ND (4.8)	ND (4.8)	ND (48)
2-Methylphenol	µg/L	ND (4.8)	ND (4.8)	ND (4.8)	ND (48)
2-Nitroaniline	µg/L	ND (9.7)	ND (9.7)	ND (9.7)	ND (95)
2-Nitrophenol	µg/L	ND (4.8)	ND (4.8)	ND (4.8)	ND (48)
3,3'-Dichlorobenzidine	µg/L	ND (4.8)	ND (4.8)	ND (4.8)	ND (48)
3-Nitroaniline	µg/L	ND (9.7)	ND (9.7)	ND (9.7)	ND (95)
4,6-Dinitro-2-methylphenol	µg/L	ND (9.7)	ND (9.7)	ND (9.7)	ND (95)
4-Bromophenyl phenyl ether	µg/L	ND (4.8)	ND (4.8)	ND (4.8)	ND (48)

Table 2

Analytical Results Summary
Semiannual Groundwater Monitoring
Eastman Kodak Company Sterling Site #3
East Greenbush, New York
October 2016

Sample Location:		MW-2S	MW-3SR	MW-4B	MW-7B
Sample ID:		WG-007830-102016-BP-004	WG-007830-102016-BP-010	WG-007830-102416-BP-021	WG-007830-102016-BP-008
Sample Date:		10/20/2016	10/20/2016	10/24/2016	10/20/2016
Parameters	**Units**				
SVOCs-Continued					
4-Chloro-3-methylphenol	µg/L	ND (4.8)	ND (4.8)	ND (4.8)	ND (48)
4-Chloroaniline	µg/L	ND (4.8)	ND (4.8)	ND (4.8)	ND (48)
4-Chlorophenyl phenyl ether	µg/L	ND (4.8)	ND (4.8)	ND (4.8)	ND (48)
4-Methylphenol	µg/L	ND (9.7)	ND (9.7)	ND (9.7)	ND (95)
4-Nitroaniline	µg/L	ND (9.7)	ND (9.7)	ND (9.7)	ND (95)
4-Nitrophenol	µg/L	ND (9.7)	ND (9.7)	ND (9.7)	ND (95)
Acenaphthene	µg/L	ND (4.8)	ND (4.8)	ND (4.8)	ND (48)
Acenaphthylene	µg/L	ND (4.8)	ND (4.8)	ND (4.8)	ND (48)
Anthracene	µg/L	ND (4.8)	ND (4.8)	ND (4.8)	ND (48)
Benzaldehyde	µg/L	ND (4.8)	ND (4.8)	ND (4.8)	ND (48)
Benzo(a)anthracene	µg/L	ND (4.8)	ND (4.8)	ND (4.8)	ND (48)
Benzo(a)pyrene	µg/L	ND (4.8)	ND (4.8)	ND (4.8)	ND (48)
Benzo(b)fluoranthene	µg/L	ND (4.8)	ND (4.8)	ND (4.8)	ND (48)
Benzo(g,h,i)perylene	µg/L	ND (4.8)	ND (4.8)	ND (4.8)	ND (48)
Benzo(k)fluoranthene	µg/L	ND (4.8)	ND (4.8)	ND (4.8)	ND (48)
bis(2-Chloroethoxy)methane	µg/L	ND (4.8)	ND (4.8)	ND (4.8)	ND (48)
bis(2-Chloroethyl)ether	µg/L	ND (4.8)	ND (4.8)	ND (4.8)	ND (48)
bis(2-Ethylhexyl)phthalate	µg/L	ND (4.8)	ND (4.8)	ND (4.8)	ND (48)
Butyl benzylphthalate	µg/L	ND (4.8)	ND (4.8)	ND (4.8)	ND (48)
Carbazole	µg/L	ND (4.8)	ND (4.8)	ND (4.8)	ND (48)
Chrysene	µg/L	ND (4.8)	ND (4.8)	ND (4.8)	ND (48)
Dibenz(a,h)anthracene	µg/L	ND (4.8)	ND (4.8)	ND (4.8)	ND (48)
Dibenzofuran	µg/L	ND (9.7)	ND (9.7)	ND (9.7)	ND (95)
Diethyl phthalate	µg/L	ND (4.8)	ND (4.8)	ND (4.8)	ND (48)
Dimethyl phthalate	µg/L	ND (4.8)	ND (4.8)	ND (4.8)	ND (48)
Di-n-butylphthalate	µg/L	ND (4.8)	ND (4.8)	ND (4.8)	ND (48)
Di-n-octyl phthalate	µg/L	ND (4.8)	ND (4.8)	ND (4.8)	ND (48)
Fluoranthene	µg/L	ND (4.8)	ND (4.8)	ND (4.8)	ND (48)
Fluorene	µg/L	ND (4.8)	ND (4.8)	ND (4.8)	ND (48)
Hexachlorobenzene	µg/L	ND (4.8)	ND (4.8)	ND (4.8)	ND (48)
Hexachlorobutadiene	µg/L	ND (4.8)	ND (4.8)	ND (4.8)	ND (48)
Hexachlorocyclopentadiene	µg/L	ND (4.8)	ND (4.8)	ND (4.8)	ND (48)
Hexachloroethane	µg/L	ND (4.8)	ND (4.8)	ND (4.8)	ND (48)
Indeno(1,2,3-cd)pyrene	µg/L	ND (4.8)	ND (4.8)	ND (4.8)	ND (48)
Isophorone	µg/L	ND (4.8)	ND (4.8)	ND (4.8)	ND (48)
Naphthalene	µg/L	ND (4.8)	ND (4.8)	ND (4.8)	ND (48)

Table 2

Analytical Results Summary
Semiannual Groundwater Monitoring
Eastman Kodak Company Sterling Site #3
East Greenbush, New York
October 2016

Sample Location:		MW-2S	MW-3SR	MW-4B	MW-7B
Sample ID:		WG-007830-102016-BP-004	WG-007830-102016-BP-010	WG-007830-102416-BP-021	WG-007830-102016-BP-008
Sample Date:		10/20/2016	10/20/2016	10/24/2016	10/20/2016
Parameters	**Units**				
SVOCs-Continued					
Nitrobenzene	µg/L	ND (4.8)	ND (4.8)	ND (4.8)	ND (48)
N-Nitrosodi-n-propylamine	µg/L	ND (4.8)	ND (4.8)	ND (4.8)	ND (48)
N-Nitrosodiphenylamine	µg/L	ND (4.8)	ND (4.8)	ND (4.8)	ND (48)
Pentachlorophenol	µg/L	ND (9.7)	ND (9.7)	ND (9.7)	ND (95)
Phenanthrene	µg/L	ND (4.8)	ND (4.8)	ND (4.8)	ND (48)
Phenol	µg/L	ND (4.8)	ND (4.8)	ND (4.8)	ND (48)
Pyrene	µg/L	ND (4.8)	ND (4.8)	ND (4.8)	ND (48)
TIC SVOCs					
1,3,5-Tribromo-2-methoxy-benzene A	µg/L	-	-	2.4 TJN	-
2-Methyl-7-nonadecene A	µg/L	-	-	-	-
4-Hydroxy-butanoic acid A	µg/L	-	-	-	-
5-Chloroisatin A	µg/L	-	-	-	-
Aminopyrine A	µg/L	2.7 TJN	-	-	-
Benzenemethanamine, N,N-dimethyl A	µg/L	-	9.1 TJN	-	-
Benzyl Alcohol A	µg/L	-	-	-	-
bis(2-Chloroethoxy)ethane A	µg/L	-	9.7 TJN	-	-
Chlorobenzene A	µg/L	-	-	-	-
Chloroiodomethane A	µg/L	-	-	-	-
Cholestan-3-one A	µg/L	-	-	-	-
Cyclobarbitol A	µg/L	-	-	-	-
Cyclohexasiloxane, dodecamethyl- A	µg/L	-	-	-	-
Cyclohexyl isothiocyanate A	µg/L	-	-	-	-
Cyclopentasiloxane, decamethyl- A	µg/L	4.0 TJN	-	2.0 TJN	-
Cyclotetrasiloxane, octamethyl- A	µg/L	-	-	-	-
Cyclotetrasiloxane, octamethyl- B	µg/L	-	-	-	-
Diethyltoluamide A	µg/L	-	-	-	-
Diisopropylamine A	µg/L	25 TJN	-	-	-
Erucamide A	µg/L	-	-	-	-
Ethoxymethyl-benzene A	µg/L	-	56 TJN	-	-
Hexobarbital A	µg/L	9.3 TJN	7.6 TJN	-	-
Hexobarbital B	µg/L	-	-	-	-
Lidocaine A	µg/L	-	46 TJN	-	-
Mephobarbital A	µg/L	19 TJN	79 TJN	-	-
Mephobarbital B	µg/L	-	-	-	-
Mepivacaine A	µg/L	-	33 TJN	-	-

Analytical Results Summary
Semiannual Groundwater Monitoring
Eastman Kodak Company Sterling Site #3
East Greenbush, New York
October 2016

Sample Location:		**MW-2S**	**MW-3SR**	**MW-4B**	**MW-7B**
Sample ID:		**WG-007830-102016-BP-004**	**WG-007830-102016-BP-010**	**WG-007830-102416-BP-021**	**WG-007830-102016-BP-008**
Sample Date:		**10/20/2016**	**10/20/2016**	**10/24/2016**	**10/20/2016**
Parameters	**Units**				
TIC SVOCs					
Noramidopyrine A	µg/L	35 TJN	-	-	-
Pentazocine A	µg/L	-	8.8 TJN	-	-
Phenobarbital A	µg/L	26 TJN	34 TJN	-	36 TJN
Phenobarbital B	µg/L	-	-	-	-
Phenobarbital di-methyl derivative A	µg/L	-	-	-	-
Phenobarbital di-methyl derivative B	µg/L	-	-	-	-
p-Xylene A	µg/L	-	-	14 TJN	-
Pyrimidinetrione, 5-ethyl-1,3-dimethyl-5-phenyl- A	µg/L	3.4 TJN	-	-	-
Talbutal A	µg/L	19 TJN	35 TJN	-	27 TJN
Talbutal B	µg/L	-	-	-	-
Toluene A	µg/L	-	-	2.3 TJN	-
Triethylamine A	µg/L	-	29 TJN	-	-
Triethylamine B	µg/L	-	-	-	-
Unknown 1	µg/L	25 TJ	13 TJ	45 TJ	35 TJ
Unknown 2	µg/L	2.3 TJ	10 TJ	2.9 TJ	19 TJ
Unknown 3	µg/L	3.7 TJ	11 TJ	2.5 TJ	24 TJ
Unknown 4	µg/L	67 TJ	29 TJ	5.6 TJ	-
Unknown 5	µg/L	2.9 TJ	7.5 TJ	2.6 TJ	-
Unknown 6	µg/L	2.8 TJ	7.3 TJ	3.5 TJ	-
Unknown 7	µg/L	15 TJ	7.9 TJ	1.8 TJ	-
Unknown 8	µg/L	3.2 TJ	8.9 TJ	-	-
Unknown 9	µg/L	3.7 TJ	52 TJ	-	-
Unknown 10	µg/L	3.1 TJ	-	-	-
Unknown 11	µg/L	2.2 TJ	-	-	-
Unknown 12	µg/L	-	-	-	-
Unknown 13	µg/L	-	-	-	-

Table 2

Analytical Results Summary
Semiannual Groundwater Monitoring
Eastman Kodak Company Sterling Site #3
East Greenbush, New York
October 2016

Sample Location:		MW-8B	MW-10B	MW-11B	MW-12B
Sample ID:		WG-007830-102016-BP-009	WG-007830-102016-BP-005	WG-007830-102116-BP-014	WG-007830-102016-BP-007
Sample Date:		10/20/2016	10/20/2016	10/21/2016	10/20/2016
Parameters	**Units**				
Volatile Organic Compounds (VOCs)					
1,1,1-Trichloroethane	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (40)
1,1,2,2-Tetrachloroethane	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (40)
1,1,2-Trichloroethane	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (40)
1,1-Dichloroethane	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (40)
1,1-Dichloroethene	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (40)
1,2-Dichloroethane	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (40)
1,2-Dichloropropane	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (40)
2-Butanone (Methyl Ethyl Ketone)	µg/L	ND (10)	ND (10)	ND (10)	ND (80)
2-Hexanone	µg/L	ND (10)	ND (10)	ND (10)	ND (80)
2-Methylthiophene	µg/L	ND (10)	ND (10)	ND (10)	ND (80)
3-Methylthiophene	µg/L	ND (10)	ND (10)	ND (10)	ND (80)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	µg/L	ND (10)	ND (10)	ND (10)	ND (80)
Acetone	µg/L	ND (10)	ND (10)	ND (10)	ND (80)
Benzene	µg/L	ND (1.0)	ND (1.0)	ND (1.0)	13
Bromodichloromethane	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (40)
Bromoform	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (40)
Bromomethane (Methyl Bromide)	µg/L	ND (10)	ND (10)	ND (10)	ND (80)
Carbon disulfide	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (40)
Carbon tetrachloride	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (40)
Chlorobenzene	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (40)
Chloroethane	µg/L	ND (10)	ND (10)	ND (10)	ND (80)
Chloroform (Trichloromethane)	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (40)
Chloromethane (Methyl Chloride)	µg/L	ND (10)	ND (10)	ND (10)	ND (80)
cis-1,2-Dichloroethene	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (40)
cis-1,3-Dichloropropene	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (40)
Dibromochloromethane	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (40)
Ethyl Ether	µg/L	30	32	0.74 J	30 J
Ethylbenzene	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (40)
m&p-Xylene	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (40)
Methylene chloride	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (40)
o-Xylene	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (40)
Styrene	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (40)
Tetrachloroethene	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (40)
Toluene	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (40)
trans-1,2-Dichloroethene	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (40)
trans-1,3-Dichloropropene	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (40)

Analytical Results Summary
Semiannual Groundwater Monitoring
Eastman Kodak Company Sterling Site #3
East Greenbush, New York
October 2016

Sample Location:		MW-8B	MW-10B	MW-11B	MW-12B
Sample ID:		WG-007830-102016-BP-009	WG-007830-102016-BP-005	WG-007830-102116-BP-014	WG-007830-102016-BP-007
Sample Date:		10/20/2016	10/20/2016	10/21/2016	10/20/2016
Parameters	**Units**				
VOCs-Continued					
Trichloroethene	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (40)
Vinyl chloride	µg/L	ND (10)	ND (10)	ND (10)	ND (80)
TICs VOCs					
2-Ethenyl-naphthalene A	µg/L	-	-	-	-
Dichlorofluoromethane A	µg/L	-	-	-	-
Diethoxymethane A	µg/L	-	-	-	-
Diphenyl ether A	µg/L	-	-	-	-
Ethoxymethyl-benzene A	µg/L	-	-	-	-
Methane, chlorofluoro- A	µg/L	-	-	-	-
Tetrahydrofuran A	µg/L	-	-	-	-
Unknown 1	µg/L	-	-	-	6000 TJ
Semi-volatiles Compounds (SVOCs)					
1,2,4-Trichlorobenzene	µg/L	ND (99)	ND (11)	ND (9.6)	ND (9.7)
1,2-Dichlorobenzene	µg/L	ND (99)	ND (11)	ND (9.6)	ND (9.7)
1,3-Dichlorobenzene	µg/L	ND (99)	ND (11)	ND (9.6)	ND (9.7)
1,4-Dichlorobenzene	µg/L	ND (99)	ND (11)	ND (9.6)	ND (9.7)
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	µg/L	ND (49)	ND (5.7)	ND (4.8)	ND (4.9)
2,4,5-Trichlorophenol	µg/L	ND (49)	ND (5.7)	ND (4.8)	ND (4.9)
2,4,6-Trichlorophenol	µg/L	ND (49)	ND (5.7)	ND (4.8)	ND (4.9)
2,4-Dichlorophenol	µg/L	ND (49)	ND (5.7)	ND (4.8)	ND (4.9)
2,4-Dimethylphenol	µg/L	ND (49)	ND (5.7)	ND (4.8)	ND (4.9)
2,4-Dinitrophenol	µg/L	ND (99)	ND (11)	ND (9.6)	ND (9.7)
2,4-Dinitrotoluene	µg/L	ND (49)	ND (5.7)	ND (4.8)	ND (4.9)
2,6-Dinitrotoluene	µg/L	ND (49)	ND (5.7)	ND (4.8)	ND (4.9)
2-Chloronaphthalene	µg/L	ND (49)	ND (5.7)	ND (4.8)	ND (4.9)
2-Chlorophenol	µg/L	ND (49)	ND (5.7)	ND (4.8)	ND (4.9)
2-Methylnaphthalene	µg/L	ND (49)	ND (5.7)	ND (4.8)	ND (4.9)
2-Methylphenol	µg/L	ND (49)	ND (5.7)	ND (4.8)	ND (4.9)
2-Nitroaniline	µg/L	ND (99)	ND (11)	ND (9.6)	ND (9.7)
2-Nitrophenol	µg/L	ND (49)	ND (5.7)	ND (4.8)	ND (4.9)
3,3'-Dichlorobenzidine	µg/L	ND (49)	ND (5.7)	ND (4.8)	ND (4.9)
3-Nitroaniline	µg/L	ND (99)	ND (11)	ND (9.6)	ND (9.7)
4,6-Dinitro-2-methylphenol	µg/L	ND (99)	ND (11)	ND (9.6)	ND (9.7)
4-Bromophenyl phenyl ether	µg/L	ND (49)	ND (5.7)	ND (4.8)	ND (4.9)

Analytical Results Summary
Semiannual Groundwater Monitoring
Eastman Kodak Company Sterling Site #3
East Greenbush, New York
October 2016

	Sample Location:	MW-8B	MW-10B	MW-11B	MW-12B
	Sample ID:	WG-007830-102016-BP-009	WG-007830-102016-BP-005	WG-007830-102116-BP-014	WG-007830-102016-BP-007
	Sample Date:	10/20/2016	10/20/2016	10/21/2016	10/20/2016
Parameters	**Units**				
SVOCs-Continued					
4-Chloro-3-methylphenol	µg/L	ND (49)	ND (5.7)	ND (4.8)	ND (4.9)
4-Chloroaniline	µg/L	ND (49)	ND (5.7)	ND (4.8)	ND (4.9)
4-Chlorophenyl phenyl ether	µg/L	ND (49)	ND (5.7)	ND (4.8)	ND (4.9)
4-Methylphenol	µg/L	ND (99)	ND (11)	ND (9.6)	ND (9.7)
4-Nitroaniline	µg/L	ND (99)	ND (11)	ND (9.6)	ND (9.7)
4-Nitrophenol	µg/L	ND (99)	ND (11)	ND (9.6)	ND (9.7)
Acenaphthene	µg/L	ND (49)	ND (5.7)	ND (4.8)	ND (4.9)
Acenaphthylene	µg/L	ND (49)	ND (5.7)	ND (4.8)	ND (4.9)
Anthracene	µg/L	ND (49)	ND (5.7)	ND (4.8)	ND (4.9)
Benzaldehyde	µg/L	ND (49)	ND (5.7)	ND (4.8)	0.35 J
Benzo(a)anthracene	µg/L	ND (49)	ND (5.7)	ND (4.8)	ND (4.9)
Benzo(a)pyrene	µg/L	ND (49)	ND (5.7)	ND (4.8)	ND (4.9)
Benzo(b)fluoranthene	µg/L	ND (49)	ND (5.7)	ND (4.8)	ND (4.9)
Benzo(g,h,i)perylene	µg/L	ND (49)	ND (5.7)	ND (4.8)	ND (4.9)
Benzo(k)fluoranthene	µg/L	ND (49)	ND (5.7)	ND (4.8)	ND (4.9)
bis(2-Chloroethoxy)methane	µg/L	ND (49)	ND (5.7)	ND (4.8)	ND (4.9)
bis(2-Chloroethyl)ether	µg/L	ND (49)	ND (5.7)	ND (4.8)	ND (4.9)
bis(2-Ethylhexyl)phthalate	µg/L	140 J	ND (5.7)	ND (4.8)	ND (4.9)
Butyl benzylphthalate	µg/L	ND (49)	ND (5.7)	ND (4.8)	ND (4.9)
Carbazole	µg/L	ND (49)	ND (5.7)	ND (4.8)	ND (4.9)
Chrysene	µg/L	ND (49)	ND (5.7)	ND (4.8)	ND (4.9)
Dibenz(a,h)anthracene	µg/L	ND (49)	ND (5.7)	ND (4.8)	ND (4.9)
Dibenzofuran	µg/L	ND (99)	ND (11)	ND (9.6)	ND (9.7)
Diethyl phthalate	µg/L	ND (49)	ND (5.7)	ND (4.8)	2.3 J
Dimethyl phthalate	µg/L	ND (49)	ND (5.7)	ND (4.8)	0.58 J
Di-n-butylphthalate	µg/L	ND (49)	ND (5.7)	ND (4.8)	ND (4.9)
Di-n-octyl phthalate	µg/L	ND (49)	ND (5.7)	ND (4.8)	ND (4.9)
Fluoranthene	µg/L	ND (49)	ND (5.7)	ND (4.8)	ND (4.9)
Fluorene	µg/L	ND (49)	ND (5.7)	ND (4.8)	ND (4.9)
Hexachlorobenzene	µg/L	ND (49)	ND (5.7)	ND (4.8)	ND (4.9)
Hexachlorobutadiene	µg/L	ND (49)	ND (5.7)	ND (4.8)	ND (4.9)
Hexachlorocyclopentadiene	µg/L	ND (49)	ND (5.7)	ND (4.8)	ND (4.9)
Hexachloroethane	µg/L	ND (49)	ND (5.7)	ND (4.8)	ND (4.9)
Indeno(1,2,3-cd)pyrene	µg/L	ND (49)	ND (5.7)	ND (4.8)	ND (4.9)
Isophorone	µg/L	ND (49)	ND (5.7)	ND (4.8)	ND (4.9)
Naphthalene	µg/L	ND (49)	ND (5.7)	ND (4.8)	ND (4.9)

Table 2

Analytical Results Summary
Semiannual Groundwater Monitoring
Eastman Kodak Company Sterling Site #3
East Greenbush, New York
October 2016

	Sample Location:	MW-8B	MW-10B	MW-11B	MW-12B
	Sample ID:	WG-007830-102016-BP-009	WG-007830-102016-BP-005	WG-007830-102116-BP-014	WG-007830-102016-BP-007
	Sample Date:	10/20/2016	10/20/2016	10/21/2016	10/20/2016
Parameters	**Units**				
SVOCs-Continued					
Nitrobenzene	µg/L	ND (49)	ND (5.7)	ND (4.8)	ND (4.9)
N-Nitrosodi-n-propylamine	µg/L	ND (49)	ND (5.7)	ND (4.8)	ND (4.9)
N-Nitrosodiphenylamine	µg/L	ND (49)	ND (5.7)	ND (4.8)	ND (4.9)
Pentachlorophenol	µg/L	ND (99)	ND (11)	ND (9.6)	ND (9.7)
Phenanthrene	µg/L	ND (49)	ND (5.7)	ND (4.8)	ND (4.9)
Phenol	µg/L	ND (49)	ND (5.7)	ND (4.8)	ND (4.9)
Pyrene	µg/L	ND (49)	ND (5.7)	ND (4.8)	ND (4.9)
TIC SVOCs					
1,3,5-Tribromo-2-methoxy-benzene A	µg/L	-	-	-	-
2-Methyl-7-nonadecene A	µg/L	-	-	2.7 TJN	-
4-Hydroxy-butanoic acid A	µg/L	-	-	-	5.3 TJN
5-Chloroisatin A	µg/L	-	-	-	-
Aminopyrine A	µg/L	-	-	-	-
Benzenemethanamine, N,N-dimethyl A	µg/L	-	-	-	-
Benzyl Alcohol A	µg/L	-	-	-	-
bis(2-Chloroethoxy)ethane A	µg/L	-	-	-	-
Chlorobenzene A	µg/L	-	-	-	-
Chloroiodomethane A	µg/L	-	-	-	-
Cholestan-3-one A	µg/L	-	-	-	-
Cyclobarbitol A	µg/L	-	-	-	-
Cyclohexasiloxane, dodecamethyl- A	µg/L	-	-	2.0 TJN	-
Cyclohexyl isothiocyanate A	µg/L	-	-	-	-
Cyclopentasiloxane, decamethyl- A	µg/L	-	4.5 TJN	3.6 TJN	3.8 TJN
Cyclotetrasiloxane, octamethyl- A	µg/L	-	2.9 TJN	2.6 TJN	-
Cyclotetrasiloxane, octamethyl- B	µg/L	-	-	-	-
Diethyltoluamide A	µg/L	-	4.6 TJN	-	-
Diisopropylamine A	µg/L	-	-	-	-
Erucamide A	µg/L	-	2.0 TJN	-	-
Ethoxymethyl-benzene A	µg/L	-	-	-	-
Hexobarbital A	µg/L	-	-	-	12 TJN
Hexobarbital B	µg/L	-	-	-	-
Lidocaine A	µg/L	-	-	-	32 TJN
Mephobarbital A	µg/L	-	10 TJN	-	100 TJN
Mephobarbital B	µg/L	-	-	-	-
Mepivacaine A	µg/L	-	-	-	-

Table 2

Analytical Results Summary
Semiannual Groundwater Monitoring
Eastman Kodak Company Sterling Site #3
East Greenbush, New York
October 2016

Sample Location:		MW-8B	MW-10B	MW-11B	MW-12B
Sample ID:		WG-007830-102016-BP-009	WG-007830-102016-BP-005	WG-007830-102116-BP-014	WG-007830-102016-BP-007
Sample Date:		10/20/2016	10/20/2016	10/21/2016	10/20/2016
Parameters	**Units**				
TIC SVOCs					
Noramidopyrine A	µg/L	-	-	-	-
Pentazocine A	µg/L	-	-	-	-
Phenobarbital A	µg/L	17 TJN	6.2 TJN	-	44 TJN
Phenobarbital B	µg/L	-	-	-	-
Phenobarbital di-methyl derivative A	µg/L	-	-	-	-
Phenobarbital di-methyl derivative B	µg/L	-	-	-	-
p-Xylene A	µg/L	-	-	-	-
Pyrimidinetrione, 5-ethyl-1,3-dimethyl-5-phenyl- A	µg/L	-	-	-	6.5 TJN
Talbutal A	µg/L	-	2.2 TJN	-	-
Talbutal B	µg/L	-	-	-	-
Toluene A	µg/L	-	-	-	-
Triethylamine A	µg/L	-	4.8 TJN	-	12 TJN
Triethylamine B	µg/L	-	-	-	-
Unknown 1	µg/L	28 TJ	2.2 TJ	34 TJ	8.7 TJ
Unknown 2	µg/L	60 TJ	7.0 TJ	2.0 TJ	15 TJ
Unknown 3	µg/L	64 TJ	34 TJ	-	2.9 TJ
Unknown 4	µg/L	55 TJ	5.9 TJ	-	9.5 TJ
Unknown 5	µg/L	-	-	-	30 TJ
Unknown 6	µg/L	-	-	-	7.6 TJ
Unknown 7	µg/L	-	-	-	2.6 TJ
Unknown 8	µg/L	-	-	-	4.6 TJ
Unknown 9	µg/L	-	-	-	12 TJ
Unknown 10	µg/L	-	-	-	2.6 TJ
Unknown 11	µg/L	-	-	-	3.4 TJ
Unknown 12	µg/L	-	-	-	7.2 TJ
Unknown 13	µg/L	-	-	-	-

Table 2

Analytical Results Summary
Semiannual Groundwater Monitoring
Eastman Kodak Company Sterling Site #3
East Greenbush, New York
October 2016

Sample Location:		MW-14B	MW-16B	MW-17B	MW-19B
Sample ID:		WG-007830-102116-BP-017	WG-007830-102416-BP-022	WG-007830-102116-BP-018	WG-007830-102016-BP-003
Sample Date:		10/21/2016	10/24/2016	10/21/2016	10/20/2016
Parameters	**Units**				
Volatile Organic Compounds (VOCs)					
1,1,1-Trichloroethane	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
1,1,2,2-Tetrachloroethane	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
1,1,2-Trichloroethane	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
1,1-Dichloroethane	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
1,1-Dichloroethene	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
1,2-Dichloroethane	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
1,2-Dichloropropane	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
2-Butanone (Methyl Ethyl Ketone)	µg/L	ND (10)	ND (10)	ND (10)	ND (10)
2-Hexanone	µg/L	ND (10)	ND (10)	ND (10)	ND (10)
2-Methylthiophene	µg/L	ND (10)	ND (10)	ND (10)	ND (10)
3-Methylthiophene	µg/L	ND (10)	ND (10)	ND (10)	ND (10)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	µg/L	ND (10)	ND (10)	ND (10)	ND (10)
Acetone	µg/L	3.7 J	5.2 J	ND (10)	ND (10)
Benzene	µg/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Bromodichloromethane	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Bromoform	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Bromomethane (Methyl Bromide)	µg/L	ND (10)	ND (10)	ND (10)	ND (10)
Carbon disulfide	µg/L	0.44 J	ND (5.0)	ND (5.0)	ND (5.0)
Carbon tetrachloride	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Chlorobenzene	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Chloroethane	µg/L	ND (10)	ND (10)	ND (10)	ND (10)
Chloroform (Trichloromethane)	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Chloromethane (Methyl Chloride)	µg/L	ND (10)	ND (10)	ND (10)	ND (10)
cis-1,2-Dichloroethene	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
cis-1,3-Dichloropropene	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Dibromochloromethane	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Ethyl Ether	µg/L	ND (10)	94	1500	55
Ethylbenzene	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
m&p-Xylene	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Methylene chloride	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
o-Xylene	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Styrene	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Tetrachloroethene	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Toluene	µg/L	3.8 J	ND (5.0)	ND (5.0)	ND (5.0)
trans-1,2-Dichloroethene	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
trans-1,3-Dichloropropene	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)

Table 2

Analytical Results Summary
Semiannual Groundwater Monitoring
Eastman Kodak Company Sterling Site #3
East Greenbush, New York
October 2016

Sample Location:		MW-14B	MW-16B	MW-17B	MW-19B
Sample ID:		WG-007830-102116-BP-017	WG-007830-102416-BP-022	WG-007830-102116-BP-018	WG-007830-102016-BP-003
Sample Date:		10/21/2016	10/24/2016	10/21/2016	10/20/2016
Parameters	**Units**				
VOCs-Continued					
Trichloroethene	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Vinyl chloride	µg/L	ND (10)	ND (10)	ND (10)	ND (10)
TICs VOCs					
2-Ethenyl-naphthalene A	µg/L	-	-	-	-
Dichlorofluoromethane A	µg/L	-	-	-	-
Diethoxymethane A	µg/L	-	-	-	-
Diphenyl ether A	µg/L	2.9 TJN	-	-	-
Ethoxymethyl-benzene A	µg/L	-	-	-	-
Methane, chlorofluoro- A	µg/L	-	-	-	-
Tetrahydrofuran A	µg/L	-	-	-	-
Unknown 1	µg/L	-	-	-	-
Semi-volatiles Compounds (SVOCs)					
1,2,4-Trichlorobenzene	µg/L	ND (52)	ND (98)	ND (480)	ND (9.3)
1,2-Dichlorobenzene	µg/L	ND (52)	ND (98)	ND (480)	ND (9.3)
1,3-Dichlorobenzene	µg/L	ND (52)	ND (98)	ND (480)	ND (9.3)
1,4-Dichlorobenzene	µg/L	ND (52)	ND (98)	ND (480)	ND (9.3)
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	µg/L	ND (26)	ND (49)	ND (240)	ND (4.6)
2,4,5-Trichlorophenol	µg/L	ND (26)	ND (49)	ND (240)	ND (4.6)
2,4,6-Trichlorophenol	µg/L	ND (26)	ND (49)	ND (240)	ND (4.6)
2,4-Dichlorophenol	µg/L	ND (26)	ND (49)	ND (240)	ND (4.6)
2,4-Dimethylphenol	µg/L	ND (26)	ND (49)	ND (240)	ND (4.6)
2,4-Dinitrophenol	µg/L	ND (52)	ND (98)	ND (480)	ND (9.3)
2,4-Dinitrotoluene	µg/L	ND (26)	ND (49)	ND (240)	ND (4.6)
2,6-Dinitrotoluene	µg/L	ND (26)	ND (49)	ND (240)	ND (4.6)
2-Chloronaphthalene	µg/L	ND (26)	ND (49)	ND (240)	ND (4.6)
2-Chlorophenol	µg/L	ND (26)	ND (49)	ND (240)	ND (4.6)
2-Methylnaphthalene	µg/L	ND (26)	ND (49)	ND (240)	ND (4.6)
2-Methylphenol	µg/L	ND (26)	ND (49)	ND (240)	ND (4.6)
2-Nitroaniline	µg/L	ND (52)	ND (98)	ND (480)	ND (9.3)
2-Nitrophenol	µg/L	ND (26)	ND (49)	ND (240)	ND (4.6)
3,3'-Dichlorobenzidine	µg/L	ND (26)	ND (49)	ND (240)	ND (4.6)
3-Nitroaniline	µg/L	ND (52)	ND (98)	ND (480)	ND (9.3)
4,6-Dinitro-2-methylphenol	µg/L	ND (52)	ND (98)	ND (480)	ND (9.3)
4-Bromophenyl phenyl ether	µg/L	ND (26)	ND (49)	ND (240)	ND (4.6)

Table 2

Analytical Results Summary
Semiannual Groundwater Monitoring
Eastman Kodak Company Sterling Site #3
East Greenbush, New York
October 2016

Sample Location:		MW-14B	MW-16B	MW-17B	MW-19B
Sample ID:		WG-007830-102116-BP-017	WG-007830-102416-BP-022	WG-007830-102116-BP-018	WG-007830-102016-BP-003
Sample Date:		10/21/2016	10/24/2016	10/21/2016	10/20/2016
Parameters	**Units**				
SVOCs-Continued					
4-Chloro-3-methylphenol	µg/L	ND (26)	ND (49)	ND (240)	ND (4.6)
4-Chloroaniline	µg/L	ND (26)	ND (49)	ND (240)	ND (4.6)
4-Chlorophenyl phenyl ether	µg/L	ND (26)	ND (49)	ND (240)	ND (4.6)
4-Methylphenol	µg/L	ND (52)	ND (98)	ND (480)	ND (9.3)
4-Nitroaniline	µg/L	ND (52)	ND (98)	ND (480)	ND (9.3)
4-Nitrophenol	µg/L	ND (52)	ND (98)	ND (480)	ND (9.3)
Acenaphthene	µg/L	ND (26)	ND (49)	ND (240)	ND (4.6)
Acenaphthylene	µg/L	ND (26)	ND (49)	ND (240)	ND (4.6)
Anthracene	µg/L	ND (26)	ND (49)	ND (240)	ND (4.6)
Benzaldehyde	µg/L	ND (26)	ND (49)	ND (240)	ND (4.6)
Benzo(a)anthracene	µg/L	ND (26)	ND (49)	ND (240)	ND (4.6)
Benzo(a)pyrene	µg/L	ND (26)	ND (49)	ND (240)	ND (4.6)
Benzo(b)fluoranthene	µg/L	ND (26)	ND (49)	ND (240)	ND (4.6)
Benzo(g,h,i)perylene	µg/L	ND (26)	ND (49)	ND (240)	ND (4.6)
Benzo(k)fluoranthene	µg/L	ND (26)	ND (49)	ND (240)	ND (4.6)
bis(2-Chloroethoxy)methane	µg/L	ND (26)	ND (49)	ND (240)	ND (4.6)
bis(2-Chloroethyl)ether	µg/L	ND (26)	ND (49)	ND (240)	ND (4.6)
bis(2-Ethylhexyl)phthalate	µg/L	ND (26)	ND (49)	ND (240)	ND (4.6)
Butyl benzylphthalate	µg/L	ND (26)	ND (49)	ND (240)	ND (4.6)
Carbazole	µg/L	ND (26)	ND (49)	ND (240)	ND (4.6)
Chrysene	µg/L	ND (26)	ND (49)	ND (240)	ND (4.6)
Dibenz(a,h)anthracene	µg/L	ND (26)	ND (49)	ND (240)	ND (4.6)
Dibenzofuran	µg/L	ND (52)	ND (98)	ND (480)	ND (9.3)
Diethyl phthalate	µg/L	ND (26)	ND (49)	ND (240)	ND (4.6)
Dimethyl phthalate	µg/L	ND (26)	ND (49)	ND (240)	ND (4.6)
Di-n-butylphthalate	µg/L	ND (26)	ND (49)	ND (240)	ND (4.6)
Di-n-octyl phthalate	µg/L	ND (26)	ND (49)	ND (240)	ND (4.6)
Fluoranthene	µg/L	ND (26)	ND (49)	ND (240)	ND (4.6)
Fluorene	µg/L	ND (26)	ND (49)	ND (240)	ND (4.6)
Hexachlorobenzene	µg/L	ND (26)	ND (49)	ND (240)	ND (4.6)
Hexachlorobutadiene	µg/L	ND (26)	ND (49)	ND (240)	ND (4.6)
Hexachlorocyclopentadiene	µg/L	ND (26)	ND (49)	ND (240)	ND (4.6)
Hexachloroethane	µg/L	ND (26)	ND (49)	ND (240)	ND (4.6)
Indeno(1,2,3-cd)pyrene	µg/L	ND (26)	ND (49)	ND (240)	ND (4.6)
Isophorone	µg/L	ND (26)	ND (49)	ND (240)	ND (4.6)
Naphthalene	µg/L	ND (26)	ND (49)	ND (240)	ND (4.6)

Table 2

Analytical Results Summary
Semiannual Groundwater Monitoring
Eastman Kodak Company Sterling Site #3
East Greenbush, New York
October 2016

Sample Location:		MW-14B	MW-16B	MW-17B	MW-19B
Sample ID:		WG-007830-102116-BP-017	WG-007830-102416-BP-022	WG-007830-102116-BP-018	WG-007830-102016-BP-003
Sample Date:		10/21/2016	10/24/2016	10/21/2016	10/20/2016
Parameters	**Units**				
SVOCs-Continued					
Nitrobenzene	µg/L	ND (26)	ND (49)	ND (240)	ND (4.6)
N-Nitrosodi-n-propylamine	µg/L	ND (26)	ND (49)	ND (240)	ND (4.6)
N-Nitrosodiphenylamine	µg/L	ND (26)	ND (49)	ND (240)	ND (4.6)
Pentachlorophenol	µg/L	ND (52)	ND (98)	ND (480)	ND (9.3)
Phenanthrene	µg/L	ND (26)	ND (49)	ND (240)	ND (4.6)
Phenol	µg/L	ND (26)	ND (49)	ND (240)	ND (4.6)
Pyrene	µg/L	ND (26)	ND (49)	ND (240)	ND (4.6)
TIC SVOCs					
1,3,5-Tribromo-2-methoxy-benzene A	µg/L	-	-	-	-
2-Methyl-7-nonadecene A	µg/L	-	-	-	-
4-Hydroxy-butanoic acid A	µg/L	-	-	-	-
5-Chloroisatin A	µg/L	-	-	-	-
Aminopyrine A	µg/L	-	-	-	-
Benzenemethanamine, N,N-dimethyl A	µg/L	-	-	-	-
Benzyl Alcohol A	µg/L	-	-	-	-
bis(2-Chloroethoxy)ethane A	µg/L	-	-	-	-
Chlorobenzene A	µg/L	-	-	-	-
Chloroiodomethane A	µg/L	-	90 TJN	-	1.9 TJN
Cholestan-3-one A	µg/L	-	-	160 TJN	-
Cyclobarbitol A	µg/L	-	-	-	-
Cyclohexasiloxane, dodecamethyl- A	µg/L	-	-	-	-
Cyclohexyl isothiocyanate A	µg/L	-	-	-	-
Cyclopentasiloxane, decamethyl- A	µg/L	-	-	-	2.8 TJN
Cyclotetrasiloxane, octamethyl- A	µg/L	-	-	-	1.6 TJN
Cyclotetrasiloxane, octamethyl- B	µg/L	-	-	-	1.7 TJN
Diethyltoluamide A	µg/L	-	-	-	-
Diisopropylamine A	µg/L	-	-	-	-
Erucamide A	µg/L	-	-	-	-
Ethoxymethyl-benzene A	µg/L	-	-	-	-
Hexobarbital A	µg/L	-	-	-	3.7 TJN
Hexobarbital B	µg/L	-	-	-	4.2 TJN
Lidocaine A	µg/L	-	-	-	-
Mephobarbital A	µg/L	-	34 TJN	-	16 TJN
Mephobarbital B	µg/L	-	-	-	18 TJN
Mepivacaine A	µg/L	-	-	-	-

Table 2

Analytical Results Summary
Semiannual Groundwater Monitoring
Eastman Kodak Company Sterling Site #3
East Greenbush, New York
October 2016

	Sample Location:	MW-14B	MW-16B	MW-17B	MW-19B
	Sample ID:	WG-007830-102116-BP-017	WG-007830-102416-BP-022	WG-007830-102116-BP-018	WG-007830-102016-BP-003
	Sample Date:	10/21/2016	10/24/2016	10/21/2016	10/20/2016
Parameters	**Units**				
TIC SVOCs					
Noramidopyrine A	µg/L	-	-	-	-
Pentazocine A	µg/L	-	-	-	-
Phenobarbital A	µg/L	-	46 TJN	-	15 TJN
Phenobarbital B	µg/L	-	-	-	17 TJN
Phenobarbital di-methyl derivative A	µg/L	-	-	-	3.1 TJN
Phenobarbital di-methyl derivative B	µg/L	-	-	-	3.5 TJN
p-Xylene A	µg/L	-	-	-	-
Pyrimidinetrione, 5-ethyl-1,3-dimethyl-5-phenyl- A	µg/L	-	-	-	-
Talbutal A	µg/L	-	23 TJN	-	8.4 TJN
Talbutal B	µg/L	-	-	-	9.1 TJN
Toluene A	µg/L	-	-	-	-
Triethylamine A	µg/L	-	-	-	13 TJN
Triethylamine B	µg/L	-	-	-	3.2 TJN
Unknown 1	µg/L	30 TJ	24 TJ	650 TJ	23 TJ
Unknown 2	µg/L	38 TJ	20 TJ	-	1.8 TJ
Unknown 3	µg/L	-	57 TJ	-	5.6 TJ
Unknown 4	µg/L	-	-	-	1.6 TJ
Unknown 5	µg/L	-	-	-	2.7 TJ
Unknown 6	µg/L	-	-	-	2.9 TJ
Unknown 7	µg/L	-	-	-	45 TJ
Unknown 8	µg/L	-	-	-	5.9 TJ
Unknown 9	µg/L	-	-	-	1.8 TJ
Unknown 10	µg/L	-	-	-	1.7 TJ
Unknown 11	µg/L	-	-	-	-
Unknown 12	µg/L	-	-	-	-
Unknown 13	µg/L	-	-	-	-

Table 2

Analytical Results Summary
Semiannual Groundwater Monitoring
Eastman Kodak Company Sterling Site #3
East Greenbush, New York
October 2016

Sample Location:		MW-20B	MW-21B	MW-22B	MW-23B
Sample ID:		WG-007830-102116-BP-012	WG-007830-102116-BP-011	WG-007830-102016-BP-001	WG-007830-102116-BP-013
Sample Date:		10/21/2016	10/21/2016	10/20/2016	10/21/2016
Parameters	**Units**				
Volatile Organic Compounds (VOCs)					
1,1,1-Trichloroethane	µg/L	ND (5.0)	ND (25)	ND (5.0)	ND (5.0)
1,1,2,2-Tetrachloroethane	µg/L	ND (5.0)	ND (25)	ND (5.0)	ND (5.0)
1,1,2-Trichloroethane	µg/L	ND (5.0)	ND (25)	ND (5.0)	ND (5.0)
1,1-Dichloroethane	µg/L	ND (5.0)	ND (25)	ND (5.0)	ND (5.0)
1,1-Dichloroethene	µg/L	ND (5.0)	ND (25)	ND (5.0)	ND (5.0)
1,2-Dichloroethane	µg/L	ND (5.0)	ND (25)	ND (5.0)	ND (5.0)
1,2-Dichloropropane	µg/L	ND (5.0)	ND (25)	ND (5.0)	ND (5.0)
2-Butanone (Methyl Ethyl Ketone)	µg/L	ND (10)	ND (50)	ND (10)	ND (10)
2-Hexanone	µg/L	ND (10)	ND (50)	ND (10)	ND (10)
2-Methylthiophene	µg/L	ND (10)	ND (50)	ND (10)	ND (10)
3-Methylthiophene	µg/L	ND (10)	ND (50)	ND (10)	ND (10)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	µg/L	ND (10)	ND (50)	ND (10)	ND (10)
Acetone	µg/L	ND (10)	18 J	29	ND (10)
Benzene	µg/L	ND (1.0)	ND (5.0)	ND (1.0)	ND (1.0)
Bromodichloromethane	µg/L	ND (5.0)	ND (25)	ND (5.0)	ND (5.0)
Bromoform	µg/L	ND (5.0)	ND (25)	ND (5.0)	ND (5.0)
Bromomethane (Methyl Bromide)	µg/L	ND (10)	ND (50)	ND (10)	ND (10)
Carbon disulfide	µg/L	ND (5.0)	ND (25)	ND (5.0)	ND (5.0)
Carbon tetrachloride	µg/L	ND (5.0)	ND (25)	ND (5.0)	ND (5.0)
Chlorobenzene	µg/L	ND (5.0)	ND (25)	ND (5.0)	ND (5.0)
Chloroethane	µg/L	ND (10)	ND (50)	ND (10)	ND (10)
Chloroform (Trichloromethane)	µg/L	ND (5.0)	ND (25)	ND (5.0)	ND (5.0)
Chloromethane (Methyl Chloride)	µg/L	ND (10)	ND (50)	ND (10)	ND (10)
cis-1,2-Dichloroethene	µg/L	ND (5.0)	ND (25)	ND (5.0)	ND (5.0)
cis-1,3-Dichloropropene	µg/L	ND (5.0)	ND (25)	ND (5.0)	ND (5.0)
Dibromochloromethane	µg/L	ND (5.0)	ND (25)	ND (5.0)	ND (5.0)
Ethyl Ether	µg/L	3.9 J	1000 J	ND (10)	ND (10)
Ethylbenzene	µg/L	ND (5.0)	ND (25)	ND (5.0)	ND (5.0)
m&p-Xylene	µg/L	ND (5.0)	ND (25)	ND (5.0)	ND (5.0)
Methylene chloride	µg/L	ND (5.0)	ND (25)	ND (5.0)	ND (5.0)
o-Xylene	µg/L	ND (5.0)	ND (25)	ND (5.0)	ND (5.0)
Styrene	µg/L	ND (5.0)	ND (25)	ND (5.0)	ND (5.0)
Tetrachloroethene	µg/L	ND (5.0)	ND (25)	ND (5.0)	ND (5.0)
Toluene	µg/L	ND (5.0)	ND (25)	ND (5.0)	ND (5.0)
trans-1,2-Dichloroethene	µg/L	ND (5.0)	ND (25)	ND (5.0)	ND (5.0)
trans-1,3-Dichloropropene	µg/L	ND (5.0)	ND (25)	ND (5.0)	ND (5.0)

Table 2

Analytical Results Summary
Semiannual Groundwater Monitoring
Eastman Kodak Company Sterling Site #3
East Greenbush, New York
October 2016

Sample Location:		MW-20B	MW-21B	MW-22B	MW-23B
Sample ID:		WG-007830-102116-BP-012	WG-007830-102116-BP-011	WG-007830-102016-BP-001	WG-007830-102116-BP-013
Sample Date:		10/21/2016	10/21/2016	10/20/2016	10/21/2016
Parameters	**Units**				
VOCs-Continued					
Trichloroethene	µg/L	ND (5.0)	ND (25)	ND (5.0)	ND (5.0)
Vinyl chloride	µg/L	ND (10)	ND (50)	ND (10)	ND (10)
TICs VOCs					
2-Ethenyl-naphthalene A	µg/L	-	-	-	-
Dichlorofluoromethane A	µg/L	-	-	-	-
Diethoxymethane A	µg/L	-	-	-	-
Diphenyl ether A	µg/L	-	-	-	-
Ethoxymethyl-benzene A	µg/L	-	-	-	-
Methane, chlorofluoro- A	µg/L	-	-	-	-
Tetrahydrofuran A	µg/L	-	-	-	-
Unknown 1	µg/L	-	-	-	-
Semi-volatiles Compounds (SVOCs)					
1,2,4-Trichlorobenzene	µg/L	ND (9.7)	ND (10)	ND (9.5)	ND (54)
1,2-Dichlorobenzene	µg/L	ND (9.7)	ND (10)	ND (9.5)	ND (54)
1,3-Dichlorobenzene	µg/L	ND (9.7)	ND (10)	ND (9.5)	ND (54)
1,4-Dichlorobenzene	µg/L	ND (9.7)	ND (10)	ND (9.5)	ND (54)
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	µg/L	ND (4.8)	ND (5.1)	ND (4.7)	ND (27)
2,4,5-Trichlorophenol	µg/L	ND (4.8)	ND (5.1)	ND (4.7)	ND (27)
2,4,6-Trichlorophenol	µg/L	ND (4.8)	ND (5.1)	ND (4.7)	ND (27)
2,4-Dichlorophenol	µg/L	ND (4.8)	ND (5.1)	ND (4.7)	ND (27)
2,4-Dimethylphenol	µg/L	ND (4.8)	ND (5.1)	ND (4.7)	ND (27)
2,4-Dinitrophenol	µg/L	ND (9.7)	ND (10)	ND (9.5)	ND (54)
2,4-Dinitrotoluene	µg/L	ND (4.8)	ND (5.1)	ND (4.7)	ND (27)
2,6-Dinitrotoluene	µg/L	ND (4.8)	ND (5.1)	ND (4.7)	ND (27)
2-Chloronaphthalene	µg/L	ND (4.8)	ND (5.1)	ND (4.7)	ND (27)
2-Chlorophenol	µg/L	ND (4.8)	ND (5.1)	ND (4.7)	ND (27)
2-Methylnaphthalene	µg/L	ND (4.8)	ND (5.1)	ND (4.7)	ND (27)
2-Methylphenol	µg/L	ND (4.8)	ND (5.1)	ND (4.7)	ND (27)
2-Nitroaniline	µg/L	ND (9.7)	ND (10)	ND (9.5)	ND (54)
2-Nitrophenol	µg/L	ND (4.8)	ND (5.1)	ND (4.7)	ND (27)
3,3'-Dichlorobenzidine	µg/L	ND (4.8)	ND (5.1)	ND (4.7)	ND (27)
3-Nitroaniline	µg/L	ND (9.7)	ND (10)	ND (9.5)	ND (54)
4,6-Dinitro-2-methylphenol	µg/L	ND (9.7)	ND (10)	ND (9.5)	ND (54)
4-Bromophenyl phenyl ether	µg/L	ND (4.8)	ND (5.1)	ND (4.7)	ND (27)

Table 2

Analytical Results Summary
Semiannual Groundwater Monitoring
Eastman Kodak Company Sterling Site #3
East Greenbush, New York
October 2016

Sample Location:		MW-20B	MW-21B	MW-22B	MW-23B
Sample ID:		WG-007830-102116-BP-012	WG-007830-102116-BP-011	WG-007830-102016-BP-001	WG-007830-102116-BP-013
Sample Date:		10/21/2016	10/21/2016	10/20/2016	10/21/2016
Parameters	**Units**				
SVOCs-Continued					
4-Chloro-3-methylphenol	µg/L	ND (4.8)	ND (5.1)	ND (4.7)	ND (27)
4-Chloroaniline	µg/L	ND (4.8)	ND (5.1)	ND (4.7)	ND (27)
4-Chlorophenyl phenyl ether	µg/L	ND (4.8)	ND (5.1)	ND (4.7)	ND (27)
4-Methylphenol	µg/L	ND (9.7)	ND (10)	ND (9.5)	ND (54)
4-Nitroaniline	µg/L	ND (9.7)	ND (10)	ND (9.5)	ND (54)
4-Nitrophenol	µg/L	ND (9.7)	ND (10)	ND (9.5)	ND (54)
Acenaphthene	µg/L	ND (4.8)	ND (5.1)	ND (4.7)	ND (27)
Acenaphthylene	µg/L	ND (4.8)	ND (5.1)	ND (4.7)	ND (27)
Anthracene	µg/L	ND (4.8)	ND (5.1)	ND (4.7)	ND (27)
Benzaldehyde	µg/L	ND (4.8)	ND (5.1)	ND (4.7)	ND (27)
Benzo(a)anthracene	µg/L	ND (4.8)	ND (5.1)	ND (4.7)	ND (27)
Benzo(a)pyrene	µg/L	ND (4.8)	ND (5.1)	ND (4.7)	ND (27)
Benzo(b)fluoranthene	µg/L	ND (4.8)	ND (5.1)	ND (4.7)	ND (27)
Benzo(g,h,i)perylene	µg/L	ND (4.8)	ND (5.1)	ND (4.7)	ND (27)
Benzo(k)fluoranthene	µg/L	ND (4.8)	ND (5.1)	ND (4.7)	ND (27)
bis(2-Chloroethoxy)methane	µg/L	ND (4.8)	ND (5.1)	ND (4.7)	ND (27)
bis(2-Chloroethyl)ether	µg/L	ND (4.8)	ND (5.1)	ND (4.7)	ND (27)
bis(2-Ethylhexyl)phthalate	µg/L	ND (4.8)	ND (5.1)	ND (4.7)	ND (27)
Butyl benzylphthalate	µg/L	ND (4.8)	ND (5.1)	ND (4.7)	ND (27)
Carbazole	µg/L	ND (4.8)	ND (5.1)	ND (4.7)	ND (27)
Chrysene	µg/L	ND (4.8)	ND (5.1)	ND (4.7)	ND (27)
Dibenz(a,h)anthracene	µg/L	ND (4.8)	ND (5.1)	ND (4.7)	ND (27)
Dibenzofuran	µg/L	ND (9.7)	ND (10)	ND (9.5)	ND (54)
Diethyl phthalate	µg/L	ND (4.8)	ND (5.1)	ND (4.7)	ND (27)
Dimethyl phthalate	µg/L	ND (4.8)	ND (5.1)	ND (4.7)	ND (27)
Di-n-butylphthalate	µg/L	ND (4.8)	ND (5.1)	ND (4.7)	ND (27)
Di-n-octyl phthalate	µg/L	ND (4.8)	ND (5.1)	ND (4.7)	ND (27)
Fluoranthene	µg/L	ND (4.8)	ND (5.1)	ND (4.7)	ND (27)
Fluorene	µg/L	ND (4.8)	ND (5.1)	ND (4.7)	ND (27)
Hexachlorobenzene	µg/L	ND (4.8)	ND (5.1)	ND (4.7)	ND (27)
Hexachlorobutadiene	µg/L	ND (4.8)	ND (5.1)	ND (4.7)	ND (27)
Hexachlorocyclopentadiene	µg/L	ND (4.8)	ND (5.1)	ND (4.7)	ND (27)
Hexachloroethane	µg/L	ND (4.8)	ND (5.1)	ND (4.7)	ND (27)
Indeno(1,2,3-cd)pyrene	µg/L	ND (4.8)	ND (5.1)	ND (4.7)	ND (27)
Isophorone	µg/L	ND (4.8)	ND (5.1)	ND (4.7)	ND (27)
Naphthalene	µg/L	ND (4.8)	ND (5.1)	ND (4.7)	ND (27)

Table 2

Analytical Results Summary
Semiannual Groundwater Monitoring
Eastman Kodak Company Sterling Site #3
East Greenbush, New York
October 2016

Sample Location:		MW-20B	MW-21B	MW-22B	MW-23B
Sample ID:		WG-007830-102116-BP-012	WG-007830-102116-BP-011	WG-007830-102016-BP-001	WG-007830-102116-BP-013
Sample Date:		10/21/2016	10/21/2016	10/20/2016	10/21/2016
Parameters	**Units**				
SVOCs-Continued					
Nitrobenzene	µg/L	ND (4.8)	ND (5.1)	ND (4.7)	ND (27)
N-Nitrosodi-n-propylamine	µg/L	ND (4.8)	ND (5.1)	ND (4.7)	ND (27)
N-Nitrosodiphenylamine	µg/L	ND (4.8)	ND (5.1)	ND (4.7)	ND (27)
Pentachlorophenol	µg/L	ND (9.7)	ND (10)	ND (9.5)	ND (54)
Phenanthrene	µg/L	ND (4.8)	ND (5.1)	ND (4.7)	ND (27)
Phenol	µg/L	ND (4.8)	ND (5.1)	ND (4.7)	ND (27)
Pyrene	µg/L	ND (4.8)	ND (5.1)	ND (4.7)	ND (27)
TIC SVOCs					
1,3,5-Tribromo-2-methoxy-benzene A	µg/L	-	-	-	-
2-Methyl-7-nonadecene A	µg/L	-	-	-	-
4-Hydroxy-butanoic acid A	µg/L	-	-	-	-
5-Chloroisatin A	µg/L	-	-	-	-
Aminopyrine A	µg/L	-	-	-	-
Benzenemethanamine, N,N-dimethyl A	µg/L	-	-	-	-
Benzyl Alcohol A	µg/L	-	9.5 TJN	-	-
bis(2-Chloroethoxy)ethane A	µg/L	-	-	-	-
Chlorobenzene A	µg/L	-	-	-	-
Chloroiodomethane A	µg/L	1.7 TJN	-	-	-
Cholestan-3-one A	µg/L	-	-	-	-
Cyclobarbitol A	µg/L	-	-	-	-
Cyclohexasiloxane, dodecamethyl- A	µg/L	-	-	-	-
Cyclohexyl isothiocyanate A	µg/L	-	-	-	-
Cyclopentasiloxane, decamethyl- A	µg/L	3.0 TJN	3.8 TJN	2.7 TJN	-
Cyclotetrasiloxane, octamethyl- A	µg/L	-	2.8 TJN	-	-
Cyclotetrasiloxane, octamethyl- B	µg/L	-	-	-	-
Diethyltoluamide A	µg/L	-	-	-	-
Diisopropylamine A	µg/L	-	-	-	-
Erucamide A	µg/L	5.6 TJN	-	-	-
Ethoxymethyl-benzene A	µg/L	-	-	-	-
Hexobarbital A	µg/L	-	-	-	-
Hexobarbital B	µg/L	-	-	-	-
Lidocaine A	µg/L	-	-	-	-
Mephobarbital A	µg/L	-	9.1 TJN	-	-
Mephobarbital B	µg/L	-	-	-	-
Mepivacaine A	µg/L	-	-	-	-

Analytical Results Summary
Semiannual Groundwater Monitoring
Eastman Kodak Company Sterling Site #3
East Greenbush, New York
October 2016

Sample Location:		MW-20B	MW-21B	MW-22B	MW-23B
Sample ID:		WG-007830-102116-BP-012	WG-007830-102116-BP-011	WG-007830-102016-BP-001	WG-007830-102116-BP-013
Sample Date:		10/21/2016	10/21/2016	10/20/2016	10/21/2016
Parameters	**Units**				
TIC SVOCs					
Noramidopyrine A	µg/L	-	14 TJN	-	-
Pentazocine A	µg/L	-	-	-	-
Phenobarbital A	µg/L	-	12 TJN	4.0 TJN	-
Phenobarbital B	µg/L	-	-	-	-
Phenobarbital di-methyl derivative A	µg/L	-	-	-	-
Phenobarbital di-methyl derivative B	µg/L	-	-	-	-
p-Xylene A	µg/L	-	-	-	-
Pyrimidinetrione, 5-ethyl-1,3-dimethyl-5-phenyl- A	µg/L	-	-	-	-
Talbutal A	µg/L	-	27 TJN	-	-
Talbutal B	µg/L	-	-	-	-
Toluene A	µg/L	-	-	-	-
Triethylamine A	µg/L	-	9.2 TJN	-	-
Triethylamine B	µg/L	-	-	-	-
Unknown 1	µg/L	2.8 TJ	38 TJ	1.6 TJ	28 TJ
Unknown 2	µg/L	2.2 TJ	3.3 TJ	24 TJ	9.9 TJ
Unknown 3	µg/L	34 TJ	6.4 TJ	2.5 TJ	-
Unknown 4	µg/L	-	6.1 TJ	1.9 TJ	-
Unknown 5	µg/L	-	8.0 TJ	5.0 TJ	-
Unknown 6	µg/L	-	25 TJ	2.0 TJ	-
Unknown 7	µg/L	-	3.5 TJ	3.3 TJ	-
Unknown 8	µg/L	-	3.6 TJ	1.7 TJ	-
Unknown 9	µg/L	-	12 TJ	4.6 TJ	-
Unknown 10	µg/L	-	25 TJ	1.5 TJ	-
Unknown 11	µg/L	-	5.2 TJ	-	-
Unknown 12	µg/L	-	3.5 TJ	-	-
Unknown 13	µg/L	-	-	-	-

Analytical Results Summary
Semiannual Groundwater Monitoring
Eastman Kodak Company Sterling Site #3
East Greenbush, New York
October 2016

Sample Location:		MW-24B	MW-25	MW-26	PZ-2A
Sample ID:		WG-007830-102016-BP-002	WG-007830-102116-BP-015	WG-007830-102116-BP-016	WG-007830-102016-BP-006
Sample Date:		10/20/2016	10/21/2016	10/21/2016	10/20/2016
Parameters	**Units**				
Volatile Organic Compounds (VOCs)					
1,1,1-Trichloroethane	µg/L	ND (5.0)	ND (5.0)	ND (25)	ND (200)
1,1,2,2-Tetrachloroethane	µg/L	ND (5.0)	ND (5.0)	ND (25)	ND (200)
1,1,2-Trichloroethane	µg/L	ND (5.0)	ND (5.0)	ND (25)	ND (200)
1,1-Dichloroethane	µg/L	ND (5.0)	ND (5.0)	ND (25)	ND (200)
1,1-Dichloroethene	µg/L	ND (5.0)	ND (5.0)	ND (25)	ND (200)
1,2-Dichloroethane	µg/L	ND (5.0)	ND (5.0)	ND (25)	ND (200)
1,2-Dichloropropane	µg/L	ND (5.0)	ND (5.0)	ND (25)	ND (200)
2-Butanone (Methyl Ethyl Ketone)	µg/L	ND (10)	ND (10)	ND (50)	ND (400)
2-Hexanone	µg/L	ND (10)	ND (10)	ND (50)	ND (400)
2-Methylthiophene	µg/L	ND (10)	ND (10)	ND (50)	ND (400)
3-Methylthiophene	µg/L	ND (10)	0.58 J	ND (50)	ND (400)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	µg/L	ND (10)	ND (10)	ND (50)	ND (400)
Acetone	µg/L	ND (10)	ND (10)	ND (50)	ND (400)
Benzene	µg/L	ND (1.0)	400	ND (5.0)	ND (40)
Bromodichloromethane	µg/L	ND (5.0)	ND (5.0)	ND (25)	ND (200)
Bromoform	µg/L	ND (5.0)	ND (5.0)	ND (25)	ND (200)
Bromomethane (Methyl Bromide)	µg/L	ND (10)	ND (10)	ND (50)	ND (400)
Carbon disulfide	µg/L	ND (5.0)	ND (5.0)	ND (25)	ND (200)
Carbon tetrachloride	µg/L	ND (5.0)	ND (5.0)	ND (25)	ND (200)
Chlorobenzene	µg/L	ND (5.0)	1700 J	ND (25)	ND (200)
Chloroethane	µg/L	ND (10)	ND (10)	ND (50)	ND (400)
Chloroform (Trichloromethane)	µg/L	ND (5.0)	ND (5.0)	ND (25)	ND (200)
Chloromethane (Methyl Chloride)	µg/L	ND (10)	0.43 J	ND (50)	ND (400)
cis-1,2-Dichloroethene	µg/L	ND (5.0)	ND (5.0)	ND (25)	ND (200)
cis-1,3-Dichloropropene	µg/L	ND (5.0)	ND (5.0)	ND (25)	ND (200)
Dibromochloromethane	µg/L	ND (5.0)	ND (5.0)	ND (25)	ND (200)
Ethyl Ether	µg/L	ND (10)	41	130	2000
Ethylbenzene	µg/L	ND (5.0)	5.3	ND (25)	ND (200)
m&p-Xylene	µg/L	ND (5.0)	9.8	ND (25)	ND (200)
Methylene chloride	µg/L	ND (5.0)	ND (5.0)	ND (25)	ND (200)
o-Xylene	µg/L	ND (5.0)	ND (5.0)	ND (25)	ND (200)
Styrene	µg/L	ND (5.0)	ND (5.0)	ND (25)	ND (200)
Tetrachloroethene	µg/L	ND (5.0)	ND (5.0)	ND (25)	ND (200)
Toluene	µg/L	ND (5.0)	1.7 J	ND (25)	ND (200)
trans-1,2-Dichloroethene	µg/L	ND (5.0)	ND (5.0)	ND (25)	ND (200)
trans-1,3-Dichloropropene	µg/L	ND (5.0)	ND (5.0)	ND (25)	ND (200)

Analytical Results Summary
Semiannual Groundwater Monitoring
Eastman Kodak Company Sterling Site #3
East Greenbush, New York
October 2016

Sample Location:		MW-24B	MW-25	MW-26	PZ-2A
Sample ID:		WG-007830-102016-BP-002	WG-007830-102116-BP-015	WG-007830-102116-BP-016	WG-007830-102016-BP-006
Sample Date:		10/20/2016	10/21/2016	10/21/2016	10/20/2016
Parameters	**Units**				
VOCs-Continued					
Trichloroethene	µg/L	ND (5.0)	ND (5.0)	ND (25)	ND (200)
Vinyl chloride	µg/L	ND (10)	ND (10)	ND (50)	ND (400)
TICs VOCs					
2-Ethenyl-naphthalene A	µg/L	-	12 TJN	-	-
Dichlorofluoromethane A	µg/L	-	-	-	-
Diethoxymethane A	µg/L	-	8.2 TJN	-	-
Diphenyl ether A	µg/L	-	130 TJN	-	-
Ethoxymethyl-benzene A	µg/L	-	10 TJN	-	-
Methane, chlorofluoro- A	µg/L	-	-	-	-
Tetrahydrofuran A	µg/L	-	-	-	-
Unknown 1	µg/L	-	-	-	-
Semi-volatiles Compounds (SVOCs)					
1,2,4-Trichlorobenzene	µg/L	ND (15)	ND (96)	ND (9.8)	ND (9.3)
1,2-Dichlorobenzene	µg/L	ND (15)	ND (96)	ND (9.8)	ND (9.3)
1,3-Dichlorobenzene	µg/L	ND (15)	ND (96)	ND (9.8)	ND (9.3)
1,4-Dichlorobenzene	µg/L	ND (15)	ND (96)	ND (9.8)	ND (9.3)
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	µg/L	ND (7.3)	ND (48)	ND (4.9)	ND (4.6)
2,4,5-Trichlorophenol	µg/L	ND (7.3)	ND (48)	ND (4.9)	ND (4.6)
2,4,6-Trichlorophenol	µg/L	ND (7.3)	ND (48)	ND (4.9)	ND (4.6)
2,4-Dichlorophenol	µg/L	ND (7.3)	ND (48)	ND (4.9)	ND (4.6)
2,4-Dimethylphenol	µg/L	ND (7.3)	ND (48)	ND (4.9)	ND (4.6)
2,4-Dinitrophenol	µg/L	ND (15)	ND (96)	ND (9.8)	ND (9.3)
2,4-Dinitrotoluene	µg/L	ND (7.3)	ND (48)	ND (4.9)	ND (4.6)
2,6-Dinitrotoluene	µg/L	ND (7.3)	ND (48)	ND (4.9)	ND (4.6)
2-Chloronaphthalene	µg/L	ND (7.3)	ND (48)	ND (4.9)	ND (4.6)
2-Chlorophenol	µg/L	ND (7.3)	ND (48)	ND (4.9)	ND (4.6)
2-Methylnaphthalene	µg/L	ND (7.3)	ND (48)	ND (4.9)	ND (4.6)
2-Methylphenol	µg/L	ND (7.3)	ND (48)	ND (4.9)	ND (4.6)
2-Nitroaniline	µg/L	ND (15)	ND (96)	ND (9.8)	ND (9.3)
2-Nitrophenol	µg/L	ND (7.3)	ND (48)	ND (4.9)	ND (4.6)
3,3'-Dichlorobenzidine	µg/L	ND (7.3)	ND (48)	ND (4.9)	ND (4.6)
3-Nitroaniline	µg/L	ND (15)	ND (96)	ND (9.8)	ND (9.3)
4,6-Dinitro-2-methylphenol	µg/L	ND (15)	ND (96)	ND (9.8)	ND (9.3)
4-Bromophenyl phenyl ether	µg/L	ND (7.3)	ND (48)	ND (4.9)	ND (4.6)

Analytical Results Summary
Semiannual Groundwater Monitoring
Eastman Kodak Company Sterling Site #3
East Greenbush, New York
October 2016

Sample Location:		MW-24B	MW-25	MW-26	PZ-2A
Sample ID:		WG-007830-102016-BP-002	WG-007830-102116-BP-015	WG-007830-102116-BP-016	WG-007830-102016-BP-006
Sample Date:		10/20/2016	10/21/2016	10/21/2016	10/20/2016
Parameters	**Units**				
SVOCs-Continued					
4-Chloro-3-methylphenol	µg/L	ND (7.3)	ND (48)	ND (4.9)	ND (4.6)
4-Chloroaniline	µg/L	ND (7.3)	46 J	ND (4.9)	ND (4.6)
4-Chlorophenyl phenyl ether	µg/L	ND (7.3)	ND (48)	ND (4.9)	ND (4.6)
4-Methylphenol	µg/L	ND (15)	ND (96)	ND (9.8)	ND (9.3)
4-Nitroaniline	µg/L	ND (15)	ND (96)	ND (9.8)	ND (9.3)
4-Nitrophenol	µg/L	ND (15)	ND (96)	ND (9.8)	ND (9.3)
Acenaphthene	µg/L	ND (7.3)	ND (48)	ND (4.9)	ND (4.6)
Acenaphthylene	µg/L	ND (7.3)	ND (48)	ND (4.9)	ND (4.6)
Anthracene	µg/L	ND (7.3)	ND (48)	ND (4.9)	ND (4.6)
Benzaldehyde	µg/L	ND (7.3)	ND (48)	ND (4.9)	ND (4.6)
Benzo(a)anthracene	µg/L	ND (7.3)	ND (48)	ND (4.9)	ND (4.6)
Benzo(a)pyrene	µg/L	ND (7.3)	ND (48)	ND (4.9)	ND (4.6)
Benzo(b)fluoranthene	µg/L	ND (7.3)	ND (48)	ND (4.9)	ND (4.6)
Benzo(g,h,i)perylene	µg/L	ND (7.3)	ND (48)	ND (4.9)	ND (4.6)
Benzo(k)fluoranthene	µg/L	ND (7.3)	ND (48)	ND (4.9)	ND (4.6)
bis(2-Chloroethoxy)methane	µg/L	ND (7.3)	ND (48)	ND (4.9)	ND (4.6)
bis(2-Chloroethyl)ether	µg/L	ND (7.3)	ND (48)	ND (4.9)	ND (4.6)
bis(2-Ethylhexyl)phthalate	µg/L	ND (7.3)	ND (48)	ND (4.9)	ND (4.6)
Butyl benzylphthalate	µg/L	ND (7.3)	ND (48)	ND (4.9)	ND (4.6)
Carbazole	µg/L	ND (7.3)	ND (48)	ND (4.9)	ND (4.6)
Chrysene	µg/L	ND (7.3)	ND (48)	ND (4.9)	ND (4.6)
Dibenz(a,h)anthracene	µg/L	ND (7.3)	ND (48)	ND (4.9)	ND (4.6)
Dibenzofuran	µg/L	ND (15)	ND (96)	ND (9.8)	ND (9.3)
Diethyl phthalate	µg/L	ND (7.3)	ND (48)	0.33 J	ND (4.6)
Dimethyl phthalate	µg/L	ND (7.3)	ND (48)	ND (4.9)	ND (4.6)
Di-n-butylphthalate	µg/L	ND (7.3)	ND (48)	ND (4.9)	ND (4.6)
Di-n-octyl phthalate	µg/L	ND (7.3)	ND (48)	ND (4.9)	ND (4.6)
Fluoranthene	µg/L	ND (7.3)	ND (48)	ND (4.9)	ND (4.6)
Fluorene	µg/L	ND (7.3)	ND (48)	ND (4.9)	ND (4.6)
Hexachlorobenzene	µg/L	ND (7.3)	ND (48)	ND (4.9)	ND (4.6)
Hexachlorobutadiene	µg/L	ND (7.3)	ND (48)	ND (4.9)	ND (4.6)
Hexachlorocyclopentadiene	µg/L	ND (7.3)	ND (48)	ND (4.9)	ND (4.6)
Hexachloroethane	µg/L	ND (7.3)	ND (48)	ND (4.9)	ND (4.6)
Indeno(1,2,3-cd)pyrene	µg/L	ND (7.3)	ND (48)	ND (4.9)	ND (4.6)
Isophorone	µg/L	ND (7.3)	ND (48)	ND (4.9)	ND (4.6)
Naphthalene	µg/L	ND (7.3)	ND (48)	ND (4.9)	ND (4.6)

Table 2

Analytical Results Summary
Semiannual Groundwater Monitoring
Eastman Kodak Company Sterling Site #3
East Greenbush, New York
October 2016

Sample Location:		MW-24B	MW-25	MW-26	PZ-2A
Sample ID:		WG-007830-102016-BP-002	WG-007830-102116-BP-015	WG-007830-102116-BP-016	WG-007830-102016-BP-006
Sample Date:		10/20/2016	10/21/2016	10/21/2016	10/20/2016
Parameters	**Units**				
SVOCs-Continued					
Nitrobenzene	µg/L	ND (7.3)	ND (48)	ND (4.9)	ND (4.6)
N-Nitrosodi-n-propylamine	µg/L	ND (7.3)	ND (48)	ND (4.9)	ND (4.6)
N-Nitrosodiphenylamine	µg/L	ND (7.3)	ND (48)	ND (4.9)	ND (4.6)
Pentachlorophenol	µg/L	ND (15)	ND (96)	ND (9.8)	ND (9.3)
Phenanthrene	µg/L	ND (7.3)	ND (48)	ND (4.9)	ND (4.6)
Phenol	µg/L	ND (7.3)	34 J	ND (4.9)	ND (4.6)
Pyrene	µg/L	ND (7.3)	ND (48)	ND (4.9)	ND (4.6)
TIC SVOCs					
1,3,5-Tribromo-2-methoxy-benzene A	µg/L	-	-	-	-
2-Methyl-7-nonadecene A	µg/L	-	-	-	-
4-Hydroxy-butanoic acid A	µg/L	-	-	-	-
5-Chloroisatin A	µg/L	-	69 TJN	-	-
Aminopyrine A	µg/L	-	44 TJN	-	-
Benzenemethanamine, N,N-dimethyl A	µg/L	-	-	-	-
Benzyl Alcohol A	µg/L	-	-	-	-
bis(2-Chloroethoxy)ethane A	µg/L	-	-	-	-
Chlorobenzene A	µg/L	-	650 TJN	-	-
Chloroiodomethane A	µg/L	-	-	-	-
Cholestan-3-one A	µg/L	-	-	-	-
Cyclobarbitol A	µg/L	-	37 TJN	-	-
Cyclohexasiloxane, dodecamethyl- A	µg/L	2.5 TJN	-	-	-
Cyclohexyl isothiocyanate A	µg/L	-	-	2.4 TJN	-
Cyclopentasiloxane, decamethyl- A	µg/L	6.2 TJN	-	5.1 TJN	5.1 TJN
Cyclotetrasiloxane, octamethyl- A	µg/L	5.3 TJN	-	-	-
Cyclotetrasiloxane, octamethyl- B	µg/L	-	-	-	-
Diethyltoluamide A	µg/L	-	-	-	-
Diisopropylamine A	µg/L	-	-	-	-
Erucamide A	µg/L	-	-	-	-
Ethoxymethyl-benzene A	µg/L	-	63 TJN	-	-
Hexobarbital A	µg/L	-	190 TJN	2.8 TJN	26 TJN
Hexobarbital B	µg/L	-	-	-	-
Lidocaine A	µg/L	-	-	-	-
Mephobarbital A	µg/L	-	180 TJN	-	69 TJN
Mephobarbital B	µg/L	-	-	-	-
Mepivacaine A	µg/L	-	310 TJN	25 TJN	-

Analytical Results Summary
Semiannual Groundwater Monitoring
Eastman Kodak Company Sterling Site #3
East Greenbush, New York
October 2016

	Sample Location:	MW-24B	MW-25	MW-26	PZ-2A
	Sample ID:	WG-007830-102016-BP-002	WG-007830-102116-BP-015	WG-007830-102116-BP-016	WG-007830-102016-BP-006
	Sample Date:	10/20/2016	10/21/2016	10/21/2016	10/20/2016
Parameters	**Units**				
TIC SVOCs					
Noramidopyrine A	µg/L	-	-	-	-
Pentazocine A	µg/L	-	-	-	-
Phenobarbital A	µg/L	-	150 TJN	11 TJN	87 TJN
Phenobarbital B	µg/L	-	-	-	-
Phenobarbital di-methyl derivative A	µg/L	-	-	6.5 TJN	17 TJN
Phenobarbital di-methyl derivative B	µg/L	-	-	-	-
p-Xylene A	µg/L	-	-	-	-
Pyrimidinetrione, 5-ethyl-1,3-dimethyl-5-phenyl- A	µg/L	-	-	-	-
Talbutal A	µg/L	-	80 TJN	-	51 TJN
Talbutal B	µg/L	-	-	-	-
Toluene A	µg/L	-	-	-	-
Triethylamine A	µg/L	-	-	-	24 TJN
Triethylamine B	µg/L	-	-	-	-
Unknown 1	µg/L	2.7 TJ	110 TJ	3.2 TJ	4.3 TJ
Unknown 2	µg/L	46 TJ	61 TJ	3.3 TJ	13 TJ
Unknown 3	µg/L	3.7 TJ	140 TJ	1.6 TJ	28 TJ
Unknown 4	µg/L	-	35 TJ	8.2 TJ	4.1 TJ
Unknown 5	µg/L	-	54 TJ	6.1 TJ	24 TJ
Unknown 6	µg/L	-	35 TJ	3.4 TJ	3.3 TJ
Unknown 7	µg/L	-	81 TJ	2.1 TJ	3.5 TJ
Unknown 8	µg/L	-	240 TJ	31 TJ	52 TJ
Unknown 9	µg/L	-	52 TJ	1.6 TJ	8.2 TJ
Unknown 10	µg/L	-	150 TJ	6.1 TJ	3.3 TJ
Unknown 11	µg/L	-	-	1.6 TJ	5.2 TJ
Unknown 12	µg/L	-	-	4.0 TJ	5.3 TJ
Unknown 13	µg/L	-	-	-	9.1 TJ

Table 2

Analytical Results Summary
Semiannual Groundwater Monitoring
Eastman Kodak Company Sterling Site #3
East Greenbush, New York
October 2016

	Sample Location:	SW-1	SW-2
	Sample ID:	SW-007830-102116-BP-019	SW-007830-102116-BP-020
	Sample Date:	10/21/2016	10/21/2016
Parameters	**Units**		
Volatile Organic Compounds (VOCs)			
1,1,1-Trichloroethane	µg/L	ND (10)	ND (25)
1,1,2,2-Tetrachloroethane	µg/L	ND (10)	ND (25)
1,1,2-Trichloroethane	µg/L	ND (10)	ND (25)
1,1-Dichloroethane	µg/L	ND (10)	ND (25)
1,1-Dichloroethene	µg/L	ND (10)	ND (25)
1,2-Dichloroethane	µg/L	ND (10)	ND (25)
1,2-Dichloropropane	µg/L	ND (10)	ND (25)
2-Butanone (Methyl Ethyl Ketone)	µg/L	ND (20)	ND (50)
2-Hexanone	µg/L	ND (20)	ND (50)
2-Methylthiophene	µg/L	ND (20)	ND (50)
3-Methylthiophene	µg/L	ND (20)	ND (50)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	µg/L	ND (20)	ND (50)
Acetone	µg/L	17 J	15 J
Benzene	µg/L	ND (2.0)	ND (5.0)
Bromodichloromethane	µg/L	ND (10)	ND (25)
Bromoform	µg/L	ND (10)	ND (25)
Bromomethane (Methyl Bromide)	µg/L	ND (20)	ND (50)
Carbon disulfide	µg/L	ND (10)	ND (25)
Carbon tetrachloride	µg/L	ND (10)	ND (25)
Chlorobenzene	µg/L	ND (10)	ND (25)
Chloroethane	µg/L	ND (20)	ND (50)
Chloroform (Trichloromethane)	µg/L	ND (10)	ND (25)
Chloromethane (Methyl Chloride)	µg/L	ND (20)	ND (50)
cis-1,2-Dichloroethene	µg/L	ND (10)	ND (25)
cis-1,3-Dichloropropene	µg/L	ND (10)	ND (25)
Dibromochloromethane	µg/L	ND (10)	ND (25)
Ethyl Ether	µg/L	ND (20)	ND (50)
Ethylbenzene	µg/L	ND (10)	ND (25)
m&p-Xylene	µg/L	ND (10)	ND (25)
Methylene chloride	µg/L	ND (10)	ND (25)
o-Xylene	µg/L	ND (10)	ND (25)
Styrene	µg/L	ND (10)	ND (25)
Tetrachloroethene	µg/L	ND (10)	ND (25)
Toluene	µg/L	ND (10)	ND (25)
trans-1,2-Dichloroethene	µg/L	ND (10)	ND (25)
trans-1,3-Dichloropropene	µg/L	ND (10)	ND (25)

Analytical Results Summary
Semiannual Groundwater Monitoring
Eastman Kodak Company Sterling Site #3
East Greenbush, New York
October 2016

	Sample Location:	SW-1	SW-2
	Sample ID:	SW-007830-102116-BP-019	SW-007830-102116-BP-020
	Sample Date:	10/21/2016	10/21/2016
Parameters	**Units**		
VOCs-Continued			
Trichloroethene	µg/L	ND (10)	ND (25)
Vinyl chloride	µg/L	ND (20)	ND (50)
TICs VOCs			
2-Ethenyl-naphthalene A	µg/L	-	-
Dichlorofluoromethane A	µg/L	-	-
Diethoxymethane A	µg/L	-	-
Diphenyl ether A	µg/L	-	-
Ethoxymethyl-benzene A	µg/L	-	-
Methane, chlorofluoro- A	µg/L	-	-
Tetrahydrofuran A	µg/L	-	-
Unknown 1	µg/L	-	-
Semi-volatiles Compounds (SVOCs)			
1,2,4-Trichlorobenzene	µg/L	ND (100)	ND (100)
1,2-Dichlorobenzene	µg/L	ND (100)	ND (100)
1,3-Dichlorobenzene	µg/L	ND (100)	ND (100)
1,4-Dichlorobenzene	µg/L	ND (100)	ND (100)
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	µg/L	ND (52)	ND (51)
2,4,5-Trichlorophenol	µg/L	ND (52)	ND (51)
2,4,6-Trichlorophenol	µg/L	ND (52)	ND (51)
2,4-Dichlorophenol	µg/L	ND (52)	ND (51)
2,4-Dimethylphenol	µg/L	ND (52)	ND (51)
2,4-Dinitrophenol	µg/L	ND (100)	ND (100)
2,4-Dinitrotoluene	µg/L	ND (52)	ND (51)
2,6-Dinitrotoluene	µg/L	ND (52)	ND (51)
2-Chloronaphthalene	µg/L	ND (52)	ND (51)
2-Chlorophenol	µg/L	ND (52)	ND (51)
2-Methylnaphthalene	µg/L	ND (52)	ND (51)
2-Methylphenol	µg/L	ND (52)	ND (51)
2-Nitroaniline	µg/L	ND (100)	ND (100)
2-Nitrophenol	µg/L	ND (52)	ND (51)
3,3'-Dichlorobenzidine	µg/L	ND (52)	ND (51)
3-Nitroaniline	µg/L	ND (100)	ND (100)
4,6-Dinitro-2-methylphenol	µg/L	ND (100)	ND (100)
4-Bromophenyl phenyl ether	µg/L	ND (52)	ND (51)

Analytical Results Summary
Semiannual Groundwater Monitoring
Eastman Kodak Company Sterling Site #3
East Greenbush, New York
October 2016

	Sample Location:	SW-1	SW-2
	Sample ID:	SW-007830-102116-BP-019	SW-007830-102116-BP-020
	Sample Date:	10/21/2016	10/21/2016
Parameters	**Units**		
SVOCs-Continued			
4-Chloro-3-methylphenol	µg/L	ND (52)	ND (51)
4-Chloroaniline	µg/L	ND (52)	ND (51)
4-Chlorophenyl phenyl ether	µg/L	ND (52)	ND (51)
4-Methylphenol	µg/L	ND (100)	ND (100)
4-Nitroaniline	µg/L	ND (100)	ND (100)
4-Nitrophenol	µg/L	ND (100)	ND (100)
Acenaphthene	µg/L	ND (52)	ND (51)
Acenaphthylene	µg/L	ND (52)	ND (51)
Anthracene	µg/L	ND (52)	ND (51)
Benzaldehyde	µg/L	ND (52)	ND (51)
Benzo(a)anthracene	µg/L	ND (52)	ND (51)
Benzo(a)pyrene	µg/L	ND (52)	ND (51)
Benzo(b)fluoranthene	µg/L	ND (52)	5.7 J
Benzo(g,h,i)perylene	µg/L	ND (52)	ND (51)
Benzo(k)fluoranthene	µg/L	ND (52)	ND (51)
bis(2-Chloroethoxy)methane	µg/L	ND (52)	ND (51)
bis(2-Chloroethyl)ether	µg/L	ND (52)	ND (51)
bis(2-Ethylhexyl)phthalate	µg/L	ND (52)	ND (51)
Butyl benzylphthalate	µg/L	ND (52)	ND (51)
Carbazole	µg/L	ND (52)	ND (51)
Chrysene	µg/L	ND (52)	ND (51)
Dibenz(a,h)anthracene	µg/L	ND (52)	ND (51)
Dibenzofuran	µg/L	ND (100)	ND (100)
Diethyl phthalate	µg/L	ND (52)	ND (51)
Dimethyl phthalate	µg/L	ND (52)	ND (51)
Di-n-butylphthalate	µg/L	ND (52)	ND (51)
Di-n-octyl phthalate	µg/L	ND (52)	ND (51)
Fluoranthene	µg/L	ND (52)	6.5 J
Fluorene	µg/L	ND (52)	ND (51)
Hexachlorobenzene	µg/L	ND (52)	ND (51)
Hexachlorobutadiene	µg/L	ND (52)	ND (51)
Hexachlorocyclopentadiene	µg/L	ND (52)	ND (51)
Hexachloroethane	µg/L	ND (52)	ND (51)
Indeno(1,2,3-cd)pyrene	µg/L	ND (52)	ND (51)
Isophorone	µg/L	ND (52)	ND (51)
Naphthalene	µg/L	ND (52)	ND (51)

Analytical Results Summary
Semiannual Groundwater Monitoring
Eastman Kodak Company Sterling Site #3
East Greenbush, New York
October 2016

	Sample Location:	SW-1	SW-2
	Sample ID:	SW-007830-102116-BP-019	SW-007830-102116-BP-020
	Sample Date:	10/21/2016	10/21/2016
Parameters	**Units**		
SVOCs-Continued			
Nitrobenzene	µg/L	ND (52)	ND (51)
N-Nitrosodi-n-propylamine	µg/L	ND (52)	ND (51)
N-Nitrosodiphenylamine	µg/L	ND (52)	ND (51)
Pentachlorophenol	µg/L	ND (100)	ND (100)
Phenanthrene	µg/L	ND (52)	ND (51)
Phenol	µg/L	ND (52)	ND (51)
Pyrene	µg/L	ND (52)	5.0 J
TIC SVOCs			
1,3,5-Tribromo-2-methoxy-benzene A	µg/L	-	-
2-Methyl-7-nonadecene A	µg/L	-	-
4-Hydroxy-butanoic acid A	µg/L	-	-
5-Chloroisatin A	µg/L	-	-
Aminopyrine A	µg/L	-	-
Benzenemethanamine, N,N-dimethyl A	µg/L	-	-
Benzyl Alcohol A	µg/L	-	-
bis(2-Chloroethoxy)ethane A	µg/L	-	-
Chlorobenzene A	µg/L	-	-
Chloroiodomethane A	µg/L	-	-
Cholestan-3-one A	µg/L	-	-
Cyclobarbitol A	µg/L	-	-
Cyclohexasiloxane, dodecamethyl- A	µg/L	-	-
Cyclohexyl isothiocyanate A	µg/L	-	-
Cyclopentasiloxane, decamethyl- A	µg/L	-	-
Cyclotetrasiloxane, octamethyl- A	µg/L	-	-
Cyclotetrasiloxane, octamethyl- B	µg/L	-	-
Diethyltoluamide A	µg/L	-	-
Diisopropylamine A	µg/L	-	-
Erucamide A	µg/L	-	-
Ethoxymethyl-benzene A	µg/L	-	-
Hexobarbital A	µg/L	-	-
Hexobarbital B	µg/L	-	-
Lidocaine A	µg/L	-	-
Mephobarbital A	µg/L	-	-
Mephobarbital B	µg/L	-	-
Mepivacaine A	µg/L	-	-

Analytical Results Summary
Semiannual Groundwater Monitoring
Eastman Kodak Company Sterling Site #3
East Greenbush, New York
October 2016

	Sample Location:	SW-1	SW-2
	Sample ID:	SW-007830-102116-BP-019	SW-007830-102116-BP-020
	Sample Date:	10/21/2016	10/21/2016
Parameters	**Units**		
TIC SVOCs			
Noramidopyrine A	µg/L	-	-
Pentazocine A	µg/L	-	-
Phenobarbital A	µg/L	-	-
Phenobarbital B	µg/L	-	-
Phenobarbital di-methyl derivative A	µg/L	-	-
Phenobarbital di-methyl derivative B	µg/L	-	-
p-Xylene A	µg/L	-	-
Pyrimidinetrione, 5-ethyl-1,3-dimethyl-5-phenyl- A	µg/L	-	-
Talbutal A	µg/L	-	-
Talbutal B	µg/L	-	-
Toluene A	µg/L	-	-
Triethylamine A	µg/L	-	-
Triethylamine B	µg/L	-	-
Unknown 1	µg/L	39 TJ	44 TJ
Unknown 2	µg/L	25 TJ	29 TJ
Unknown 3	µg/L	17 TJ	27 TJ
Unknown 4	µg/L	25 TJ	-
Unknown 5	µg/L	21 TJ	-
Unknown 6	µg/L	22 TJ	-
Unknown 7	µg/L	-	-
Unknown 8	µg/L	-	-
Unknown 9	µg/L	-	-
Unknown 10	µg/L	-	-
Unknown 11	µg/L	-	-
Unknown 12	µg/L	-	-
Unknown 13	µg/L	-	-

Notes:

J - Estimated concentration
ND - Not detected at the associated reporting limit
TJN - Tentatively identified compound, estimated concentration
TJ - Tentatively identified compound, estimated concentration
TICs - Tentatively Identified Compounds
- - Not applicable

Table 3

Analytical Methods
Sample Collection and Analysis Summary
Semiannual Groundwater Monitoring
Eastman Kodak Company Sterling Site #3
East Greenbush, New York
October 2016

Parameter	Method	Matrix	Holding Time	
			Collection to Extraction (Days)	Collection or Extraction to Analysis (Days)
VOCs, SSPs, TICs	SW-846 8260B	Water	-	14
SVOCs, SSPs, TICs	SW-846 8260B	Water	7	40

Notes:

TCL - Target Compound List
VOCs - Volatile Organic Compounds
SVOCs - Semi-volatile Organic Compounds
TICs - Tentatively Identified Compounds
SSPs - Site-specific parameters
- - Not applicable

Method References:
SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition, 1986, with subsequent revisions

Table 4

Qualified Sample Results Due to Analyte Concentrations in the Method Blanks
Semiannual Groundwater Monitoring
Eastman Kodak Company Sterling Site #3
East Greenbush, New York
October 2016

Parameter	Analyte	Analysis Date (mm/dd/yyyy)	Blank Result *	Sample ID	Original Result	Qualified Result	Units
SVOCs	bis(2-Ethylhexyl)phthalate	10/24/2016	21.1	WG-007830-102016-BP-003	8.0	8.0 U	µg/L
				WG-007830-102016-BP-004	3.6 J	4.8 U	µg/L
				WG-007830-102016-BP-007	2.5 J	4.9 U	µg/L
				WG-007830-102116-BP-011	2.7 J	5.1 U	µg/L

Notes:

* - Blank result adjusted for sample factors where applicable
U - Not detected at the associated reporting limit
J - Estimated concentration
SVOCs - Semi-volatile Organic Compounds

Table 5

Qualified Sample Results Due to Outlying MS/MSD Results
Semiannual Groundwater Monitoring
Eastman Kodak Company Sterling Site #3
East Greenbush, New York
October 2016

Parameter	Sample ID	Analyte	MS % Recovery	MSD % Recovery	RPD (percent)	Control Limits % Recovery	Control Limits RPD	Qualified Result	Units
VOCs	WG-007830-102116-BP-015	Chlorobenzene	62	58	1	80 - 120	20	1700 J	µg/L
VOCs	WG-007830-102016-BP-004	Ethyl Ether	74	67	3	76 - 123	20	910 J	µg/L
VOCs	WG-007830-102116-BP-011	Ethyl Ether	56	58	1	76 - 123	20	1000 J	µg/L

Notes:

MS - Matrix Spike
MSD - Matrix Spike Duplicate
RPD - Relative Percent Difference
J - Estimated concentration
VOCs - Volatile Organic Compounds

Appendix E
Analytical Summary Tables

Table E.1

Summary of Groundwater Analytical Results - Plume Monitoring Wells - October 2016
Sterling Drug Site 3
East Greenbush, New York

Sample Location:		MW-4B	MW-7B	MW-8B	MW-10B	MW-11B	MW-14B	MW-20B	MW-22BR	MW-23B	MW-24B
Sample ID:		WG-007830-102416-BP-021	WG-007830-102016-BP-008	WG-007830-102016-BP-009	WG-007830-102016-BP-005	WG-007830-102116-BP-014	WG-007830-102116-BP-017	WG-007830-102116-BP-012	WG-007830-102016-BP-001	WG-007830-102116-BP-013	WG-007830-102016-BP-002
Sample Date:		10/24/2016	10/20/2016	10/20/2016	10/20/2016	10/21/2016	10/21/2016	10/21/2016	10/20/2016	10/21/2016	10/20/2016
		Upgradient	Perimeter	Perimeter	Perimeter	Perimeter	Perimeter	Perimeter	Perimeter	Perimeter	Perimeter
Parameters	**Units**										
Volatile Organic Compounds											
1,1,1-Trichloroethane	mg/L	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1,2,2-Tetrachloroethane	mg/L	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1,2-Trichloroethane	mg/L	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1-Dichloroethane	mg/L	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1-Dichloroethene	mg/L	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2-Dichloroethane	mg/L	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2-Dichloropropane	mg/L	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
2-Butanone (Methyl Ethyl Ketone	mg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
2-Hexanone	mg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
2-Methylthiophene	mg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
3-Methylthiophene	mg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone	mg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
Acetone	mg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	0.0037 J	ND (0.01)	0.029	ND (0.01)	ND (0.01)
Benzene	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Bromodichloromethane	mg/L	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Bromoform	mg/L	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Bromomethane (Methyl Bromide)	mg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
Carbon disulfide	mg/L	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	0.00044 J	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Carbon tetrachloride	mg/L	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Chlorobenzene	mg/L	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Chloroethane	mg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
Chloroform (Trichloromethane)	mg/L	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Chloromethane (Methyl Chloride	mg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
cis-1,2-Dichloroethene	mg/L	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
cis-1,3-Dichloropropene	mg/L	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Dibromochloromethane	mg/L	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Ethyl Ether	mg/L	ND (0.01)	ND (0.01)	0.03	0.032	0.00074 J	ND (0.01)	0.0039 J	ND (0.01)	ND (0.01)	ND (0.01)
Ethylbenzene	mg/L	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
m&p-Xylene	mg/L	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Methylene chloride	mg/L	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
o-Xylene	mg/L	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Styrene	mg/L	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Tetrachloroethene	mg/L	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Toluene	mg/L	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	0.0038 J	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
trans-1,2-Dichloroethene	mg/L	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
trans-1,3-Dichloropropene	mg/L	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Trichloroethene	mg/L	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Vinyl chloride	mg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
TIC Volatile Organic Compounds											
(Ethoxymethyl)-benzene A	mg/L	-	-	-	-	-	-	-	-	-	-
2-Ethenyl-naphthalene A	mg/L	-	-	-	-	-	-	-	-	-	-
Dichlorofluoromethane A	mg/L	-	-	-	-	-	-	-	-	-	-
Diethoxymethane A	mg/L	-	-	-	-	-	-	-	-	-	-
Diphenyl ether A	mg/L	-	-	-	-	-	0.0029 TJN	-	-	-	-
Methane, chlorofluoro- A	mg/L	-	-	-	-	-	-	-	-	-	-
Tetrahydrofuran A	mg/L	-	0.0079 TJN	-	-	-	-	-	-	-	-
Unknown 1	mg/L	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds											
1,2,4-Trichlorobenzene	mg/L	ND (0.0097)	ND (0.095)	ND (0.099)	ND (0.011)	ND (0.0096)	ND (0.052)	ND (0.0097)	ND (0.0095)	ND (0.054)	ND (0.015)
1,2-Dichlorobenzene	mg/L	ND (0.0097)	ND (0.095)	ND (0.099)	ND (0.011)	ND (0.0096)	ND (0.052)	ND (0.0097)	ND (0.0095)	ND (0.054)	ND (0.015)
1,3-Dichlorobenzene	mg/L	ND (0.0097)	ND (0.095)	ND (0.099)	ND (0.011)	ND (0.0096)	ND (0.052)	ND (0.0097)	ND (0.0095)	ND (0.054)	ND (0.015)
1,4-Dichlorobenzene	mg/L	ND (0.0097)	ND (0.095)	ND (0.099)	ND (0.011)	ND (0.0096)	ND (0.052)	ND (0.0097)	ND (0.0095)	ND (0.054)	ND (0.015)
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether	mg/L	ND (0.0048)	ND (0.048)	ND (0.049)	ND (0.0057)	ND (0.0048)	ND (0.026)	ND (0.0048)	ND (0.0047)	ND (0.027)	ND (0.0073)
2,4,5-Trichlorophenol	mg/L	ND (0.0048)	ND (0.048)	ND (0.049)	ND (0.0057)	ND (0.0048)	ND (0.026)	ND (0.0048)	ND (0.0047)	ND (0.027)	ND (0.0073)
2,4,6-Trichlorophenol	mg/L	ND (0.0048)	ND (0.048)	ND (0.049)	ND (0.0057)	ND (0.0048)	ND (0.026)	ND (0.0048)	ND (0.0047)	ND (0.027)	ND (0.0073)
2,4-Dichloropheno	mg/L	ND (0.0048)	ND (0.048)	ND (0.049)	ND (0.0057)	ND (0.0048)	ND (0.026)	ND (0.0048)	ND (0.0047)	ND (0.027)	ND (0.0073)
2,4-Dimethylpheno	mg/L	ND (0.0048)	ND (0.048)	ND (0.049)	ND (0.0057)	ND (0.0048)	ND (0.026)	ND (0.0048)	ND (0.0047)	ND (0.027)	ND (0.0073)
2,4-Dinitropheno	mg/L	ND (0.0097)	ND (0.095)	ND (0.099)	ND (0.011)	ND (0.0096)	ND (0.052)	ND (0.0097)	ND (0.0095)	ND (0.054)	ND (0.015)
2,4-Dinitrotoluene	mg/L	ND (0.0048)	ND (0.048)	ND (0.049)	ND (0.0057)	ND (0.0048)	ND (0.026)	ND (0.0048)	ND (0.0047)	ND (0.027)	ND (0.0073)
2,6-Dinitrotoluene	mg/L	ND (0.0048)	ND (0.048)	ND (0.049)	ND (0.0057)	ND (0.0048)	ND (0.026)	ND (0.0048)	ND (0.0047)	ND (0.027)	ND (0.0073)
2-Chloronaphthalene	mg/L	ND (0.0048)	ND (0.048)	ND (0.049)	ND (0.0057)	ND (0.0048)	ND (0.026)	ND (0.0048)	ND (0.0047)	ND (0.027)	ND (0.0073)
2-Chloropheno	mg/L	ND (0.0048)	ND (0.048)	ND (0.049)	ND (0.0057)	ND (0.0048)	ND (0.026)	ND (0.0048)	ND (0.0047)	ND (0.027)	ND (0.0073)
2-Methylnaphthalene	mg/L	ND (0.0048)	ND (0.048)	ND (0.049)	ND (0.0057)	ND (0.0048)	ND (0.026)	ND (0.0048)	ND (0.0047)	ND (0.027)	ND (0.0073)
2-Methylpheno	mg/L	ND (0.0048)	ND (0.048)	ND (0.049)	ND (0.0057)	ND (0.0048)	ND (0.026)	ND (0.0048)	ND (0.0047)	ND (0.027)	ND (0.0073)
2-Nitroaniline	mg/L	ND (0.0097)	ND (0.095)	ND (0.099)	ND (0.011)	ND (0.0096)	ND (0.052)	ND (0.0097)	ND (0.0095)	ND (0.054)	ND (0.015)
2-Nitrophenol	mg/L	ND (0.0048)	ND (0.048)	ND (0.049)	ND (0.0057)	ND (0.0048)	ND (0.026)	ND (0.0048)	ND (0.0047)	ND (0.027)	ND (0.0073)
3,3'-Dichlorobenzidine	mg/L	ND (0.0048)	ND (0.048)	ND (0.049)	ND (0.0057)	ND (0.0048)	ND (0.026)	ND (0.0048)	ND (0.0047)	ND (0.027)	ND (0.0073)
3-Nitroaniline	mg/L	ND (0.0097)	ND (0.095)	ND (0.099)	ND (0.011)	ND (0.0096)	ND (0.052)	ND (0.0097)	ND (0.0095)	ND (0.054)	ND (0.015)
4,6-Dinitro-2-methylpheno	mg/L	ND (0.0097)	ND (0.095)	ND (0.099)	ND (0.011)	ND (0.0096)	ND (0.052)	ND (0.0097)	ND (0.0095)	ND (0.054)	ND (0.015)
4-Bromophenyl phenyl ether	mg/L	ND (0.0048)	ND (0.048)	ND (0.049)	ND (0.0057)	ND (0.0048)	ND (0.026)	ND (0.0048)	ND (0.0047)	ND (0.027)	ND (0.0073)

Table E.1

Summary of Groundwater Analytical Results - Plume Monitoring Wells - October 2016
Sterling Drug Site 3
East Greenbush, New York

Sample Location:		MW-4B	MW-7B	MW-8B	MW-10B	MW-11B	MW-14B	MW-20B	MW-22BR	MW-23B	MW-24B
Sample ID:		WG-007830-102416-BP-021	WG-007830-102016-BP-008	WG-007830-102016-BP-009	WG-007830-102016-BP-005	WG-007830-102116-BP-014	WG-007830-102116-BP-017	WG-007830-102116-BP-012	WG-007830-102016-BP-001	WG-007830-102116-BP-013	WG-007830-102016-BP-002
Sample Date:		10/24/2016	10/20/2016	10/20/2016	10/20/2016	10/21/2016	10/21/2016	10/21/2016	10/20/2016	10/21/2016	10/20/2016
		Upgradient	Perimeter	Perimeter	Perimeter	Perimeter	Perimeter	Perimeter	Perimeter	Perimeter	Perimeter
Parameters	**Units**										
Semi-Volatile Organic Compounds (cont'd)											
4-Chloro-3-methylpheno	mg/L	ND (0.0048)	ND (0.048)	ND (0.049)	ND (0.0057)	ND (0.0048)	ND (0.026)	ND (0.0048)	ND (0.0047)	ND (0.027)	ND (0.0073)
4-Chloroaniline	mg/L	ND (0.0048)	ND (0.048)	ND (0.049)	ND (0.0057)	ND (0.0048)	ND (0.026)	ND (0.0048)	ND (0.0047)	ND (0.027)	ND (0.0073)
4-Chlorophenyl phenyl ethe	mg/L	ND (0.0048)	ND (0.048)	ND (0.049)	ND (0.0057)	ND (0.0048)	ND (0.026)	ND (0.0048)	ND (0.0047)	ND (0.027)	ND (0.0073)
4-Methylpheno	mg/L	ND (0.0097)	ND (0.095)	ND (0.099)	ND (0.011)	ND (0.0096)	ND (0.052)	ND (0.0097)	ND (0.0095)	ND (0.054)	ND (0.015)
4-Nitroaniline	mg/L	ND (0.0097)	ND (0.095)	ND (0.099)	ND (0.011)	ND (0.0096)	ND (0.052)	ND (0.0097)	ND (0.0095)	ND (0.054)	ND (0.015)
4-Nitrophenol	mg/L	ND (0.0097)	ND (0.095)	ND (0.099)	ND (0.011)	ND (0.0096)	ND (0.052)	ND (0.0097)	ND (0.0095)	ND (0.054)	ND (0.015)
Acenaphthene	mg/L	ND (0.0048)	ND (0.048)	ND (0.049)	ND (0.0057)	ND (0.0048)	ND (0.026)	ND (0.0048)	ND (0.0047)	ND (0.027)	ND (0.0073)
Acenaphthylene	mg/L	ND (0.0048)	ND (0.048)	ND (0.049)	ND (0.0057)	ND (0.0048)	ND (0.026)	ND (0.0048)	ND (0.0047)	ND (0.027)	ND (0.0073)
Anthracene	mg/L	ND (0.0048)	ND (0.048)	ND (0.049)	ND (0.0057)	ND (0.0048)	ND (0.026)	ND (0.0048)	ND (0.0047)	ND (0.027)	ND (0.0073)
Benzaldehyde	mg/L	ND (0.0048)	ND (0.048)	ND (0.049)	ND (0.0057)	ND (0.0048)	ND (0.026)	ND (0.0048)	ND (0.0047)	ND (0.027)	ND (0.0073)
Benzo(a)anthracene	mg/L	ND (0.0048)	ND (0.048)	ND (0.049)	ND (0.0057)	ND (0.0048)	ND (0.026)	ND (0.0048)	ND (0.0047)	ND (0.027)	ND (0.0073)
Benzo(a)pyrene	mg/L	ND (0.0048)	ND (0.048)	ND (0.049)	ND (0.0057)	ND (0.0048)	ND (0.026)	ND (0.0048)	ND (0.0047)	ND (0.027)	ND (0.0073)
Benzo(b)fluoranthene	mg/L	ND (0.0048)	ND (0.048)	ND (0.049)	ND (0.0057)	ND (0.0048)	ND (0.026)	ND (0.0048)	ND (0.0047)	ND (0.027)	ND (0.0073)
Benzo(g,h,i)perylene	mg/L	ND (0.0048)	ND (0.048)	ND (0.049)	ND (0.0057)	ND (0.0048)	ND (0.026)	ND (0.0048)	ND (0.0047)	ND (0.027)	ND (0.0073)
Benzo(k)fluoranthene	mg/L	ND (0.0048)	ND (0.048)	ND (0.049)	ND (0.0057)	ND (0.0048)	ND (0.026)	ND (0.0048)	ND (0.0047)	ND (0.027)	ND (0.0073)
bis(2-Chloroethoxy)methane	mg/L	ND (0.0048)	ND (0.048)	ND (0.049)	ND (0.0057)	ND (0.0048)	ND (0.026)	ND (0.0048)	ND (0.0047)	ND (0.027)	ND (0.0073)
bis(2-Chloroethyl)ether	mg/L	ND (0.0048)	ND (0.048)	ND (0.049)	ND (0.0057)	ND (0.0048)	ND (0.026)	ND (0.0048)	ND (0.0047)	ND (0.027)	ND (0.0073)
bis(2-Ethylhexyl)phthalate	mg/L	ND (0.0048)	ND (0.048)	0.14 J	ND (0.0057)	ND (0.0048)	ND (0.026)	ND (0.0048)	ND (0.0047)	ND (0.027)	ND (0.0073)
Butyl benzylphthalate	mg/L	ND (0.0048)	ND (0.048)	ND (0.049)	ND (0.0057)	ND (0.0048)	ND (0.026)	ND (0.0048)	ND (0.0047)	ND (0.027)	ND (0.0073)
Carbazole	mg/L	ND (0.0048)	ND (0.048)	ND (0.049)	ND (0.0057)	ND (0.0048)	ND (0.026)	ND (0.0048)	ND (0.0047)	ND (0.027)	ND (0.0073)
Chrysene	mg/L	ND (0.0048)	ND (0.048)	ND (0.049)	ND (0.0057)	ND (0.0048)	ND (0.026)	ND (0.0048)	ND (0.0047)	ND (0.027)	ND (0.0073)
Dibenz(a,h)anthracene	mg/L	ND (0.0048)	ND (0.048)	ND (0.049)	ND (0.0057)	ND (0.0048)	ND (0.026)	ND (0.0048)	ND (0.0047)	ND (0.027)	ND (0.0073)
Dibenzofuran	mg/L	ND (0.0097)	ND (0.095)	ND (0.099)	ND (0.011)	ND (0.0096)	ND (0.052)	ND (0.0097)	ND (0.0095)	ND (0.054)	ND (0.015)
Diethyl phthalate	mg/L	ND (0.0048)	ND (0.048)	ND (0.049)	ND (0.0057)	ND (0.0048)	ND (0.026)	ND (0.0048)	ND (0.0047)	ND (0.027)	ND (0.0073)
Dimethyl phthalate	mg/L	ND (0.0048)	ND (0.048)	ND (0.049)	ND (0.0057)	ND (0.0048)	ND (0.026)	ND (0.0048)	ND (0.0047)	ND (0.027)	ND (0.0073)
Di-n-butylphthalate	mg/L	ND (0.0048)	ND (0.048)	ND (0.049)	ND (0.0057)	ND (0.0048)	ND (0.026)	ND (0.0048)	ND (0.0047)	ND (0.027)	ND (0.0073)
Di-n-octyl phthalate	mg/L	ND (0.0048)	ND (0.048)	ND (0.049)	ND (0.0057)	ND (0.0048)	ND (0.026)	ND (0.0048)	ND (0.0047)	ND (0.027)	ND (0.0073)
Fluoranthene	mg/L	ND (0.0048)	ND (0.048)	ND (0.049)	ND (0.0057)	ND (0.0048)	ND (0.026)	ND (0.0048)	ND (0.0047)	ND (0.027)	ND (0.0073)
Fluorene	mg/L	ND (0.0048)	ND (0.048)	ND (0.049)	ND (0.0057)	ND (0.0048)	ND (0.026)	ND (0.0048)	ND (0.0047)	ND (0.027)	ND (0.0073)
Hexachlorobenzene	mg/L	ND (0.0048)	ND (0.048)	ND (0.049)	ND (0.0057)	ND (0.0048)	ND (0.026)	ND (0.0048)	ND (0.0047)	ND (0.027)	ND (0.0073)
Hexachlorobutadiene	mg/L	ND (0.0048)	ND (0.048)	ND (0.049)	ND (0.0057)	ND (0.0048)	ND (0.026)	ND (0.0048)	ND (0.0047)	ND (0.027)	ND (0.0073)
Hexachlorocyclopentadiene	mg/L	ND (0.0048)	ND (0.048)	ND (0.049)	ND (0.0057)	ND (0.0048)	ND (0.026)	ND (0.0048)	ND (0.0047)	ND (0.027)	ND (0.0073)
Hexachloroethane	mg/L	ND (0.0048)	ND (0.048)	ND (0.049)	ND (0.0057)	ND (0.0048)	ND (0.026)	ND (0.0048)	ND (0.0047)	ND (0.027)	ND (0.0073)
Indeno(1,2,3-cd)pyrene	mg/L	ND (0.0048)	ND (0.048)	ND (0.049)	ND (0.0057)	ND (0.0048)	ND (0.026)	ND (0.0048)	ND (0.0047)	ND (0.027)	ND (0.0073)
Isophorone	mg/L	ND (0.0048)	ND (0.048)	ND (0.049)	ND (0.0057)	ND (0.0048)	ND (0.026)	ND (0.0048)	ND (0.0047)	ND (0.027)	ND (0.0073)
Naphthalene	mg/L	ND (0.0048)	ND (0.048)	ND (0.049)	ND (0.0057)	ND (0.0048)	ND (0.026)	ND (0.0048)	ND (0.0047)	ND (0.027)	ND (0.0073)
Nitrobenzene	mg/L	ND (0.0048)	ND (0.048)	ND (0.049)	ND (0.0057)	ND (0.0048)	ND (0.026)	ND (0.0048)	ND (0.0047)	ND (0.027)	ND (0.0073)
N-Nitrosodi-n-propylamine	mg/L	ND (0.0048)	ND (0.048)	ND (0.049)	ND (0.0057)	ND (0.0048)	ND (0.026)	ND (0.0048)	ND (0.0047)	ND (0.027)	ND (0.0073)
N-Nitrosodiphenylamine	mg/L	ND (0.0048)	ND (0.048)	ND (0.049)	ND (0.0057)	ND (0.0048)	ND (0.026)	ND (0.0048)	ND (0.0047)	ND (0.027)	ND (0.0073)
Pentachloropheno	mg/L	ND (0.0097)	ND (0.095)	ND (0.099)	ND (0.011)	ND (0.0096)	ND (0.052)	ND (0.0097)	ND (0.0095)	ND (0.054)	ND (0.015)
Phenanthrene	mg/L	ND (0.0048)	ND (0.048)	ND (0.049)	ND (0.0057)	ND (0.0048)	ND (0.026)	ND (0.0048)	ND (0.0047)	ND (0.027)	ND (0.0073)
Phenol	mg/L	ND (0.0048)	ND (0.048)	ND (0.049)	ND (0.0057)	ND (0.0048)	ND (0.026)	ND (0.0048)	ND (0.0047)	ND (0.027)	ND (0.0073)
Pyrene	mg/L	ND (0.0048)	ND (0.048)	ND (0.049)	ND (0.0057)	ND (0.0048)	ND (0.026)	ND (0.0048)	ND (0.0047)	ND (0.027)	ND (0.0073)
TIC Semi-Volatile Organic Compounds											
(Ethoxymethyl)-benzene A	mg/L	-	-	-	-	-	-	-	-	-	-
1,3,5-Tribromo-2-methoxy-benzene A	mg/L	0.0024 TJN	-	-	-	-	-	-	-	-	-
2-Methyl-7-nonadecene A	mg/L	-	-	-	-	0.0027 TJN	-	-	-	-	-
4-Hydroxy-butanoic acid A	mg/L	-	-	-	-	-	-	-	-	-	-
5-Chloroisatin A	mg/L	-	-	-	-	-	-	-	-	-	-
Aminopyrine A	mg/L	-	-	-	-	-	-	-	-	-	-
Benzenemethanamine, N,N-dimethyl A	mg/L	-	-	-	-	-	-	-	-	-	-
Benzyl Alcohol A	mg/L	-	-	-	-	-	-	-	-	-	-
bis(2-Chloroethoxy)ethane A	mg/L	-	-	-	-	-	-	-	-	-	-
Chlorobenzene A	mg/L	-	-	-	-	-	-	-	-	-	-
Chloroiodomethane A	mg/L	-	-	-	-	-	-	0.0017 TJN	-	-	-
Cholestan-3-one A	mg/L	-	-	-	-	-	-	-	-	-	-
Cyclobarbitol A	mg/L	-	-	-	-	-	-	-	-	-	-
Cyclohexasiloxane, dodecamethyl- A	mg/L	-	-	-	-	0.002 TJN	-	-	-	-	0.0025 TJN
Cyclohexyl isothiocyanate A	mg/L	-	-	-	-	-	-	-	-	-	-
Cyclopentasiloxane, decamethyl- A	mg/L	0.002 TJN	-	-	0.0045 TJN	0.0036 TJN	-	0.003 TJN	0.0027 TJN	-	0.0062 TJN
Cyclotetrasiloxane, octamethyl- A	mg/L	-	-	-	0.0029 TJN	0.0026 TJN	-	-	-	-	0.0053 TJN
Cyclotetrasiloxane, octamethyl- B	mg/L	-	-	-	-	-	-	-	-	-	-
Diethyltoluamide A	mg/L	-	-	-	0.0046 TJN	-	-	-	-	-	-
Diisopropylamine A	mg/L	-	-	-	-	-	-	-	-	-	-
Erucamide A	mg/L	-	-	-	0.002 TJN	-	-	0.0056 TJN	-	-	-
Hexobarbital A	mg/L	-	-	-	-	-	-	-	-	-	-
Hexobarbital B	mg/L	-	-	-	-	-	-	-	-	-	-
Lidocaine A	mg/L	-	-	-	-	-	-	-	-	-	-
Mephobarbital A	mg/L	-	-	-	0.01 TJN	-	-	-	-	-	-
Mephobarbital B	mg/L	-	-	-	-	-	-	-	-	-	-
Mepivacaine A	mg/L	-	-	-	-	-	-	-	-	-	-

Table E.1

Summary of Groundwater Analytical Results - Plume Monitoring Wells - October 2016
Sterling Drug Site 3
East Greenbush, New York

Sample Location:		MW-4B	MW-7B	MW-8B	MW-10B	MW-11B	MW-14B	MW-20B	MW-22BR	MW-23B	MW-24B
Sample ID:		WG-007830-102416-BP-021	WG-007830-102016-BP-008	WG-007830-102016-BP-009	WG-007830-102016-BP-005	WG-007830-102116-BP-014	WG-007830-102116-BP-017	WG-007830-102116-BP-012	WG-007830-102016-BP-001	WG-007830-102116-BP-013	WG-007830-102016-BP-002
Sample Date:		10/24/2016	10/20/2016	10/20/2016	10/20/2016	10/21/2016	10/21/2016	10/21/2016	10/20/2016	10/21/2016	10/20/2016
		Upgradient	Perimeter	Perimeter	Perimeter	Perimeter	Perimeter	Perimeter	Perimeter	Perimeter	Perimeter
Parameters	**Units**										
TIC Semi-Volatile Organic Compounds (cont'd)											
Noramidopyrine A	mg/L	-	-	-	-	-	-	-	-	-	-
Pentazocine A	mg/L	-	-	-	-	-	-	-	-	-	-
Phenobarbital A	mg/L	-	0.036 TJN	0.017 TJN	0.0062 TJN	-	-	-	0.004 TJN	-	-
Phenobarbital B	mg/L	-	-	-	-	-	-	-	-	-	-
Phenobarbital di-methyl derivative A	mg/L	-	-	-	-	-	-	-	-	-	-
Phenobarbital di-methyl derivative B	mg/L	-	-	-	-	-	-	-	-	-	-
p-Xylene A	mg/L	0.014 TJN	-	-	-	-	-	-	-	-	-
Pyrimidinetrione, 5-ethyl-1,3-dimethyl-5-phenyl- A	mg/L	-	-	-	-	-	-	-	-	-	-
Talbutal A	mg/L	-	0.027 TJN	-	0.0022 TJN	-	-	-	-	-	-
Talbutal B	mg/L	-	-	-	-	-	-	-	-	-	-
Toluene A	mg/L	0.0023 TJN	-	-	-	-	-	-	-	-	-
Triethylamine A	mg/L	-	-	-	0.0048 TJN	-	-	-	-	-	-
Triethylamine B	mg/L	-	-	-	-	-	-	-	-	-	-
Unknown 1	mg/L	0.045 TJ	0.035 TJ	0.028 TJ	0.0022 TJ	0.034 TJ	0.03 TJ	0.0028 TJ	0.0016 TJ	0.028 TJ	0.0027 TJ
Unknown 2	mg/L	0.0029 TJ	0.019 TJ	0.06 TJ	0.007 TJ	0.002 TJ	0.038 TJ	0.0022 TJ	0.024 TJ	0.0099 TJ	0.046 TJ
Unknown 3	mg/L	0.0025 TJ	0.024 TJ	0.064 TJ	0.034 TJ	-	-	0.034 TJ	0.0025 TJ	-	0.0037 TJ
Unknown 4	mg/L	0.0056 TJ	-	0.055 TJ	0.0059 TJ	-	-	-	0.0019 TJ	-	-
Unknown 5	mg/L	0.0026 TJ	-	-	-	-	-	-	0.005 TJ	-	-
Unknown 6	mg/L	0.0035 TJ	-	-	-	-	-	-	0.002 TJ	-	-
Unknown 7	mg/L	0.0018 TJ	-	-	-	-	-	-	0.0033 TJ	-	-
Unknown 8	mg/L	-	-	-	-	-	-	-	0.0017 TJ	-	-
Unknown 9	mg/L	-	-	-	-	-	-	-	0.0046 TJ	-	-
Unknown 10	mg/L	-	-	-	-	-	-	-	0.0015 TJ	-	-
Unknown 11	mg/L	-	-	-	-	-	-	-	-	-	-
Unknown 12	mg/L	-	-	-	-	-	-	-	-	-	-
Unknown 13	mg/L	-	-	-	-	-	-	-	-	-	-

Notes:

J	Estimated concentration.
ND	Not detected at the associated reporting limit.
TJ	Estimated TIC.
TJN	Estimated TIC.
U	Not detected at the associated reporting limit.
-	Not applicable.
	Exceeds criterion
	TIC criteria are assumed to be UOC unless there are other specific criterion
	No criteria are applied to unknown TICs

Table E.1

Summary of Groundwater Analytical Results - Plume Monitoring Wells - October 2016
Sterling Drug Site 3
East Greenbush, New York

Sample Location:		MW-2S	MW-3SR2	MW-12B	MW-16B	MW-17B	MW-19B	MW-21B	PZ-2A	MW-25	MW-26
Sample ID:		WG-007830-102016-BP-004	WG-007830-102016-BP-010	WG-007830-102016-BP-007	WG-007830-102416-BP-022	WG-007830-102116-BP-018	WG-007830-102016-BP-003	WG-007830-102116-BP-011	WG-007830-102016-BP-006	WG-007830-102116-BP-015	WG-007830-102116-BP-016
Sample Date:		10/20/2016	10/20/2016	10/20/2016	10/24/2016	10/21/2016	10/20/2016	10/21/2016	10/20/2016	10/21/2016	10/21/2016
		Plume	Plume	Plume	Plume	Plume	Plume	Plume	Landfill	Shallow	Shallow
Parameters	**Units**										
Volatile Organic Compounds											
1,1,1-Trichloroethane	mg/L	ND (0.1)	ND (0.005)	ND (0.04)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.025)	ND (0.2)	ND (0.005)	ND (0.025)
1,1,2,2-Tetrachloroethane	mg/L	ND (0.1)	ND (0.005)	ND (0.04)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.025)	ND (0.2)	ND (0.005)	ND (0.025)
1,1,2-Trichloroethane	mg/L	ND (0.1)	ND (0.005)	ND (0.04)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.025)	ND (0.2)	ND (0.005)	ND (0.025)
1,1-Dichloroethane	mg/L	ND (0.1)	ND (0.005)	ND (0.04)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.025)	ND (0.2)	ND (0.005)	ND (0.025)
1,1-Dichloroethene	mg/L	ND (0.1)	ND (0.005)	ND (0.04)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.025)	ND (0.2)	ND (0.005)	ND (0.025)
1,2-Dichloroethane	mg/L	ND (0.1)	ND (0.005)	ND (0.04)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.025)	ND (0.2)	ND (0.005)	ND (0.025)
1,2-Dichloropropane	mg/L	ND (0.1)	ND (0.005)	ND (0.04)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.025)	ND (0.2)	ND (0.005)	ND (0.025)
2-Butanone (Methyl Ethyl Ketone	mg/L	ND (0.2)	ND (0.01)	ND (0.08)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.05)	ND (0.4)	ND (0.01)	ND (0.05)
2-Hexanone	mg/L	ND (0.2)	ND (0.01)	ND (0.08)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.05)	ND (0.4)	ND (0.01)	ND (0.05)
2-Methylthiophene	mg/L	ND (0.2)	ND (0.01)	ND (0.08)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.05)	ND (0.4)	ND (0.01)	ND (0.05)
3-Methylthiophene	mg/L	ND (0.2)	ND (0.01)	ND (0.08)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.05)	ND (0.4)	0.00058 J	ND (0.05)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone	mg/L	ND (0.2)	ND (0.01)	ND (0.08)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.05)	ND (0.4)	ND (0.01)	ND (0.05)
Acetone	mg/L	ND (0.2)	0.0034 J	ND (0.08)	0.0052 J	ND (0.01)	ND (0.01)	0.018 J	ND (0.4)	ND (0.01)	ND (0.05)
Benzene	mg/L	0.02	0.021	0.013	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.04)	0.4	ND (0.005)
Bromodichloromethane	mg/L	ND (0.1)	ND (0.005)	ND (0.04)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.025)	ND (0.2)	ND (0.005)	ND (0.025)
Bromoform	mg/L	ND (0.1)	ND (0.005)	ND (0.04)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.025)	ND (0.2)	ND (0.005)	ND (0.025)
Bromomethane (Methyl Bromide)	mg/L	ND (0.2)	ND (0.01)	ND (0.08)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.05)	ND (0.4)	ND (0.01)	ND (0.05)
Carbon disulfide	mg/L	ND (0.1)	ND (0.005)	ND (0.04)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.025)	ND (0.2)	ND (0.005)	ND (0.025)
Carbon tetrachloride	mg/L	ND (0.1)	ND (0.005)	ND (0.04)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.025)	ND (0.2)	ND (0.005)	ND (0.025)
Chlorobenzene	mg/L	ND (0.1)	0.002 J	ND (0.04)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.025)	ND (0.2)	1.7 J	ND (0.025)
Chloroethane	mg/L	ND (0.2)	ND (0.01)	ND (0.08)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.05)	ND (0.4)	ND (0.01)	ND (0.05)
Chloroform (Trichloromethane)	mg/L	ND (0.1)	0.0018 J	ND (0.04)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.025)	ND (0.2)	ND (0.005)	ND (0.025)
Chloromethane (Methyl Chloride	mg/L	ND (0.2)	ND (0.01)	ND (0.08)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.05)	ND (0.4)	0.00043 J	ND (0.05)
cis-1,2-Dichloroethene	mg/L	ND (0.1)	ND (0.005)	ND (0.04)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.025)	ND (0.2)	ND (0.005)	ND (0.025)
cis-1,3-Dichloropropene	mg/L	ND (0.1)	ND (0.005)	ND (0.04)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.025)	ND (0.2)	ND (0.005)	ND (0.025)
Dibromochloromethane	mg/L	ND (0.1)	ND (0.005)	ND (0.04)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.025)	ND (0.2)	ND (0.005)	ND (0.025)
Ethyl Ether	mg/L	0.91 J	0.23	0.03 J	0.094	1.5	0.055	1 J	2	0.041	0.13
Ethylbenzene	mg/L	ND (0.1)	ND (0.005)	ND (0.04)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.025)	ND (0.2)	0.0053	ND (0.025)
m&p-Xylene	mg/L	ND (0.1)	ND (0.005)	ND (0.04)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.025)	ND (0.2)	0.0098	ND (0.025)
Methylene chloride	mg/L	ND (0.1)	ND (0.005)	ND (0.04)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.025)	ND (0.2)	ND (0.005)	ND (0.025)
o-Xylene	mg/L	ND (0.1)	ND (0.005)	ND (0.04)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.025)	ND (0.2)	ND (0.005)	ND (0.025)
Styrene	mg/L	ND (0.1)	ND (0.005)	ND (0.04)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.025)	ND (0.2)	ND (0.005)	ND (0.025)
Tetrachloroethene	mg/L	ND (0.1)	ND (0.005)	ND (0.04)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.025)	ND (0.2)	ND (0.005)	ND (0.025)
Toluene	mg/L	ND (0.1)	ND (0.005)	ND (0.04)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.025)	ND (0.2)	0.0017 J	ND (0.025)
trans-1,2-Dichloroethene	mg/L	ND (0.1)	ND (0.005)	ND (0.04)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.025)	ND (0.2)	ND (0.005)	ND (0.025)
trans-1,3-Dichloropropene	mg/L	ND (0.1)	ND (0.005)	ND (0.04)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.025)	ND (0.2)	ND (0.005)	ND (0.025)
Trichloroethene	mg/L	ND (0.1)	ND (0.005)	ND (0.04)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.025)	ND (0.2)	ND (0.005)	ND (0.025)
Vinyl chloride	mg/L	ND (0.2)	ND (0.01)	ND (0.08)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.05)	ND (0.4)	ND (0.01)	ND (0.05)
TIC Volatile Organic Compounds											
(Ethoxymethyl)-benzene A	mg/L	-	0.012 TJN	-	-	-	-	-	-	0.01 TJN	-
2-Ethenyl-naphthalene A	mg/L	-	-	-	-	-	-	-	-	0.012 TJN	-
Dichlorofluoromethane A	mg/L	-	0.0042 TJN	-	-	-	-	-	-	-	-
Diethoxymethane A	mg/L	-	-	-	-	-	-	-	-	0.0082 TJN	-
Diphenyl ether A	mg/L	-	-	-	-	-	-	-	-	0.13 TJN	-
Methane, chlorofluoro- A	mg/L	-	0.0036 TJN	-	-	-	-	-	-	-	-
Tetrahydrofuran A	mg/L	-	-	-	-	-	-	-	-	-	-
Unknown 1	mg/L	-	-	6 TJ	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds											
1,2,4-Trichlorobenzene	mg/L	ND (0.0097)	ND (0.0097)	ND (0.0097)	ND (0.098)	ND (0.48)	ND (0.0093)	ND (0.01)	ND (0.0093)	ND (0.096)	ND (0.0098)
1,2-Dichlorobenzene	mg/L	ND (0.0097)	ND (0.0097)	ND (0.0097)	ND (0.098)	ND (0.48)	ND (0.0093)	ND (0.01)	ND (0.0093)	ND (0.096)	ND (0.0098)
1,3-Dichlorobenzene	mg/L	ND (0.0097)	ND (0.0097)	ND (0.0097)	ND (0.098)	ND (0.48)	ND (0.0093)	ND (0.01)	ND (0.0093)	ND (0.096)	ND (0.0098)
1,4-Dichlorobenzene	mg/L	ND (0.0097)	ND (0.0097)	ND (0.0097)	ND (0.098)	ND (0.48)	ND (0.0093)	ND (0.01)	ND (0.0093)	ND (0.096)	ND (0.0098)
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether	mg/L	ND (0.0048)	ND (0.0048)	ND (0.0049)	ND (0.049)	ND (0.24)	ND (0.0046)	ND (0.0051)	ND (0.0046)	ND (0.048)	ND (0.0049)
2,4,5-Trichlorophenol	mg/L	ND (0.0048)	ND (0.0048)	ND (0.0049)	ND (0.049)	ND (0.24)	ND (0.0046)	ND (0.0051)	ND (0.0046)	ND (0.048)	ND (0.0049)
2,4,6-Trichlorophenol	mg/L	ND (0.0048)	ND (0.0048)	ND (0.0049)	ND (0.049)	ND (0.24)	ND (0.0046)	ND (0.0051)	ND (0.0046)	ND (0.048)	ND (0.0049)
2,4-Dichloropheno	mg/L	ND (0.0048)	ND (0.0048)	ND (0.0049)	ND (0.049)	ND (0.24)	ND (0.0046)	ND (0.0051)	ND (0.0046)	ND (0.048)	ND (0.0049)
2,4-Dimethylpheno	mg/L	ND (0.0048)	ND (0.0048)	ND (0.0049)	ND (0.049)	ND (0.24)	ND (0.0046)	ND (0.0051)	ND (0.0046)	ND (0.048)	ND (0.0049)
2,4-Dinitropheno	mg/L	ND (0.0097)	ND (0.0097)	ND (0.0097)	ND (0.098)	ND (0.48)	ND (0.0093)	ND (0.01)	ND (0.0093)	ND (0.096)	ND (0.0098)
2,4-Dinitrotoluene	mg/L	ND (0.0048)	ND (0.0048)	ND (0.0049)	ND (0.049)	ND (0.24)	ND (0.0046)	ND (0.0051)	ND (0.0046)	ND (0.048)	ND (0.0049)
2,6-Dinitrotoluene	mg/L	ND (0.0048)	ND (0.0048)	ND (0.0049)	ND (0.049)	ND (0.24)	ND (0.0046)	ND (0.0051)	ND (0.0046)	ND (0.048)	ND (0.0049)
2-Chloronaphthalene	mg/L	ND (0.0048)	ND (0.0048)	ND (0.0049)	ND (0.049)	ND (0.24)	ND (0.0046)	ND (0.0051)	ND (0.0046)	ND (0.048)	ND (0.0049)
2-Chloropheno	mg/L	ND (0.0048)	ND (0.0048)	ND (0.0049)	ND (0.049)	ND (0.24)	ND (0.0046)	ND (0.0051)	ND (0.0046)	ND (0.048)	ND (0.0049)
2-Methylnaphthalene	mg/L	ND (0.0048)	ND (0.0048)	ND (0.0049)	ND (0.049)	ND (0.24)	ND (0.0046)	ND (0.0051)	ND (0.0046)	ND (0.048)	ND (0.0049)
2-Methylpheno	mg/L	ND (0.0048)	ND (0.0048)	ND (0.0049)	ND (0.049)	ND (0.24)	ND (0.0046)	ND (0.0051)	ND (0.0046)	ND (0.048)	ND (0.0049)
2-Nitroaniline	mg/L	ND (0.0097)	ND (0.0097)	ND (0.0097)	ND (0.098)	ND (0.48)	ND (0.0093)	ND (0.01)	ND (0.0093)	ND (0.096)	ND (0.0098)
2-Nitrophenol	mg/L	ND (0.0048)	ND (0.0048)	ND (0.0049)	ND (0.049)	ND (0.24)	ND (0.0046)	ND (0.0051)	ND (0.0046)	ND (0.048)	ND (0.0049)
3,3'-Dichlorobenzidine	mg/L	ND (0.0048)	ND (0.0048)	ND (0.0049)	ND (0.049)	ND (0.24)	ND (0.0046)	ND (0.0051)	ND (0.0046)	ND (0.048)	ND (0.0049)
3-Nitroaniline	mg/L	ND (0.0097)	ND (0.0097)	ND (0.0097)	ND (0.098)	ND (0.48)	ND (0.0093)	ND (0.01)	ND (0.0093)	ND (0.096)	ND (0.0098)
4,6-Dinitro-2-methylpheno	mg/L	ND (0.0097)	ND (0.0097)	ND (0.0097)	ND (0.098)	ND (0.48)	ND (0.0093)	ND (0.01)	ND (0.0093)	ND (0.096)	ND (0.0098)
4-Bromophenyl phenyl ether	mg/L	ND (0.0048)	ND (0.0048)	ND (0.0049)	ND (0.049)	ND (0.24)	ND (0.0046)	ND (0.0051)	ND (0.0046)	ND (0.048)	ND (0.0049)

Table E.1

Summary of Groundwater Analytical Results - Plume Monitoring Wells - October 2016
Sterling Drug Site 3
East Greenbush, New York

Sample Location:		MW-2S	MW-3SR2	MW-12B	MW-16B	MW-17B	MW-19B	MW-21B	PZ-2A	MW-25	MW-26
Sample ID:		WG-007830-102016-BP-004	WG-007830-102016-BP-010	WG-007830-102016-BP-007	WG-007830-102416-BP-022	WG-007830-102116-BP-018	WG-007830-102016-BP-003	WG-007830-102116-BP-011	WG-007830-102016-BP-006	WG-007830-102116-BP-015	WG-007830-102116-BP-016
Sample Date:		10/20/2016	10/20/2016	10/20/2016	10/24/2016	10/21/2016	10/20/2016	10/21/2016	10/20/2016	10/21/2016	10/21/2016
		Plume	Plume	Plume	Plume	Plume	Plume	Plume	Landfill	Shallow	Shallow
Parameters	**Units**										
Semi-Volatile Organic Compounds (cont'd)											
4-Chloro-3-methylpheno	mg/L	ND (0.0048)	ND (0.0048)	ND (0.0049)	ND (0.049)	ND (0.24)	ND (0.0046)	ND (0.0051)	ND (0.0046)	ND (0.048)	ND (0.0049)
4-Chloroaniline	mg/L	ND (0.0048)	ND (0.0048)	ND (0.0049)	ND (0.049)	ND (0.24)	ND (0.0046)	ND (0.0051)	ND (0.0046)	0.046 J	ND (0.0049)
4-Chlorophenyl phenyl ethe	mg/L	ND (0.0048)	ND (0.0048)	ND (0.0049)	ND (0.049)	ND (0.24)	ND (0.0046)	ND (0.0051)	ND (0.0046)	ND (0.048)	ND (0.0049)
4-Methylpheno	mg/L	ND (0.0097)	ND (0.0097)	ND (0.0097)	ND (0.098)	ND (0.48)	ND (0.0093)	ND (0.01)	ND (0.0093)	ND (0.096)	ND (0.0098)
4-Nitroaniline	mg/L	ND (0.0097)	ND (0.0097)	ND (0.0097)	ND (0.098)	ND (0.48)	ND (0.0093)	ND (0.01)	ND (0.0093)	ND (0.096)	ND (0.0098)
4-Nitrophenol	mg/L	ND (0.0097)	ND (0.0097)	ND (0.0097)	ND (0.098)	ND (0.48)	ND (0.0093)	ND (0.01)	ND (0.0093)	ND (0.096)	ND (0.0098)
Acenaphthene	mg/L	ND (0.0048)	ND (0.0048)	ND (0.0049)	ND (0.049)	ND (0.24)	ND (0.0046)	ND (0.0051)	ND (0.0046)	ND (0.048)	ND (0.0049)
Acenaphthylene	mg/L	ND (0.0048)	ND (0.0048)	ND (0.0049)	ND (0.049)	ND (0.24)	ND (0.0046)	ND (0.0051)	ND (0.0046)	ND (0.048)	ND (0.0049)
Anthracene	mg/L	ND (0.0048)	ND (0.0048)	ND (0.0049)	ND (0.049)	ND (0.24)	ND (0.0046)	ND (0.0051)	ND (0.0046)	ND (0.048)	ND (0.0049)
Benzaldehyde	mg/L	ND (0.0048)	ND (0.0048)	0.00035 J	ND (0.049)	ND (0.24)	ND (0.0046)	ND (0.0051)	ND (0.0046)	ND (0.048)	ND (0.0049)
Benzo(a)anthracene	mg/L	ND (0.0048)	ND (0.0048)	ND (0.0049)	ND (0.049)	ND (0.24)	ND (0.0046)	ND (0.0051)	ND (0.0046)	ND (0.048)	ND (0.0049)
Benzo(a)pyrene	mg/L	ND (0.0048)	ND (0.0048)	ND (0.0049)	ND (0.049)	ND (0.24)	ND (0.0046)	ND (0.0051)	ND (0.0046)	ND (0.048)	ND (0.0049)
Benzo(b)fluoranthene	mg/L	ND (0.0048)	ND (0.0048)	ND (0.0049)	ND (0.049)	ND (0.24)	ND (0.0046)	ND (0.0051)	ND (0.0046)	ND (0.048)	ND (0.0049)
Benzo(g,h,i)perylene	mg/L	ND (0.0048)	ND (0.0048)	ND (0.0049)	ND (0.049)	ND (0.24)	ND (0.0046)	ND (0.0051)	ND (0.0046)	ND (0.048)	ND (0.0049)
Benzo(k)fluoranthene	mg/L	ND (0.0048)	ND (0.0048)	ND (0.0049)	ND (0.049)	ND (0.24)	ND (0.0046)	ND (0.0051)	ND (0.0046)	ND (0.048)	ND (0.0049)
bis(2-Chloroethoxy)methane	mg/L	ND (0.0048)	ND (0.0048)	ND (0.0049)	ND (0.049)	ND (0.24)	ND (0.0046)	ND (0.0051)	ND (0.0046)	ND (0.048)	ND (0.0049)
bis(2-Chloroethyl)ether	mg/L	ND (0.0048)	ND (0.0048)	ND (0.0049)	ND (0.049)	ND (0.24)	ND (0.0046)	ND (0.0051)	ND (0.0046)	ND (0.048)	ND (0.0049)
bis(2-Ethylhexyl)phthalate	mg/L	ND (0.0048) U	ND (0.0048)	ND (0.0049) U	ND (0.049)	ND (0.24)	ND (0.0046)	ND (0.0051) U	ND (0.0046)	ND (0.048)	ND (0.0049)
Butyl benzylphthalate	mg/L	ND (0.0048)	ND (0.0048)	ND (0.0049)	ND (0.049)	ND (0.24)	ND (0.0046)	ND (0.0051)	ND (0.0046)	ND (0.048)	ND (0.0049)
Carbazole	mg/L	ND (0.0048)	ND (0.0048)	ND (0.0049)	ND (0.049)	ND (0.24)	ND (0.0046)	ND (0.0051)	ND (0.0046)	ND (0.048)	ND (0.0049)
Chrysene	mg/L	ND (0.0048)	ND (0.0048)	ND (0.0049)	ND (0.049)	ND (0.24)	ND (0.0046)	ND (0.0051)	ND (0.0046)	ND (0.048)	ND (0.0049)
Dibenz(a,h)anthracene	mg/L	ND (0.0048)	ND (0.0048)	ND (0.0049)	ND (0.049)	ND (0.24)	ND (0.0046)	ND (0.0051)	ND (0.0046)	ND (0.048)	ND (0.0049)
Dibenzofuran	mg/L	ND (0.0097)	ND (0.0097)	ND (0.0097)	ND (0.098)	ND (0.48)	ND (0.0093)	ND (0.01)	ND (0.0093)	ND (0.096)	ND (0.0098)
Diethyl phthalate	mg/L	ND (0.0048)	ND (0.0048)	0.0023 J	ND (0.049)	ND (0.24)	ND (0.0046)	ND (0.0051)	ND (0.0046)	ND (0.048)	0.00033 J
Dimethyl phthalate	mg/L	ND (0.0048)	ND (0.0048)	0.00058 J	ND (0.049)	ND (0.24)	ND (0.0046)	ND (0.0051)	ND (0.0046)	ND (0.048)	ND (0.0049)
Di-n-butylphthalate	mg/L	ND (0.0048)	ND (0.0048)	ND (0.0049)	ND (0.049)	ND (0.24)	ND (0.0046)	ND (0.0051)	ND (0.0046)	ND (0.048)	ND (0.0049)
Di-n-octyl phthalate	mg/L	ND (0.0048)	ND (0.0048)	ND (0.0049)	ND (0.049)	ND (0.24)	ND (0.0046)	ND (0.0051)	ND (0.0046)	ND (0.048)	ND (0.0049)
Fluoranthene	mg/L	ND (0.0048)	ND (0.0048)	ND (0.0049)	ND (0.049)	ND (0.24)	ND (0.0046)	ND (0.0051)	ND (0.0046)	ND (0.048)	ND (0.0049)
Fluorene	mg/L	ND (0.0048)	ND (0.0048)	ND (0.0049)	ND (0.049)	ND (0.24)	ND (0.0046)	ND (0.0051)	ND (0.0046)	ND (0.048)	ND (0.0049)
Hexachlorobenzene	mg/L	ND (0.0048)	ND (0.0048)	ND (0.0049)	ND (0.049)	ND (0.24)	ND (0.0046)	ND (0.0051)	ND (0.0046)	ND (0.048)	ND (0.0049)
Hexachlorobutadiene	mg/L	ND (0.0048)	ND (0.0048)	ND (0.0049)	ND (0.049)	ND (0.24)	ND (0.0046)	ND (0.0051)	ND (0.0046)	ND (0.048)	ND (0.0049)
Hexachlorocyclopentadiene	mg/L	ND (0.0048)	ND (0.0048)	ND (0.0049)	ND (0.049)	ND (0.24)	ND (0.0046)	ND (0.0051)	ND (0.0046)	ND (0.048)	ND (0.0049)
Hexachloroethane	mg/L	ND (0.0048)	ND (0.0048)	ND (0.0049)	ND (0.049)	ND (0.24)	ND (0.0046)	ND (0.0051)	ND (0.0046)	ND (0.048)	ND (0.0049)
Indeno(1,2,3-cd)pyrene	mg/L	ND (0.0048)	ND (0.0048)	ND (0.0049)	ND (0.049)	ND (0.24)	ND (0.0046)	ND (0.0051)	ND (0.0046)	ND (0.048)	ND (0.0049)
Isophorone	mg/L	ND (0.0048)	ND (0.0048)	ND (0.0049)	ND (0.049)	ND (0.24)	ND (0.0046)	ND (0.0051)	ND (0.0046)	ND (0.048)	ND (0.0049)
Naphthalene	mg/L	ND (0.0048)	ND (0.0048)	ND (0.0049)	ND (0.049)	ND (0.24)	ND (0.0046)	ND (0.0051)	ND (0.0046)	ND (0.048)	ND (0.0049)
Nitrobenzene	mg/L	ND (0.0048)	ND (0.0048)	ND (0.0049)	ND (0.049)	ND (0.24)	ND (0.0046)	ND (0.0051)	ND (0.0046)	ND (0.048)	ND (0.0049)
N-Nitrosodi-n-propylamine	mg/L	ND (0.0048)	ND (0.0048)	ND (0.0049)	ND (0.049)	ND (0.24)	ND (0.0046)	ND (0.0051)	ND (0.0046)	ND (0.048)	ND (0.0049)
N-Nitrosodiphenylamine	mg/L	ND (0.0048)	ND (0.0048)	ND (0.0049)	ND (0.049)	ND (0.24)	ND (0.0046)	ND (0.0051)	ND (0.0046)	ND (0.048)	ND (0.0049)
Pentachlorophenol	mg/L	ND (0.0097)	ND (0.0097)	ND (0.0097)	ND (0.098)	ND (0.48)	ND (0.0093)	ND (0.01)	ND (0.0093)	ND (0.096)	ND (0.0098)
Phenanthrene	mg/L	ND (0.0048)	ND (0.0048)	ND (0.0049)	ND (0.049)	ND (0.24)	ND (0.0046)	ND (0.0051)	ND (0.0046)	ND (0.048)	ND (0.0049)
Phenol	mg/L	ND (0.0048)	ND (0.0048)	ND (0.0049)	ND (0.049)	ND (0.24)	ND (0.0046)	ND (0.0051)	ND (0.0046)	0.034 J	ND (0.0049)
Pyrene	mg/L	ND (0.0048)	ND (0.0048)	ND (0.0049)	ND (0.049)	ND (0.24)	ND (0.0046)	ND (0.0051)	ND (0.0046)	ND (0.048)	ND (0.0049)
TIC Semi-Volatile Organic Compounds											
(Ethoxymethyl)-benzene A	mg/L	-	0.056 TJN	-	-	-	-	-	-	0.063 TJN	-
1,3,5-Tribromo-2-methoxy-benzene A	mg/L	-	-	-	-	-	-	-	-	-	-
2-Methyl-7-nonadecene A	mg/L	-	-	-	-	-	-	-	-	-	-
4-Hydroxy-butanoic acid A	mg/L	-	-	0.0053 TJN	-	-	-	-	-	-	-
5-Chloroisatin A	mg/L	-	-	-	-	-	-	-	-	0.069 TJN	-
Aminopyrine A	mg/L	0.0027 TJN	-	-	-	-	-	-	-	0.044 TJN	-
Benzenemethanamine, N,N-dimethyl A	mg/L	-	0.0091 TJN	-	-	-	-	-	-	-	-
Benzyl Alcohol A	mg/L	-	-	-	-	-	-	0.0095 TJN	-	-	-
bis(2-Chloroethoxy)ethane A	mg/L	-	0.0097 TJN	-	-	-	-	-	-	-	-
Chlorobenzene A	mg/L	-	-	-	-	-	-	-	-	0.65 TJN	-
Chloroiodomethane A	mg/L	-	-	-	0.09 TJN	-	0.0019 TJN	-	-	-	-
Cholestan-3-one A	mg/L	-	-	-	-	0.16 TJN	-	-	-	-	-
Cyclobarbitol A	mg/L	-	-	-	-	-	-	-	-	0.037 TJN	-
Cyclohexasiloxane, dodecamethyl- A	mg/L	-	-	-	-	-	-	-	-	-	-
Cyclohexyl isothiocyanate A	mg/L	-	-	-	-	-	-	-	-	-	0.0024 TJN
Cyclopentasiloxane, decamethyl- A	mg/L	0.004 TJN	-	0.0038 TJN	-	-	0.0028 TJN	0.0038 TJN	0.0051 TJN	-	0.0051 TJN
Cyclotetrasiloxane, octamethyl- A	mg/L	-	-	-	-	-	0.0016 TJN	0.0028 TJN	-	-	-
Cyclotetrasiloxane, octamethyl- B	mg/L	-	-	-	-	-	0.0017 TJN	-	-	-	-
Diethyltoluamide A	mg/L	-	-	-	-	-	-	-	-	-	-
Diisopropylamine A	mg/L	0.025 TJN	-	-	-	-	-	-	-	-	-
Erucamide A	mg/L	-	-	-	-	-	-	-	-	-	-
Hexobarbital A	mg/L	0.0093 TJN	0.0076 TJN	0.012 TJN	-	-	0.0037 TJN	-	0.026 TJN	0.19 TJN	0.0028 TJN
Hexobarbital B	mg/L	-	-	-	-	-	0.0042 TJN	-	-	-	-
Lidocaine A	mg/L	-	0.046 TJN	0.032 TJN	-	-	-	-	-	-	-
Mephobarbital A	mg/L	0.019 TJN	0.079 TJN	0.1 TJN	0.034 TJN	-	0.016 TJN	0.0091 TJN	0.069 TJN	0.18 TJN	-
Mephobarbital B	mg/L	-	-	-	-	-	0.018 TJN	-	-	-	-
Mepivacaine A	mg/L	-	0.033 TJN	-	-	-	-	-	-	0.31 TJN	0.025 TJN

Table E.1

Summary of Groundwater Analytical Results - Plume Monitoring Wells - October 2016
Sterling Drug Site 3
East Greenbush, New York

Sample Location:		MW-2S	MW-3SR2	MW-12B	MW-16B	MW-17B	MW-19B	MW-21B	PZ-2A	MW-25	MW-26
Sample ID:		WG-007830-102016-BP-004	WG-007830-102016-BP-010	WG-007830-102016-BP-007	WG-007830-102416-BP-022	WG-007830-102116-BP-018	WG-007830-102016-BP-003	WG-007830-102116-BP-011	WG-007830-102016-BP-006	WG-007830-102116-BP-015	WG-007830-102116-BP-016
Sample Date:		10/20/2016	10/20/2016	10/20/2016	10/24/2016	10/21/2016	10/20/2016	10/21/2016	10/20/2016	10/21/2016	10/21/2016
		Plume	Plume	Plume	Plume	Plume	Plume	Plume	Landfill	Shallow	Shallow
Parameters	**Units**										
TIC Semi-Volatile Organic Compounds (cont'd)											
Noramidopyrine A	mg/L	0.035 TJN	-	-	-	-	-	0.014 TJN	-	-	-
Pentazocine A	mg/L	-	0.0088 TJN	-	-	-	-	-	-	-	-
Phenobarbital A	mg/L	0.026 TJN	0.034 TJN	0.044 TJN	0.046 TJN	-	0.015 TJN	0.012 TJN	0.087 TJN	0.15 TJN	0.011 TJN
Phenobarbital B	mg/L	-	-	-	-	-	0.017 TJN	-	-	-	-
Phenobarbital di-methyl derivative A	mg/L	-	-	-	-	-	0.0031 TJN	-	0.017 TJN	-	0.0065 TJN
Phenobarbital di-methyl derivative B	mg/L	-	-	-	-	-	0.0035 TJN	-	-	-	-
p-Xylene A	mg/L	-	-	-	-	-	-	-	-	-	-
Pyrimidinetrione, 5-ethyl-1,3-dimethyl-5-phenyl- A	mg/L	0.0034 TJN	-	0.0065 TJN	-	-	-	-	-	-	-
Talbutal A	mg/L	0.019 TJN	0.035 TJN	-	0.023 TJN	-	0.0084 TJN	0.027 TJN	0.051 TJN	0.08 TJN	-
Talbutal B	mg/L	-	-	-	-	-	0.0091 TJN	-	-	-	-
Toluene A	mg/L	-	-	-	-	-	-	-	-	-	-
Triethylamine A	mg/L	-	0.029 TJN	0.012 TJN	-	-	0.013 TJN	0.0092 TJN	0.024 TJN	-	-
Triethylamine B	mg/L	-	-	-	-	-	0.0032 TJN	-	-	-	-
Unknown 1	mg/L	0.025 TJ	0.013 TJ	0.0087 TJ	0.024 TJ	0.65 TJ	0.023 TJ	0.038 TJ	0.0043 TJ	0.11 TJ	0.0032 TJ
Unknown 2	mg/L	0.0023 TJ	0.01 TJ	0.015 TJ	0.02 TJ	-	0.0018 TJ	0.0033 TJ	0.013 TJ	0.061 TJ	0.0033 TJ
Unknown 3	mg/L	0.0037 TJ	0.011 TJ	0.0029 TJ	0.057 TJ	-	0.0056 TJ	0.0064 TJ	0.028 TJ	0.14 TJ	0.0016 TJ
Unknown 4	mg/L	0.067 TJ	0.029 TJ	0.0095 TJ	-	-	0.0016 TJ	0.0061 TJ	0.0041 TJ	0.035 TJ	0.0082 TJ
Unknown 5	mg/L	0.0029 TJ	0.0075 TJ	0.03 TJ	-	-	0.0027 TJ	0.008 TJ	0.024 TJ	0.054 TJ	0.0061 TJ
Unknown 6	mg/L	0.0028 TJ	0.0073 TJ	0.0076 TJ	-	-	0.0029 TJ	0.025 TJ	0.0033 TJ	0.035 TJ	0.0034 TJ
Unknown 7	mg/L	0.015 TJ	0.0079 TJ	0.0026 TJ	-	-	0.045 TJ	0.0035 TJ	0.0035 TJ	0.081 TJ	0.0021 TJ
Unknown 8	mg/L	0.0032 TJ	0.0089 TJ	0.0046 TJ	-	-	0.0059 TJ	0.0036 TJ	0.052 TJ	0.24 TJ	0.031 TJ
Unknown 9	mg/L	0.0037 TJ	0.052 TJ	0.012 TJ	-	-	0.0018 TJ	0.012 TJ	0.0082 TJ	0.052 TJ	0.0016 TJ
Unknown 10	mg/L	0.0031 TJ	-	0.0026 TJ	-	-	0.0017 TJ	0.025 TJ	0.0033 TJ	0.15 TJ	0.0061 TJ
Unknown 11	mg/L	0.0022 TJ	-	0.0034 TJ	-	-	-	0.0052 TJ	0.0052 TJ	-	0.0016 TJ
Unknown 12	mg/L	-	-	0.0072 TJ	-	-	-	0.0035 TJ	0.0053 TJ	-	0.004 TJ
Unknown 13	mg/L	-	-	-	-	-	-	-	0.0091 TJ	-	-

Notes:

J	Estimated concentration.
ND	Not detected at the associated reporting limit.
TJ	Estimated TIC.
TJN	Estimated TIC.
U	Not detected at the associated reporting limit.
-	Not applicable.
	Exceeds criterion
	TIC criteria are assumed to be UOC unless there are other s
	No criteria are applied to unknown TICs

Summary of Surface Water Analytical Results - October 2016
Sterling Drug Site 3
East Greenbush, New York

Sample Location:		**SW-1**	**SW-2**
Sample ID:		**SW-007830-102116-BP-019**	**SW-007830-102116-BP-020**
Sample Date:		**10/21/2016**	**10/21/2016**
Parameters	**Units**		
Volatile Organic Compounds			
1,1,1-Trichloroethane	mg/L	ND (0.01)	ND (0.025)
1,1,2,2-Tetrachloroethane	mg/L	ND (0.01)	ND (0.025)
1,1,2-Trichloroethane	mg/L	ND (0.01)	ND (0.025)
1,1-Dichloroethane	mg/L	ND (0.01)	ND (0.025)
1,1-Dichloroethene	mg/L	ND (0.01)	ND (0.025)
1,2-Dichloroethane	mg/L	ND (0.01)	ND (0.025)
1,2-Dichloropropane	mg/L	ND (0.01)	ND (0.025)
2-Butanone (Methyl Ethyl Ketone)	mg/L	ND (0.02)	ND (0.05)
2-Hexanone	mg/L	ND (0.02)	ND (0.05)
2-Methylthiophene	mg/L	ND (0.02)	ND (0.05)
3-Methylthiophene	mg/L	ND (0.02)	ND (0.05)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	ND (0.02)	ND (0.05)
Acetone	mg/L	0.017 J	0.015 J
Benzene	mg/L	ND (0.002)	ND (0.005)
Bromodichloromethane	mg/L	ND (0.01)	ND (0.025)
Bromoform	mg/L	ND (0.01)	ND (0.025)
Bromomethane (Methyl Bromide)	mg/L	ND (0.02)	ND (0.05)
Carbon disulfide	mg/L	ND (0.01)	ND (0.025)
Carbon tetrachloride	mg/L	ND (0.01)	ND (0.025)
Chlorobenzene	mg/L	ND (0.01)	ND (0.025)
Chloroethane	mg/L	ND (0.02)	ND (0.05)
Chloroform (Trichloromethane)	mg/L	ND (0.01)	ND (0.025)
Chloromethane (Methyl Chloride)	mg/L	ND (0.02)	ND (0.05)
cis-1,2-Dichloroethene	mg/L	ND (0.01)	ND (0.025)
cis-1,3-Dichloropropene	mg/L	ND (0.01)	ND (0.025)
Dibromochloromethane	mg/L	ND (0.01)	ND (0.025)
Ethyl Ether	mg/L	ND (0.02)	ND (0.05)
Ethylbenzene	mg/L	ND (0.01)	ND (0.025)
m&p-Xylene	mg/L	ND (0.01)	ND (0.025)
Methylene chloride	mg/L	ND (0.01)	ND (0.025)
o-Xylene	mg/L	ND (0.01)	ND (0.025)
Styrene	mg/L	ND (0.01)	ND (0.025)
Tetrachloroethene	mg/L	ND (0.01)	ND (0.025)
Toluene	mg/L	ND (0.01)	ND (0.025)
trans-1,2-Dichloroethene	mg/L	ND (0.01)	ND (0.025)
trans-1,3-Dichloropropene	mg/L	ND (0.01)	ND (0.025)
Trichloroethene	mg/L	ND (0.01)	ND (0.025)
Vinyl chloride	mg/L	ND (0.02)	ND (0.05)
Semi-Volatile Organic Compounds			
1,2,4-Trichlorobenzene	mg/L	ND (0.1)	ND (0.1)
1,2-Dichlorobenzene	mg/L	ND (0.1)	ND (0.1)
1,3-Dichlorobenzene	mg/L	ND (0.1)	ND (0.1)
1,4-Dichlorobenzene	mg/L	ND (0.1)	ND (0.1)
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	mg/L	ND (0.052)	ND (0.051)
2,4,5-Trichlorophenol	mg/L	ND (0.052)	ND (0.051)
2,4,6-Trichlorophenol	mg/L	ND (0.052)	ND (0.051)
2,4-Dichlorophenol	mg/L	ND (0.052)	ND (0.051)
2,4-Dimethylphenol	mg/L	ND (0.052)	ND (0.051)
2,4-Dinitrophenol	mg/L	ND (0.1)	ND (0.1)
2,4-Dinitrotoluene	mg/L	ND (0.052)	ND (0.051)
2,6-Dinitrotoluene	mg/L	ND (0.052)	ND (0.051)
2-Chloronaphthalene	mg/L	ND (0.052)	ND (0.051)
2-Chlorophenol	mg/L	ND (0.052)	ND (0.051)
2-Methylnaphthalene	mg/L	ND (0.052)	ND (0.051)
2-Methylphenol	mg/L	ND (0.052)	ND (0.051)
2-Nitroaniline	mg/L	ND (0.1)	ND (0.1)
2-Nitrophenol	mg/L	ND (0.052)	ND (0.051)
3,3'-Dichlorobenzidine	mg/L	ND (0.052)	ND (0.051)
3-Nitroaniline	mg/L	ND (0.1)	ND (0.1)
4,6-Dinitro-2-methylphenol	mg/L	ND (0.1)	ND (0.1)
4-Bromophenyl phenyl ether	mg/L	ND (0.052)	ND (0.051)

Table E.2

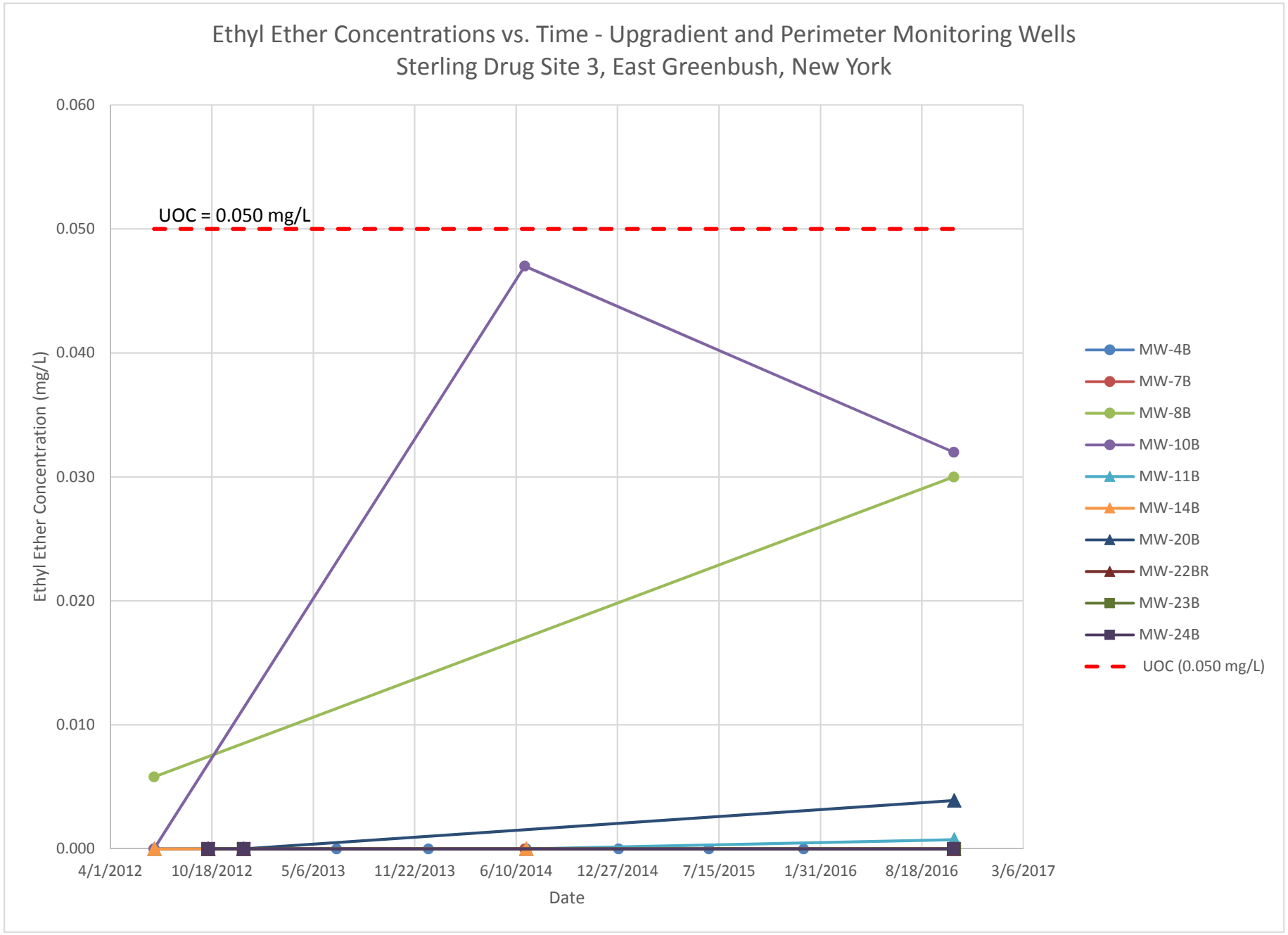
Summary of Surface Water Analytical Results - October 2016
Sterling Drug Site 3
East Greenbush, New York

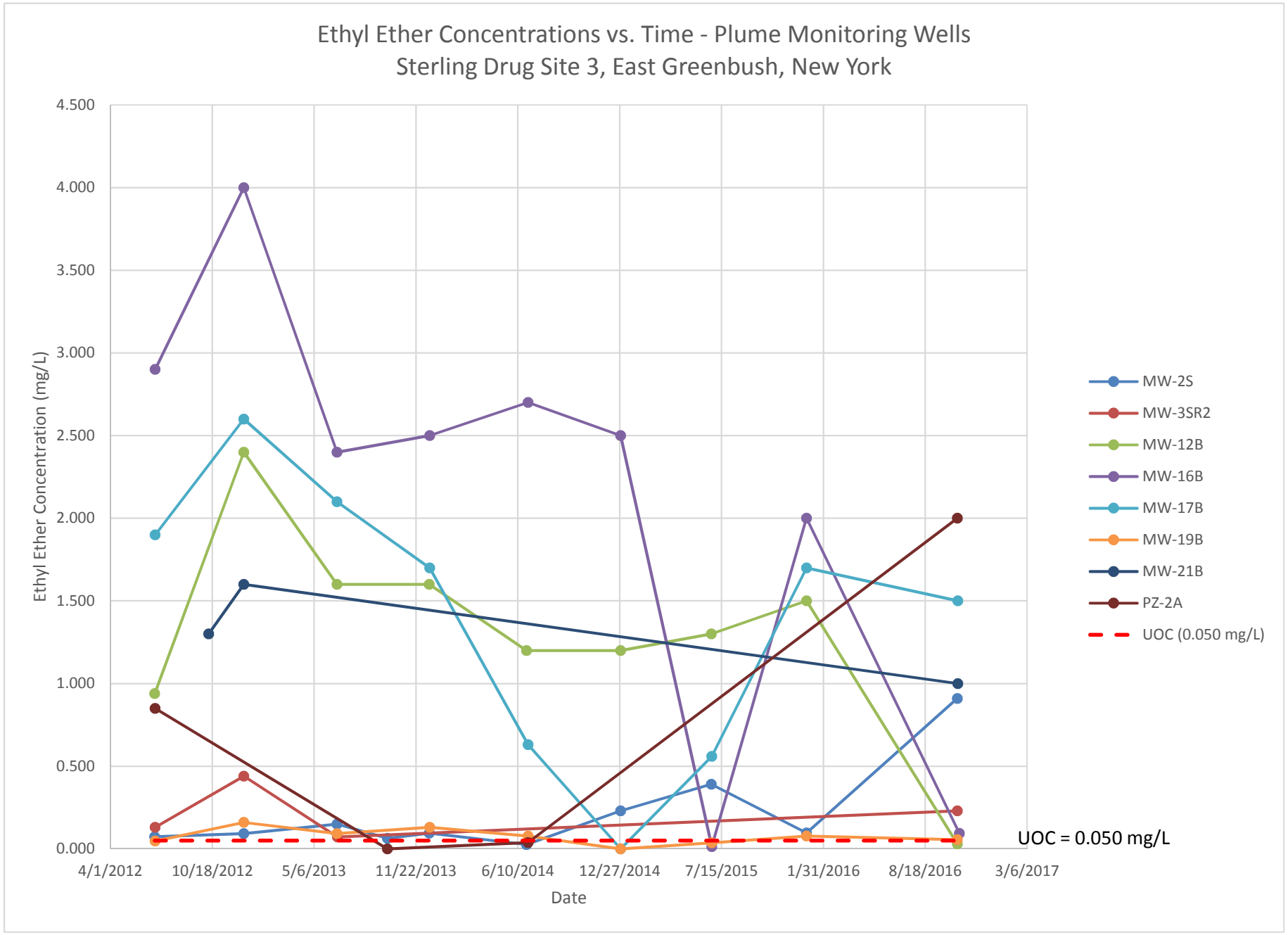
Sample Location:		**SW-1**	**SW-2**
Sample ID:		**SW-007830-102116-BP-019**	**SW-007830-102116-BP-020**
Sample Date:		**10/21/2016**	**10/21/2016**
Parameters	**Units**		
Semi-Volatile Organic Compounds (cont'd)			
4-Chloro-3-methylphenol	mg/L	ND (0.052)	ND (0.051)
4-Chloroaniline	mg/L	ND (0.052)	ND (0.051)
4-Chlorophenyl phenyl ether	mg/L	ND (0.052)	ND (0.051)
4-Methylphenol	mg/L	ND (0.1)	ND (0.1)
4-Nitroaniline	mg/L	ND (0.1)	ND (0.1)
4-Nitrophenol	mg/L	ND (0.1)	ND (0.1)
Acenaphthene	mg/L	ND (0.052)	ND (0.051)
Acenaphthylene	mg/L	ND (0.052)	ND (0.051)
Anthracene	mg/L	ND (0.052)	ND (0.051)
Benzaldehyde	mg/L	ND (0.052)	ND (0.051)
Benzo(a)anthracene	mg/L	ND (0.052)	ND (0.051)
Benzo(a)pyrene	mg/L	ND (0.052)	ND (0.051)
Benzo(b)fluoranthene	mg/L	ND (0.052)	0.0057 J
Benzo(g,h,i)perylene	mg/L	ND (0.052)	ND (0.051)
Benzo(k)fluoranthene	mg/L	ND (0.052)	ND (0.051)
bis(2-Chloroethoxy)methane	mg/L	ND (0.052)	ND (0.051)
bis(2-Chloroethyl)ether	mg/L	ND (0.052)	ND (0.051)
bis(2-Ethylhexyl)phthalate	mg/L	ND (0.052)	ND (0.051)
Butyl benzylphthalate	mg/L	ND (0.052)	ND (0.051)
Carbazole	mg/L	ND (0.052)	ND (0.051)
Chrysene	mg/L	ND (0.052)	ND (0.051)
Dibenz(a,h)anthracene	mg/L	ND (0.052)	ND (0.051)
Dibenzofuran	mg/L	ND (0.1)	ND (0.1)
Diethyl phthalate	mg/L	ND (0.052)	ND (0.051)
Dimethyl phthalate	mg/L	ND (0.052)	ND (0.051)
Di-n-butylphthalate	mg/L	ND (0.052)	ND (0.051)
Di-n-octyl phthalate	mg/L	ND (0.052)	ND (0.051)
Fluoranthene	mg/L	ND (0.052)	0.0065 J
Fluorene	mg/L	ND (0.052)	ND (0.051)
Hexachlorobenzene	mg/L	ND (0.052)	ND (0.051)
Hexachlorobutadiene	mg/L	ND (0.052)	ND (0.051)
Hexachlorocyclopentadiene	mg/L	ND (0.052)	ND (0.051)
Hexachloroethane	mg/L	ND (0.052)	ND (0.051)
Indeno(1,2,3-cd)pyrene	mg/L	ND (0.052)	ND (0.051)
Isophorone	mg/L	ND (0.052)	ND (0.051)
Naphthalene	mg/L	ND (0.052)	ND (0.051)
Nitrobenzene	mg/L	ND (0.052)	ND (0.051)
N-Nitrosodi-n-propylamine	mg/L	ND (0.052)	ND (0.051)
N-Nitrosodiphenylamine	mg/L	ND (0.052)	ND (0.051)
Pentachlorophenol	mg/L	ND (0.1)	ND (0.1)
Phenanthrene	mg/L	ND (0.052)	ND (0.051)
Phenol	mg/L	ND (0.052)	ND (0.051)
Pyrene	mg/L	ND (0.052)	0.005 J
TIC Semi-Volatile Organic Compounds			
Unknown 1	mg/L	0.039 TJ	0.044 TJ
Unknown 2	mg/L	0.025 TJ	0.029 TJ
Unknown 3	mg/L	0.017 TJ	0.027 TJ
Unknown 4	mg/L	0.025 TJ	-
Unknown 5	mg/L	0.021 TJ	-
Unknown 6	mg/L	0.022 TJ	-

Notes:

J	Estimated concentration.
ND	Not detected at the associated reporting limit.
TJ	Estimated TIC.
-	Not applicable.
	Exceeds criterion
	Results compared to Class C Surface Water criteria
	No criteria are applied to unknown TICs

Appendix F
Concentration versus Time Charts for Ethyl Ether


Ethyl Ether Concentrations vs. Time - Upgradient and Perimeter Monitoring Wells
Sterling Drug Site 3, East Greenbush, New York
UOC = 0.050 mg/L
Ethyl Ether Concentration (mg/L)
0.060
0.050
0.040
0.030
0.020
0.010
0.000
4/1/2012
10/18/2012
5/6/2013
11/22/2013
6/10/2014
12/27/2014
7/15/2015
1/31/2016
8/18/2016
3/6/2017
Date
MW-4B
MW-7B
MW-8B
MW-10B
MW-11B
MW-14B
MW-20B
MW-22BR
MW-23B
MW-24B
UOC (0.050 mg/L)


Ethyl Ether Concentrations vs. Time - Plume Monitoring Wells
Sterling Drug Site 3, East Greenbush, New York
Ethyl Ether Concentration (mg/L)
4.500
4.000
3.500
3.000
2.500
2.000
1.500
1.000
0.500
0.000
4/1/2012
10/18/2012
5/6/2013
11/22/2013
6/10/2014
12/27/2014
7/15/2015
1/31/2016
8/18/2016
3/6/2017
Date
MW-2S
MW-3SR2
MW-12B
MW-16B
MW-17B
MW-19B
MW-21B
PZ-2A
UOC (0.050 mg/L)
UOC = 0.050 mg/L

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