Appendices

Appendix A
2015 Institutional and Engineering Controls Certification Form

New York State Department of Environmental Conservation
Division of Environmental Remediation, 11th Floor
625 Broadway, Albany, New York 12233 **Phone:** (518) 402-9553 **Fax:** (518) 402-9577 **Website:** www.dec.ny.gov

Basil Seggos
Acting Commissioner

December 4, 2015

Joseph Branch Project Coordinator
OCC/Glenn Springs Holdings, Inc.
7601 Old Channel Trail
P.O. Box 146
Montaque, MI 49437

RE: Reminder Notice: Site Management Periodic Review Report and IC/EC Certification Submittal
Site Name: Love Canal
Site No.: 932020
Site Address: 805 97th Street
Niagara Falls, NY 14304

Dear Joseph Branch:

This letter serves as a reminder that sites in active Site Management (SM) require the submittal of a periodic progress report. This report, referred to as the Periodic Review Report (PRR), must document the implementation of and compliance with, site specific SM requirements. Section 6.3(b) of DER-10 *Technical Guidance for Site Investigation and Remediation* (available online at http://www.dec.ny.gov/regulations/67386.html) provides guidance regarding the information that must be included in the PRR. Further, if the site is comprised of multiple parcels, then you as the Certifying Party must arrange to submit one PRR for all parcels that comprise the site. The PRR must be received by the Department no later than **January 31, 2016**. Guidance on the content of a PRR is enclosed.

Site Management is defined in regulation (6 NYCRR 375-1.2(at)) and in Chapter 6 of DER-10. Depending on when the remedial program for your site was completed, SM may be governed by multiple documents (e.g., Operation, Maintenance, and Monitoring Plan; Soil Management Plan) or one comprehensive Site Management Plan.

A Site Management Plan (SMP) may contain one or all of the following elements, as applicable to the site: a plan to maintain institutional controls and/or engineering controls ("IC/EC Plan"); a plan for monitoring the performance and effectiveness of the selected remedy ("Monitoring Plan"); and/or a plan for the operation and maintenance of the selected remedy ("O&M Plan"). Additionally, the technical requirements for SM are stated in the decision document (e.g., Record of Decision) and, in some cases, the legal agreement directing the remediation of the site (e.g., order on consent, voluntary agreement, etc.).

When you submit the PRR (by the due date above), include the enclosed forms documenting that all SM requirements are being met. The Institutional Controls (ICs) portion of the form (Box 6) must be signed by you or your designated representative. The Engineering Controls (ECs) portion of the form (Box 7) must be signed by a Qualified Environmental Professional (QEP). If you cannot certify that all SM requirements are being met, you must submit a Corrective Measures Work Plan that identifies the actions to be taken to restore compliance. The work plan must include a schedule to be approved by the Department. The Periodic Review process will not be considered complete until all necessary corrective measures are completed and all required controls are certified. Instructions for completing the certifications are enclosed.

All site-related documents and data, including the PRR, are to be submitted in electronic format to the Department of Environmental Conservation. The Department will not approve the PRR unless all documents and data generated in support of that report have been submitted in accordance with the electronic submissions protocol. In addition, the certification forms are required to be submitted in both paper and electronic formats.

Information on the format of the data submissions can be found at:
http://www.dec.ny.gov/regulations/2586.html

The signed certification forms should be sent to Brian Sadowski, Project Manager, at the following address:

New York State Department of Environmental Conservation
270 Michigan Avenue Buffalo, NY 14203-2915

Phone number: 716-851-7220 E-mail: brian.sadowski@dec.ny.gov

The contact information above is also provided so that you may notify the project manager about upcoming inspections, or for any other questions or concerns that may arise in regard to the site.

Enclosures

PRR General Guidance
Certification Form Instructions
Certification Forms

ec: w/enclosures
Brian Sadowski, Project Manager
Greg Sutton, Hazardous Waste Remediation Engineer, Region 9
John Pentilchuk, GHD Group

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. 932020

Site Name Love Canal

Site Address: 805 97th Street Zip Code: 14304
City/Town: Niagara Falls
County: Niagara
Site Acreage: 70.0

Reporting Period: January 1, 2015 to December 31, 2015

	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?	☑	☐
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

Enclosure 1 Certification

Instructions

I. Verification of Site Details (Box 1 and Box 2):

Answer the three questions in the Verification of Site Details Section. The Owner and/or Qualified Environmental Professional (QEP) may include handwritten changes and/or other supporting documentation, as necessary.

II. Certification of Institutional / Engineering Controls (Boxes 3, 4, and 5)

Review the listed IC/ECs, confirming that all existing controls are listed, and that all existing controls are still applicable. If there is a control that is no longer applicable the Owner / Remedial Party should petition the Department separately to request approval to remove the control.

In Box 5, complete certifications for all Plan components, as applicable, by checking the corresponding checkbox.

If you cannot certify "YES" for each Control listed in Box 3 & Box 4, sign and date the form in Box 5. Attach supporting documentation that explains why the **Certification** cannot be rendered, as well as a plan of proposed corrective measures, and an associated schedule for completing the corrective measures. Note that this **Certification** form must be submitted even if an IC or EC cannot be certified; however, the certification process will not be considered complete until corrective action is completed.

If the Department concurs with the explanation, the proposed corrective measures, and the proposed schedule, a letter authorizing the implementation of those corrective measures will be issued by the Department's Project Manager. Once the corrective measures are complete, a new Periodic Review Report (with IC/EC Certification) must be submitted within 45 days to the Department. If the Department has any questions or concerns regarding the PRR and/or completion of the IC/EC Certification, the Project Manager will contact you.

III. IC/EC Certification by Signature (Box 6 and Box 7):

If you certified "YES" for each Control, please complete and sign the IC/EC Certifications page as follows:

- Where the only control is an Institutional Control on the use of the property, the certification statement in Box 6 shall be completed and may be made by the property owner.
- Where the site has Institutional <u>and</u> Engineering Controls, the certification statement in Box 7 must be completed by a Professional Engineer or Qualified Environmental Professional, as noted on the form.

SITE NO. 932020

Description of Engineering and Institutional Controls

Boxes 3 and 4

Parcel	Engineering Control	Institutional Control
232 Parcels	Cover System Fencing/Access Control Groundwater Containment Leachate Collection Pump & Treat	Building Use Restriction Ground Water Use Restriction Landuse Restriction Monitoring Plan O&M Plan
161.19-1-1		
161.57-1-1		
161.65-1-1		
161.73-1-1		
161.57-1-2		
161.65-1-2		
161.73-1-2		
161.57-1-3		
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161.14-3-11 161.18-1-18

Periodic Review Report (PRR) Certification Statements

Box 5

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 complete.

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. 932020

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 Joseph Branch at 7601 Old Channel Trail, Montague, MI 49437
print name print business address

am certifying as Remedial Party (Owner or Remedial Party)

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

Signature of Owner or Remedial Party Rendering Certification

1/28/2016
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, BUFFALO NY, 14202 (print business address)

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

STATE OF NEW YORK ★ ROBERT G. ADAMS ★ 064918 ★ LICENSED PROFESSIONAL ENGINEER

Robert G. Adams

Signature of Qualified Environmental Professional, for the Owner or Remedial Party, Rendering Certification

Stamp (Required for PE)

01/27/16

Date

Enclosure 3
Periodic Review Report (PRR) General Guidance

I. Executive Summary: (1/2-page or less)
   A. Provide a brief summary of site, nature and extent of contamination, and remedial history.
   B. Effectiveness of the Remedial Program - Provide overall conclusions regarding;
      1. progress made during the reporting period toward meeting the remedial objectives for the site
      2. the ultimate ability of the remedial program to achieve the remedial objectives for the site.
   C. Compliance
      1. Identify any areas of non-compliance regarding the major elements of the Site Management Plan (SMP, i.e., the Institutional/Engineering Control (IC/EC) Plan, the Monitoring Plan, and the Operation & Maintenance (O&M) Plan).
      2. Propose steps to be taken and a schedule to correct any areas of non-compliance.
   D. Recommendations
      1. recommend whether any changes to the SMP are needed
      2. recommend any changes to the frequency for submittal of PRRs (increase, decrease)
      3. recommend whether the requirements for discontinuing site management have been met.

II. Site Overview (one page or less)
   A. Describe the site location, boundaries (figure), significant features, surrounding area, and the nature and extent of contamination prior to site remediation.
   B. Describe the chronology of the main features of the remedial program for the site, the components of the selected remedy, cleanup goals, site closure criteria, and any significant changes to the selected remedy that have been made since remedy selection.

III. Evaluate Remedy Performance, Effectiveness, and Protectiveness
   Using tables, graphs, charts and bulleted text to the extent practicable, describe the effectiveness of the remedy in achieving the remedial goals for the site. Base findings, recommendations, and conclusions on objective data. Evaluations and should be presented simply and concisely.

IV. IC/EC Plan Compliance Report (if applicable)
   A. IC/EC Requirements and Compliance
      1. Describe each control, its objective, and how performance of the control is evaluated.
      2. Summarize the status of each goal (whether it is fully in place and its effectiveness).
      3. Corrective Measures: describe steps proposed to address any deficiencies in ICECs.
      4. Conclusions and recommendations for changes.
   B. IC/EC Certification
      1. The certification must be complete (even if there are IC/EC deficiencies), and certified by the appropriate party as set forth in a Department-approved certification form(s).

V. Monitoring Plan Compliance Report (if applicable)
   A. Components of the Monitoring Plan (tabular presentations preferred) - Describe the requirements of the monitoring plan by media (i.e., soil, groundwater, sediment, etc.) and by any remedial technologies being used at the site.
   B. Summary of Monitoring Completed During Reporting Period - Describe the monitoring tasks actually completed during this PRR reporting period. Tables and/or figures should be used to show all data.
   C. Comparisons with Remedial Objectives - Compare the results of all monitoring with the remedial objectives for the site. Include trend analyses where possible.
   D. Monitoring Deficiencies - Describe any ways in which monitoring did not fully comply with the monitoring plan.
   E. Conclusions and Recommendations for Changes - Provide overall conclusions regarding the monitoring completed and the resulting evaluations regarding remedial effectiveness.

VI. Operation & Maintenance (O&M) Plan Compliance Report (if applicable)
   A. Components of O&M Plan - Describe the requirements of the O&M plan including required activities, frequencies, recordkeeping, etc.
   B. Summary of O&M Completed During Reporting Period - Describe the O&M tasks actually completed during this PRR reporting period.
   C. Evaluation of Remedial Systems - Based upon the results of the O&M activities completed, evaluated the ability of each component of the remedy subject to O&M requirements to perform as

designed/expected.

D. O&M Deficiencies - Identify any deficiencies in complying with the O&M plan during this PRR reporting period.

E. Conclusions and Recommendations for Improvements - Provide an overall conclusion regarding O&M for the site and identify any suggested improvements requiring changes in the O&M Plan.

VII. Overall PRR Conclusions and Recommendations

A. Compliance with SMP - For each component of the SMP (i.e., IC/EC, monitoring, O&M), summarize;

1. whether all requirements of each plan were met during the reporting period
2. any requirements not met
3. proposed plans and a schedule for coming into full compliance.

B. Performance and Effectiveness of the Remedy - Based upon your evaluation of the components of the SMP, form conclusions about the performance of each component and the ability of the remedy to achieve the remedial objectives for the site.

C. Future PRR Submittals

1. Recommend, with supporting justification, whether the frequency of the submittal of PRRs should be changed (either increased or decreased).
2. If the requirements for site closure have been achieved, contact the Departments Project Manager for the site to determine what, if any, additional documentation is needed to support a decision to discontinue site management.

VIII. Additional Guidance

Additional guidance regarding the preparation and submittal of an acceptable PRR can be obtained from the Departments Project Manager for the site.

Appendix B
2015 Semiannual Inspection Forms

Glenn Springs Holdings, Inc.
A subsidiary of Occidental Petroleum

Love Canal Semi-Annual Barrier Drain Manhole Inspection

Date 10/7/2015

Sector	MH No.	Location	Water Y/N	Level Feet	Debris Y/N	Structure OK	Cleaning Y/N	Comments
North Colvin	MH-10A	NW	N	0	N	Y	N	
	MH-8A	NW	Y	0	N	Y	N	
	MH-6C	NW	Y	1"	Y	Y	N	Some built up sludge
	MH-6B	NW	Y	2"	Y	Y	N	Some built up sludge
	MH-6A	NW	Y	2"	Y	Y	N	Some built up sludge
	PC-2A	NW	Y	1.5'	N	Y	N	
	MH-4A	NW	Y	1"	N	Y	N	
	MH-2A	NW	Y	1"	N	Y	N	
	MH-2	SW	Y	0	Y	Y	N	
	MH-4	SW	Y	1"	Y	Y	N	
	MH-6	SW	Y	1"	N	Y	N	
	MH-8/PC2	SW	Y	1.2'	N	Y	N	
	MH-10	SW	Y	2"	Y	Y	N	
	MH-12	SW	Y	2"	N	Y	N	
South Frontier	MH-14	SW	Y	2"	N	Y	N	
North Colvin	NH-17A	NE	N	0	N	Y	N	
	MH-15A	NE	Y	2"	N	Y	N	
	MH-13A	NE	Y	2"	Y	Y	N	
	PC1A	NE	Y	1.8'	Y	Y	N	
	MH-11A	NE	Y	2"	N	Y	N	
	MH-9A	NE	Y	1"	N	Y	N	
	MH-7A	NE	Y	1"	Y	Y	N	
	MH-5A	NE	N	0	N	Y	N	
	MH-3A	NE	Y	1"	N	Y	N	
	MH-1A	NE	Y	1"	N	Y	N	
	MH-1	SE	N	0	N	Y	N	
	MH-3	SE	Y	1"	Y	Y	N	
	MH-5	SE	N	0	N	Y	N	
	MH-7/PC1	SE	Y	2.0'	N	Y	N	
	MH-9	SE	Y	1"	N	Y	N	
	MH-11	SE	Y	1"	Y	Y	N	
South Frontier	MH-13	SE	Y	1"	N	Y	N	

Signature: Darrell Crockett

Glenn Springs Holdings, Inc.
A subsidiary of Occidental Petroleum

Love Canal Semi-Annual Barrier Drain Manhole Inspection

Date 6/22/2015

Sector	MH No.	Location	Water Y/N	Level Feet	Debris Y/N	Structure OK	Cleaning Y/N	Comments
North Colvin	MH-10A	NW	N	0	N	Y	N	
	MH-8A	NW	Y	1"	N	Y	N	
	MH-6C	NW	Y	2"	Y	Y	N	Some built up sludge
	MH-6B	NW	Y	2"	Y	Y	N	Some built up sludge
	MH-6A	NW	Y	2"	Y	Y	N	Some built up sludge
	PC-2A	NW	Y	1.9'	N	Y	N	
	MH-4A	NW	Y	2"	N	Y	N	
	MH-2A	NW	Y	2"	N	Y	N	
	MH-2	SW	Y	0	Y	Y	N	
	MH-4	SW	Y	1"	Y	Y	N	
	MH-6	SW	Y	2"	N	Y	N	
	MH-8/PC2	SW	Y	2'	N	Y	N	
	MH-10	SW	Y	2"	Y	Y	N	
	MH-12	SW	Y	2"	N	Y	N	
South Frontier	MH-14	SW	Y	2"	N	Y	N	
North Colvin	NH-17A	NE	N	0	N	Y	N	
	MH-15A	NE	Y	2"	N	Y	N	
	MH-13A	NE	Y	1"	Y	Y	N	
	PC1A	NE	Y	1.9'	Y	Y	N	
	MH-11A	NE	Y	2"	N	Y	N	
	MH-9A	NE	Y	1"	N	Y	N	
	MH-7A	NE	Y	1"	Y	Y	N	
	MH-5A	NE	N	0	N	Y	N	
	MH-3A	NE	Y	1"	N	Y	N	
	MH-1A	NE	Y	1"	N	Y	N	
	MH-1	SE	N	0	N	Y	N	
	MH-3	SE	Y	2"	Y	Y	N	
	MH-5	SE	N	0	N	Y	N	
	MH-7/PC1	SE	Y	2.4'	N	Y	N	
	MH-9	SE	Y	2"	N	Y	N	
	MH-11	SE	Y	2"	Y	Y	N	
ıth Frontier	MH-13	SE	Y	2"	N	Y	N	

Signature: Darrell Crockett

Glenn Springs Holdings, Inc.
A subsidiary of Occidental Petroleum

Love Canal Semiannual Barrier System / Pump Chamber Inspections

Date: 10/8/2015 ***Weather:*** Sunny 75°F
Inspector:

Check the Following as Appropriate:

Visual Inspection of chamber piping
Verification of level probe performance
Inspection of pump chamber integrity
Inspection of pump chamber security

Wells	Satisfactory	Needs Maintenance
PC-1	Y	
PC-2	Y	
PC-3	Y	
PC-1A	Y	
PC-2A	Y	
PC-3A	Y	

Comments:

Signature:

Glenn Springs Holdings, Inc.
A subsidiary of Occidental Petroleum

Love Canal Semiannual Barrier System / Pump Chamber Inspections

Date: 6/22/15
Inspector: Darrell Crutt

Weather: Sunny 70°F

Check the Following as Appropriate:

Visual Inspection of chamber piping
Verification of level probe performance
Inspection of pump chamber integrity
Inspection of pump chamber security

Wells	Satisfactory	Needs Maintenance
PC-1	✓	
PC-2	✓	
PC-3	✓	
PC-1A	✓	
PC-2A	✓	
PC-3A	✓	

Comments:

Signature: Darrell Crutt

Glenn Springs Holdings, Inc.
A subsidiary of Occidental Petroleum

SEMIANNUAL LANDFILL CAP AND FENCE INSPECTION

Site: Love Canal
Date: 6/22/2015
Inspector: D. Crockett
Weather: Sunny 70° F

Inspection Item	Inspect For	
1. **Landfill Cover**	- signs of erosion	Y / N
	- exposure of the HDPE Liner	Y / N
	- areas of insufficient grass coverage	Y / N
	- signs of dead/dying grass	Y / N
	- presence of washouts	Y / N
	- settlement causing ponding of water	Y / N
	- signs of slope instability	Y / N
	- signs of burrowing by animals	Y / N Controlled
	- presence of rooting trees	Y / N
2. **Perimeter Fence**	- breaches in fence	Y / N
	- gates secure	Y / N
	- locks in place	Y / N
	- missing or illegible signage	Y / N

Comments/Remarks **(Note: If repair/maintenance is recommended, describe its location/extent below)**

Glenn Springs Holdings, Inc.
A subsidiary of Occidental Petroleum

SEMIANNUAL LANDFILL CAP AND FENCE INSPECTION

Site: Love Canal
Date: 10/8/2015
Inspector: D. Crockett
Weather: Sunny 75°F

Inspection Item	Inspect For	
1. **Landfill Cover**	- signs of erosion	Y / N
	- exposure of the HDPE Liner	Y / N
	- areas of insufficient grass coverage	Y / N
	- signs of dead/dying grass	Y / N
	- presence of washouts	Y / N
	- settlement causing ponding of water	Y / N
	- signs of slope instability	Y / N
	- signs of burrowing by animals	Y / N
	- presence of rooting trees	Y / N
2. **Perimeter Fence**	- breaches in fence	Y / N
	- gates secure	Y / N
	- locks in place	Y / N
	- missing or illegible signage	Y / N

Comments/Remarks **(Note: If repair/maintenance is recommended, describe its location/extent below)**

There is settlement on the landfill in various areas most notably near P-1 on the roadway

Appendix C
Niagara Falls Water Board Wastewater Discharge Permit #44

NIAGARA FALLS WATER BOARD
WASTEWATER FACILITIES
SIGNIFICANT INDUSTRIAL USER
WASTEWATER DISCHARGE PERMIT

PERMIT NO. 44 Glenn Springs Holdings, Inc. -
Love Canal Leachate Treatment Facility

In accordance with all terms and conditions of the Niagara Falls Water Board Regulations Part 1960 and also with all applicable provisions of Federal and State Law or regulation:

Permission is Hereby Granted To: Glenn Springs Holdings, Inc. -
Love Canal Leachate Treatment Facility

Located at: 805 - 97th Street, Niagara Falls, NY 14304

Classified by SIC No(s): 4952

For the contribution of wastewater, into the Niagara Falls Water Board Publicly-Owned Treatment Works (POTW).

Effective this 9th day of, January 2015
To Expire this 9th day of, January 2020

for

Paul J. Drof
Executive Director of Niagara Falls Water Board

Signed this 31TH day of December, 2014

DISCHARGE IDENTIFICATION

OUTFALL	DESCRIPTION	LOCATION	RECEIVING
#1	97th Street Discharge	97th Street	Carbon Treated Leachate from Love Canal Leachate Treatment Facility and the 102nd Street landfill

WASTEWATER DISCHARGE PERMIT REQUIREMENTS FOR:	ACTION REQUIRED	REQUIRED DATE OF SUBMISSION
A. Discharges to the Niagara Falls Water Board (NFWB) Sewer		
1. Identification of all discharges to the NFWB Sewer System on a current plant sewer map certified by a New York State licensed professional engineer.	None	Submitted 12/24/14
2. Identification of each contributing waste stream to each discharge to the NFWB Sewer System clearly marked on, or referenced to, a current plant sewer map certified by a New York State licensed professional engineer.	None	Submitted 12/24/14
3. Elimination of all uncontaminated discharges to the NFWB Sewer System. All uncontaminated flows should be clearly identified on a current sewer map certified by a New York State licensed professional engineer.	N/A	
4. Establishment of a control manhole that is continuously and immediately accessible for each discharge to the NFWB Sewer System.	None	Previously Established
B. Wastewater Discharge Management Practices		
1. Identification of a responsible person(s) (day to day and in emergencies).	None	Performed by NFWB

C. Slug Control Plan**

Pursuant to Section 40 CFR 403.12 (v) of the Federal Pretreatment Standards the Niagara Falls Water Board will evaluate the permittee, a minimum of once every two years for the need for a "Slug Control Plan." If a plan is required by the Niagara Falls Water Board, then the plan will contain, at a minimum, the following elements:

a) Description of discharge practices, including non-routine batch discharges;
b) Description of stored chemicals;
c) Procedures for immediately notifying the POTW of slug discharges, including any discharge that would violate a prohibition under 40 CFR 403.5 (b), with procedures for follow-up written notification within five days;
d) If necessary, procedures to prevent adverse impact from accidental spills, including inspection and maintenance of storage areas, handling and transfer of materials, loading and unloading operations, control of plant site runoff, worker training, building of containment structures or equipment, measures for containing toxic organic pollutants (including solvents), and/or measures and equipment necessary for emergency response.

**This section applies to all pollutants limited by the Niagara Falls Water Board SPDES Permit and all prohibited wastewater discharges (See Section 1960.5 of the Niagara Falls Water Board Wastewater Regulations).

D. General Wastewater Discharge Permit Conditions

1. Flow monitoring should be performed concurrently with any Wastewater Discharge Permit sampling and should be reported at the same time as analytical results. If it is not feasible to perform flow monitoring, an estimate of flow (method of estimated flow preapproved by the Niagara Falls Water Board) should be submitted with the analytical results.

2. All sampling for billing and pretreatment compliance purposes will be coordinated through the Niagara Falls Water Board Industrial Monitoring Coordinator.

3. All analysis must be performed by a State certified laboratory using analytical methods consistent with 40 CFR 136 and quality control provisions as required by the Niagara Falls Water Board Laboratory Technical Director. The permittee will report the results as directed in Section G of this permit. Results should be reported using the Method Detection Limit (MDL). Reporting results less than MDL will be indicated in the report by a less than sign (<) followed by the numeric MDL concentration reported by the laboratory. In these cases the pollutant load will be calculated and reported as zero (0). The MDL will be defined as the level at which the analytical procedure referenced is capable of determining with a 99% probability that the substance is present. The value is determined in reagent water. The precision at this level is +/- 100%.

4. An estimate of relative production levels for wastewater contributing processes at the time of any pretreatment compliance sampling will be submitted upon request of the Director of Niagara Falls Water Board - Wastewater Facilities.

5. All samples will be handled in accordance with EPA approved methods. Chain of Custody records will be submitted with all sampling results.

6. All conditions, standards and numeric limitations of Niagara Falls Water Board Wastewater Regulations are hereby incorporated into this permit by reference. These conditions, standards and numeric limitations must be complied with. Failure to comply with any part of said Regulations constitutes a violation and is subject to enforcement actions(s) described in Section 1960.9 of said Regulations, and in the Niagara Falls Water Board Pretreatment Administrative Procedure Number Five (5) - "Enforcement Response Guide." In the event of a violation, including slug discharges or spills, the Niagara Falls Water Board must be notified immediately by phone and confirmed by letter within five (5) working days.

   Any person adjudicated of violating any provision in the Niagara Falls Water Board Wastewater Regulations shall be assessed a fine in the amount of up to $10,000. This amount is available for each violation, and each day of a violation is a separate incident for which penalties may be sought.

6. The person violating any of the provisions of the Niagara Falls Water Board Wastewater Regulations will be liable for any expense, loss, or damage occasioned by reason of such violation. The expense, loss or damage will be taken to be the extent determined by the Director.

   In addition, any person who knowingly makes any false statements, representation or certification in any application, record, report, plan or other document filed or required to be maintained pursuant to the Niagara Falls Water Board Wastewater Regulations, or Wastewater Discharge Permit, or who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required under the Niagara Falls Water Board Wastewater Regulations will, upon conviction be punished by a fine up to $5,000. Furthermore, the Niagara Falls Water Board may recover reasonable attorney's fees, court costs, court reporting fees, and other expenses of litigation by appropriate suit at law against the person found to have violated applicable laws, orders, rules and permits required by the Niagara Falls Water Board Wastewater Regulations.

7. In accordance with Federal Regulation CFR 40, Part 403.12(g), any exceedance of a numeric limitation noted by the SIU must be re-sampled, analyzed and resubmitted to the Niagara Falls Water Board - Wastewater Facilities within 30 days.

   Specifically, if any limit that is *listed* in Section F of this permit is exceeded, then the permittee will undertake a short term monitoring program for that pollutant. Samples will be collected identical to those required for routine monitoring purposes and will be collected on each of at least *two (2)* operating days and analyzed. Results will be reported in both concentration and mass, and will be submitted within *30* days of becoming aware of the exceedence.

8. Sampling frequency for any permitted compounds may be increased beyond the requirements set forth in Section F and G of this permit. If the permittee monitors (sample and analysis) more frequent than required under this permit, **all** results of this monitoring must be reported.

9. As noted in Section 1960.5g of the Niagara Falls Water Board Wastewater Regulations, "Personnel as designated by the Director will be permitted at any time for reasonable cause to enter upon all properties served by the Niagara Falls Water Board for the purpose of, and to carry out, inspection of the premises, observation, measurement, sampling and testing, in accordance with provisions of the Regulations."

10. As noted in Section 1960.5c of the Niagara Falls Water Board Wastewater Regulations, significant changes in discharge characteristics or volume must be reported immediately to the Niagara Falls Water Board - Wastewater Facilities.

11. As noted in Section 1960.6b of the Niagara Falls Water Board Wastewater Regulations, samples required to be collected via a 24-hour composite sampler must be retained refrigerated for an additional 24 hour plus un-refrigerated an additional 48 hours (total 72 hours).

12. As noted in Section 1960.5d of the Niagara Falls Water Board Wastewater Regulations, all "SIU's will keep on file for a minimum of three years, all records, flow charts, laboratory calculations or any other pertinent data on their discharge to the Niagara Falls Water Board - Wastewater Facilities."

13. As noted in Section 1960.6g of the Niagara Falls Water Board Wastewater Regulations, "Permits are issued to a specific user for a specific monitoring station. A permit will not be reassigned or transferred without the approval of the Director which approval will not be unreasonably withheld. Any succeeding owner or user to which a permit has been transferred and approved will also comply with all the terms and conditions of the existing permit."

14. The Annual Average Limitation is equivalent to the specific SIU allocation, and will be defined as the permissible long term average discharge of a particular pollutant. These limitations are listed in Section F of this permit. The computation of the Annual Average will be as follows; for each compound listed in Section G of this permit, the Annual Average will be the average of the present monitoring quarter and three previous quarters data.

15. The Daily Maximum Limitation will be defined as the maximum allowable discharge on anyone day. The Daily Maximum Limitation will allow for periodic short term discharge fluctuations. These specific limitations are listed in Section F of this permit.

16. Enforcement of the Annual Average Limitation will be based on the reported average of the last four quarters data vs. the Annual Average Limited listed in Section F of this permit. Enforcement of the Daily Maximum Limitation will be based on individual analysis results vs. the Daily Maximum Limit listed in Section F of this permit. These results may be obtained from self monitoring (Section G), City of Niagara Falls Verification, incident investigation or billing samples.

17. The Niagara Falls Water Board Administrative Procedure Number 6 "Procedure for Determination and Use of Local Limits" lists all pollutants noted in the Niagara Falls Water Board – Wastewater Facilities SPDES Permit. The limits defined in the procedure are values which are based on the quantity of substances discharged which can be easily related to the Treatment Plant's removal capacity.
The pollutants listed in this procedure that are <u>not</u> specifically listed in Section F and G of this permit may be present in the permittee's wastewater discharge, but at levels which do not require specific permit limitations. Consequently, if any of the limits listed in this procedure, for pollutants <u>not</u> identified in Section F and G of this permit, are exceeded then the permittee will undertake a short-term, high intensity monitoring program for that pollutant. Samples identical to those required for routine monitoring purposes will be collected on each of at least three operating days and analyzed. Results will be expressed in terms of both concentration and mass, and will be submitted no later than the end of the third month following the month when the limit was first exceeded.

    If levels higher than the limit are confirmed, the permit may be reopened by the Niagara Falls Water Board for consideration of revised permit limits.

E. Specific Wastewater Discharge Permit Conditions

1. Billing Agreement:

   a) Flow quantities will be derived from the Wastewater Treatment Facility flow meter. The results of the daily flow readings will be compiled and submitted in a Monthly Flow Report by the 15th day of the following month.

   b) Charges for TSS, SOC and Substances of Concern shall be developed based on Quarterly Self Monitoring data.

2. Love Canal Leachate Treatment Facility (LCLTF)

   The Niagara Falls Water Board agrees to accept wastewater processed from the Glenn Springs Holdings (GSH) LCLTF. These waters in addition to Love Canal wastewater shall include wastewater from the 102nd Street remedial site. This approval is subject to the following conditions:

   a) The LCLTF shall be properly operated and maintained at all times.

   b) To ensure proper operation GSH shall ensure sufficient feed, inter-stage (breakthrough), and effluent analysis to ensure timely carbon changes. Treatment levels of 10 ug/ℓ shall be achieved and verified with quarterly composite sample analysis for the following compounds: trichloroethylene, tetrachloroethylene, monochlorotoluene, monochlorobenzenes, trichlorobenzenes, tetrachlorobenzenes, hexachlorocyclohexanes and hexachlorobenzene.

E. Specific Wastewater Discharge Permit Conditions

2. Love Canal Leachate Treatment Facility (LCLTF) Continued

c) The issuance of this approval if based on GSH's previous assertions that there is no reason to anticipate the presence of tetrachlorodibenzo-p-dioxins in the discharge from the treatment facility. The Niagara Falls Water Board hereby reserves the right to collect samples from the treatment facility effluent and analyze such wastewaters for their chemical constituents, including tetrachlorodibenzo-p-dioxins. If such analysis indicates the presence of tetrachlorodibenzo-p-dioxins, this approval may be withdrawn. If at anytime, the Niagara Falls Water Board determines on any basis that the discharge of these wastewater to the POTW is interfering with the operation of that facility, the Niagara Falls Water Board will direct GSH to discontinue the discharge.

d) These pretreated wastewaters shall be discharged to the POTW via Outfall MS # 1.

e) Periodically wet weather flow in the area around LCLTF results in surcharged sewers. The resultant surcharge requires overflow at combined sewer and storm sewer overflow points. Other points in the sewer shed require manual bypass pumping. Consequently, to minimize this overflow, the Niagara Falls Water Board will require the permittee to cease discharge from the LCLTF during these surcharge events.

A notification procedure has been established by the Niagara Falls Water Board to formalize the communication between the Niagara Falls Water Board and the permittee to halt and resume the LCLTF discharge. This procedure by reference is hereby incorporated as a condition of this permit.

F. Discharge Limitations & Monitoring Requirements

During the Period beginning the effective date of this Permit and lasting until the expiration date, discharge from the permitted facility outfall(s) will be limited and monitored by the permittee as specified below.

OUTFALL NUMBER/ EFFLUENT PARAMETER	DISCHARGE LIMITATIONS		UNITS	MINIMUM MONITORING REQUIREMENTS	
	ANNUAL AVERAGE	DAILY MAXIMUM		MEASUREMENT FREQUENCY	SAMPLE TYPE
#1 Flow	0.3	0.3	MGD	Continuous	4
#1 Total Suspended Suspended	25	50	lbs/d	1/Qtr.	1
#1 Soluble Organic Carbon	50	75	lbs/d	1/Qtr.	1
#1 Volatile - Priority Pollutants (See Attached list Section G)	MONITOR	ONLY	lbs/d	1/Qtr.	1
#1 Acid Extractable - Priority Pollutants (See attached list Section G)	MONITOR	ONLY	lbs/d	1/Qtr.	1
#1 Base/Neutral - Priority Pollutants (See attached list Section G)	MONITOR	ONLY	lbs/d	1/Qtr.	1
# 1 Pesticides - Hexachlorocyclohexanes	MONITOR	ONLY	lbs/d	1/Qtr.	1
#1 Total Phenols	MONITOR	ONLY	lbs/d	1/Qtr.	1

F. DISCHARGE LIMITATIONS & MONITORING REQUIREMENTS CONTINUED

SAMPLE TYPE FOOTNOTES

(1) Each sample will consist of four (4) grabs collected spaced throughout the **batch** discharge, such that they are representative of the effluent being discharged pursuant to 40CFR 403.12.b5iii. The four (4) grabs will be **composited in the laboratory** and analyzed as one sample.

(2) Each sample will consist of four (4) grabs collected spaced over the 24-hour period, such that they are representative of the effluent being discharged pursuant to 40CFR 403.12.b5iii. The four (4) grabs will be **composited in the laboratory** and analyzed as one sample.

(3) Each sample will consist of a 24-hour, **flow proportioned** composite sample collected from the monitoring point.

(4) Flow will be monitored continuously with the use of a water meter or another acceptable flow metering device.

(5) Each sample will consist of a 24-hour, **time proportioned** composite sample collected from the monitoring point.

(6) Reserved

(7) Same as (3), however, five (5) samples will be collected per quarter from the monitoring point and analyzed by and at the Niagara Falls Water Board's expense.

(8) Four (4) grab samples will be collected spaced over the 24-hour period, such that they are representative of the effluent being discharged pursuant to 40CFR 403.12.b5iii. Each grab will be **analyzed and reported separately**.

(9) A grab sample is defined as an aliquot collected over a period of not more than 15 minutes.

G. Discharge Monitoring Reporting Requirements

During the period beginning the effective date of this permit and lasting until its expiration date, discharge monitoring results will be summarized and reported by the permittee; Monthly - 14 days after monitoring period, Quarterly - by the last day of the monitoring period = February 28, May 31, August 31, November 30. Semiannual reports will be submitted on the last day of the monitoring period = February 28, August 31. The annual average for each parameter listed in Section F, will be computed and reported quarterly. The individual sample analysis for present quarter will also be reported quarterly unless directed otherwise in this permit.

OUTFALL NO	PARAMETER	REPORTING FREQUENCY
#1	Flow	Monthly
#1	Total Suspended Solids	Quarterly
#1	Volatile - Priority Pollutants	Quarterly
#1	Acid Extractables - Priority Pollutants	Quarterly
#1	Base/Neutral - Priority Pollutants	Quarterly
#1	Total Phenols	Quarterly

Discharge Monitoring Compounds

Volatile	Base/Neutrals Extractables
Benzene	Dimethyl Phthalate
Carbon Tetrachloride	Butyl Benz Phthalate
Chlorodibromethane	Di-N-Butyl Phthalate
Monochlorobenzene	Di-N-Octyl Phthalate
Dichlorobromethane	Diethyl Phthalate
Chloroform	Nitrosodiphenylamine
Dichloroethylenes	Dichlorobenzenes
Bromoform	Dichlorotoluene
Dichloropropylenes	Acenaphthlene
Ethylbenzene	Fluoranthene
Tetrachloroethanes	Chrysene
Tetrachloroethylene	Napthalene
Toluene	Benzo (a) Anthracene
Trichloroethanes	Pyrene
Trichloroethylene	Trichlorobenzene
Methylene Chloride	Trichlorotoluene
Vinyl Chloride	Hexachlorobutadiene
Monochlorotoluenes	Tetrachlorobenzene
Monochlorobenzotrifluoride	Hexachlorocyclopentadiene
	Hexachlorobenzene
	Dichlorobenzotrifluoride

Discharge Monitoring Compounds

Acids	Pesticides
Monochlorophenol	Alpha, beta, delta, gama – hexachlorocyclohexane
Dichlorophenol	
Monochlorocresol	
Trichlorophenol	
Pentachlorophenol	

Conventionals	
Total Phenols	
Total Suspended Solids	
Soluble Organic Carbon	

H. Comments/Revisions

Appendix D
Love Canal Annual Groundwater Sampling Schedule

CONESTOGA-ROVERS
& ASSOCIATES

2055 Niagara Falls Blvd., Suite #3
Niagara Falls, New York 14304
Telephone: (716) 297-6150 Fax: (716) 297-2265
www.CRAworld.com

MEMORANDUM

TO:	Clint Babcock, Ralph Schupp	REF. NO.:	009954
FROM:	Jane Pietraszek-Polovich/adh/8 JPP	DATE:	August 5, 2010
C.C.:	Darrell Crockett, Dennis Hoyt, John Pentilchuk, Dave Tyran, Filing		
RE:	**Love Canal Annual Groundwater Sampling Schedule**		

At the request of Glenn Springs Holdings, Inc. (GSH), Conestoga-Rovers & Associates (CRA) has prepared the following memo to document the Annual Groundwater Sampling schedule for the Love Canal Facility in Niagara Falls, New York (Site).

Correspondence from Mr. Brian Sadowski of the New York State Department of Environmental Conservation (NYSDEC) sent to CRA and GSH on March 25, 2009 (email attached) states that it is no longer necessary for the NYSDEC to specifically list the wells to be sampled each year at the Site, since the annual and alternating (Group I and Group II) wells have remained the same throughout the years. From 1994 through 2008, the NYSDEC provided GSH with a list of wells to be sampled each year. The March 25, 2009 email from Mr. Sadowski stated that the NYSDEC will no longer provide such a list. Therefore, Mr. Sadowski suggested that the wells sampled during the 2007 annual groundwater monitoring event be used for the 2009 annual groundwater monitoring event, to remain consistent with the Long-Term Monitoring Program. The 2007 (and therefore 2009) monitoring wells represent the Group I wells (Table 1). The 2008 (and therefore 2010) monitoring wells represent the Group II wells. In addition, there are select overburden and bedrock wells that are to be sampled annually (Table 1).

Mr. Sadowski went on to further state that GSH must "ensure that the monitoring network and well selection provide adequate overburden and bedrock coverage that returns the data necessary for the evaluation of the remediation, and that the NYSDEC feels that the selection of the 2007 wells will meet those objectives." Mr. Sadowski indicated that GSH can enhance upon the objective by choosing other wells if they wish. Once the well selection is made for the annual event, GSH is to provide the NYSDEC with the monitoring well numbers. Any changes in the well selection must be accompanied with reasons for the addition/deletion. Based on a review of the data for the wells suggested by NYSDEC, GSH agreed to sample the wells in Table 1 for future sampling events. This was communicated to the NYSDEC through a phone call to Mr. Sadowski on June 7, 2010, and documented in the attached email dated June 8, 2010. The NYSDEC is to be notified when the annual monitoring will take place for oversight purposes and to split samples if desired. A 2-week notice of the annual groundwater monitoring event is preferred by the NYSDEC.

REGISTERED COMPANY FOR
ISO 9001
ENGINEERING DESIGN

TABLE 1

SAMPLE SCHEDULE
LOVE CANAL FACILITY
LONG-TERM MONITORING PROGRAM
NIAGARA FALLS, NEW YORK

Annual Wells	*Biannual Wells*	
Bedrock Wells	*Overburden Wells Group I (2009)*	*Overburden Wells Group II (2010)*
3257	3151	7115
5221	7120	7125
6209	7155	8115
7205	7161	8125
8210	8110	9105
9205	8120	9113
9210	8130	9118
10205	8140	10178A
10210A	9110	
10210B	9115	
10210C	9120	
10215	9125	
10225A	9130	
10225B	9140	
10225C	10105	
10270	10147	
10272	10174A	
10278		
Overburden Wells		
7130		
7132		
8106		
10135		

From: Crockett, Darrell
Sent: Wednesday, March 25, 2009 12:06 PM
To: Pentilchuk, John
Subject: 9954 FW: Love Canal Annual 2009 Sampling
John,

Please let me know how you'd like for me to proceed. I have the 2007 sampling event data.

Thanks
Darrell

From: Brian Sadowski [mailto:bpsadows@gw.dec.state.ny.us]
Sent: Wed 3/25/2009 11:56 AM
To: Crockett, Darrell
Cc: Hoyt, Dennis; Clint_Babcock ext
Subject: Re: Love Canal Annual 2009 Sampling

Darrell,

Your contact and this response will be considered as our pre-sampling conference as stated on p.6. in Section 2.0 Monitoring Requirements of the February 19, 2001 Sampling Manual. Over the last fourteen years the Department has specifically listed the wells to sample and believe that is no longer necessary as the annual and alternating wells have stayed the same. GSHI and/or MSRM has clearly demonstrated their ability to operate , maintain and monitor the site. With the addition of CRA; there is an added layer of technological security and professional environmental judgement. With that said, the Department will not provide a specific list of wells to monitor. However, the suggested wells are the wells that were sampled in 2007 to remain consistent with the LTM program schedule listed on Table 2.2 of the Sampling Manual. The monitoring schedule is flexible. OXY and CRA is to ensure that the monitoring network and well selection provides adequate overburden and bedrock coverage that returns the data necessary for the evaluation of the remediation. The Department feels that the selection of the 2007 wells will meet those objectives. OXY and CRA can enhance upon the objectives by choosing other wells if they wish. When a decision is made by CRA on the well selection, please provide the Department with the well numbers. A simple return "as same as 2007 or 2007 with the addition, deletion or substitution of well #" will suffice. If changes are made, please provide reasoning. Finally, the Department will not be splitting this year. But, will need to be given notice when monitoring will take place for oversight purposes. Thank you.

>>> "Crockett, Darrell" <dcrockett@craworld.com> 3/18/2009 8:05 AM >>>
Hello Brian,

At your convenience would you please provide me with a 2009 Annual sampling well list including the split samples.

Thank You
Darrell Crockett
716/998-5804

From: Polovich, Jane
Sent: Tuesday, June 08, 2010 9:49 AM
To: Filing
Subject: 9954: Love Canal Annual Sampling - Conversation with Brian Sadowski NYSDEC

I spoke with Brian Sadowski on Monday June 7, 2010 to confirm the annual groundwater sampling locations at Love Canal. As per Brians email of March 25 2009 to Darrell Crockett, the 2007 wells selected by the DEC were to be the ones sampled in 2009 (these represent the Group I wells). I confirmed with Mr. Sadowski that the 2008 wells selected by the DEC would be teh wells sampled in 2010 (representing the Group II wells). These Group I and Group II wells will from this point forward be the wells sampled for the alternating annual groundwater sampling events at Love Canal. Mr Sadowski went further to say that GSH may add or delete wells from the sampling but must provide a reason to the DEC prior to sampling for the additions / deletions. CRA documented this change in the sampling program in a internal memo.

Jane Polovich
Conestoga-Rovers & Associates (CRA)
2055 Niagara Falls Blvd., Suite 3
Niagara Falls, New York 14304

Phone: 716.297.6150
Fax: 716.297.2265
Email: jpolovich@CRAworld.com
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Appendix E
Laboratory Raw Data Package
June through July 2015

ANALYTICAL REPORT

Job Number: 180-45199-1

Job Description: 9954, Love Canal Annual

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

Attention: Ms. Sue Scrocchi

Approved for release.
Jill L Colussy
Project Manager I
7/7/2015 4:26 PM

Jill L Colussy, Project Manager I
301 Alpha Drive, Pittsburgh, PA, 15238
(412)963-2444
jill.colussy@testamericainc.com
07/07/2015

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of TestAmerica and its client. All questions regarding this report should be directed to the TestAmerica Project Manager or designee who has signed this report.

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Sample Receipt Checklist 917

Qualifiers

GC/MS Semi VOA

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

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	Presumptive evidence of material.
T	Result is a tentatively identified compound (TIC) and an estimated value.

GC Semi VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits

Glossary

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

CASE NARRATIVE

Client: Conestoga-Rovers & Associates, Inc.

Project: 9954, Love Canal Annual

Report Number: 180-45199-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT
The samples were received on 06/18/2015; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 1.5 C.

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

SEMIVOLATILES
Sample WG-9954-061715-DJT-002 (180-45199-4) had surrogate Terphenyl-d14 recover high and outside of the control limits. As the recovery was high and the sample was non-detect for all target compounds, all data was reported.

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

PCBS
The laboratory control standard/laboratory control duplicate were inadvertently not spiked with surrogate solution. All samples and the method blank had the surrogates recover within the control limits and the spike recoveries were within the control limits. All data was reported.

Detection Summary

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45199-1

Client Sample ID: LCTRIP-061715 — Lab Sample ID: 180-45199-1

No Detections.

Client Sample ID: WG-9954-061715-DJT-003 — Lab Sample ID: 180-45199-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	8.5	J	19	4.1	ug/L	1		8270D	Total/NA

Client Sample ID: WG-9954-061715-DJT-001 — Lab Sample ID: 180-45199-3

No Detections.

Client Sample ID: WG-9954-061715-DJT-002 — Lab Sample ID: 180-45199-4

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45199-1

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

Client Sample ID: LCTRIP-061715
Date Collected: 06/17/15 00:00
Date Received: 06/18/15 08:55

Lab Sample ID: 180-45199-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	1.0	ug/L			06/19/15 19:33	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.93	ug/L			06/19/15 19:33	1
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			06/19/15 19:33	1
1,1-Dichloroethane	ND		5.0	1.0	ug/L			06/19/15 19:33	1
1,1-Dichloroethene	ND		5.0	1.1	ug/L			06/19/15 19:33	1
1,2-Dichloroethane	ND		5.0	0.96	ug/L			06/19/15 19:33	1
1,2-Dichloropropane	ND		5.0	1.3	ug/L			06/19/15 19:33	1
2-Butanone (MEK)	ND		5.0	1.1	ug/L			06/19/15 19:33	1
2-Hexanone	ND		5.0	0.57	ug/L			06/19/15 19:33	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.59	ug/L			06/19/15 19:33	1
Acetone	ND		20	5.0	ug/L			06/19/15 19:33	1
Benzene	ND		5.0	0.99	ug/L			06/19/15 19:33	1
Bromodichloromethane	ND		5.0	0.93	ug/L			06/19/15 19:33	1
Bromoform	ND		5.0	1.1	ug/L			06/19/15 19:33	1
Bromomethane	ND		5.0	1.6	ug/L			06/19/15 19:33	1
Carbon disulfide	ND		5.0	1.1	ug/L			06/19/15 19:33	1
Carbon tetrachloride	ND		5.0	1.1	ug/L			06/19/15 19:33	1
Chlorobenzene	ND		5.0	0.53	ug/L			06/19/15 19:33	1
Chloroethane	ND		5.0	0.75	ug/L			06/19/15 19:33	1
Chloroform	ND		5.0	1.0	ug/L			06/19/15 19:33	1
Chloromethane	ND		5.0	1.4	ug/L			06/19/15 19:33	1
cis-1,2-Dichloroethene	ND		5.0	0.67	ug/L			06/19/15 19:33	1
cis-1,3-Dichloropropene	ND		5.0	0.73	ug/L			06/19/15 19:33	1
Dibromochloromethane	ND		5.0	0.65	ug/L			06/19/15 19:33	1
Ethylbenzene	ND		5.0	0.62	ug/L			06/19/15 19:33	1
Methylene Chloride	ND		5.0	1.1	ug/L			06/19/15 19:33	1
Styrene	ND		5.0	0.64	ug/L			06/19/15 19:33	1
Tetrachloroethene	ND		5.0	0.82	ug/L			06/19/15 19:33	1
Toluene	ND		5.0	0.85	ug/L			06/19/15 19:33	1
trans-1,2-Dichloroethene	ND		5.0	0.75	ug/L			06/19/15 19:33	1
trans-1,3-Dichloropropene	ND		5.0	0.58	ug/L			06/19/15 19:33	1
Trichloroethene	ND		5.0	0.80	ug/L			06/19/15 19:33	1
Vinyl acetate	ND		5.0	0.86	ug/L			06/19/15 19:33	1
Vinyl chloride	ND		5.0	1.3	ug/L			06/19/15 19:33	1
Xylenes, Total	ND		10	1.7	ug/L			06/19/15 19:33	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*06/19/15 19:33*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*62 - 123*		*06/19/15 19:33*	*1*
4-Bromofluorobenzene (Surr)	*93*		*75 - 120*		*06/19/15 19:33*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*06/19/15 19:33*	*1*
Toluene-d8 (Surr)	*112*		*80 - 120*		*06/19/15 19:33*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45199-1

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

Client Sample ID: WG-9954-061715-DJT-003
Date Collected: 06/17/15 14:15
Date Received: 06/18/15 08:55

Lab Sample ID: 180-45199-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	1.0	ug/L			06/19/15 18:20	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.93	ug/L			06/19/15 18:20	1
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			06/19/15 18:20	1
1,1-Dichloroethane	ND		5.0	1.0	ug/L			06/19/15 18:20	1
1,1-Dichloroethene	ND		5.0	1.1	ug/L			06/19/15 18:20	1
1,2-Dichloroethane	ND		5.0	0.96	ug/L			06/19/15 18:20	1
1,2-Dichloropropane	ND		5.0	1.3	ug/L			06/19/15 18:20	1
2-Butanone (MEK)	ND		5.0	1.1	ug/L			06/19/15 18:20	1
2-Hexanone	ND		5.0	0.57	ug/L			06/19/15 18:20	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.59	ug/L			06/19/15 18:20	1
Acetone	ND		20	5.0	ug/L			06/19/15 18:20	1
Benzene	ND		5.0	0.99	ug/L			06/19/15 18:20	1
Bromodichloromethane	ND		5.0	0.93	ug/L			06/19/15 18:20	1
Bromoform	ND		5.0	1.1	ug/L			06/19/15 18:20	1
Bromomethane	ND		5.0	1.6	ug/L			06/19/15 18:20	1
Carbon disulfide	ND		5.0	1.1	ug/L			06/19/15 18:20	1
Carbon tetrachloride	ND		5.0	1.1	ug/L			06/19/15 18:20	1
Chlorobenzene	ND		5.0	0.53	ug/L			06/19/15 18:20	1
Chloroethane	ND		5.0	0.75	ug/L			06/19/15 18:20	1
Chloroform	ND		5.0	1.0	ug/L			06/19/15 18:20	1
Chloromethane	ND		5.0	1.4	ug/L			06/19/15 18:20	1
cis-1,2-Dichloroethene	ND		5.0	0.67	ug/L			06/19/15 18:20	1
cis-1,3-Dichloropropene	ND		5.0	0.73	ug/L			06/19/15 18:20	1
Dibromochloromethane	ND		5.0	0.65	ug/L			06/19/15 18:20	1
Ethylbenzene	ND		5.0	0.62	ug/L			06/19/15 18:20	1
Methylene Chloride	ND		5.0	1.1	ug/L			06/19/15 18:20	1
Styrene	ND		5.0	0.64	ug/L			06/19/15 18:20	1
Tetrachloroethene	ND		5.0	0.82	ug/L			06/19/15 18:20	1
Toluene	ND		5.0	0.85	ug/L			06/19/15 18:20	1
trans-1,2-Dichloroethene	ND		5.0	0.75	ug/L			06/19/15 18:20	1
trans-1,3-Dichloropropene	ND		5.0	0.58	ug/L			06/19/15 18:20	1
Trichloroethene	ND		5.0	0.80	ug/L			06/19/15 18:20	1
Vinyl acetate	ND		5.0	0.86	ug/L			06/19/15 18:20	1
Vinyl chloride	ND		5.0	1.3	ug/L			06/19/15 18:20	1
Xylenes, Total	ND		10	1.7	ug/L			06/19/15 18:20	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*06/19/15 18:20*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*83*		*62 - 123*		*06/19/15 18:20*	*1*
4-Bromofluorobenzene (Surr)	*90*		*75 - 120*		*06/19/15 18:20*	*1*
Dibromofluoromethane (Surr)	*90*		*80 - 120*		*06/19/15 18:20*	*1*
Toluene-d8 (Surr)	*108*		*80 - 120*		*06/19/15 18:20*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45199-1

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

Client Sample ID: WG-9954-061715-DJT-001
Date Collected: 06/17/15 13:15
Date Received: 06/18/15 08:55

Lab Sample ID: 180-45199-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	1.0	ug/L			06/19/15 18:44	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.93	ug/L			06/19/15 18:44	1
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			06/19/15 18:44	1
1,1-Dichloroethane	ND		5.0	1.0	ug/L			06/19/15 18:44	1
1,1-Dichloroethene	ND		5.0	1.1	ug/L			06/19/15 18:44	1
1,2-Dichloroethane	ND		5.0	0.96	ug/L			06/19/15 18:44	1
1,2-Dichloropropane	ND		5.0	1.3	ug/L			06/19/15 18:44	1
2-Butanone (MEK)	ND		5.0	1.1	ug/L			06/19/15 18:44	1
2-Hexanone	ND		5.0	0.57	ug/L			06/19/15 18:44	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.59	ug/L			06/19/15 18:44	1
Acetone	ND		20	5.0	ug/L			06/19/15 18:44	1
Benzene	ND		5.0	0.99	ug/L			06/19/15 18:44	1
Bromodichloromethane	ND		5.0	0.93	ug/L			06/19/15 18:44	1
Bromoform	ND		5.0	1.1	ug/L			06/19/15 18:44	1
Bromomethane	ND		5.0	1.6	ug/L			06/19/15 18:44	1
Carbon disulfide	ND		5.0	1.1	ug/L			06/19/15 18:44	1
Carbon tetrachloride	ND		5.0	1.1	ug/L			06/19/15 18:44	1
Chlorobenzene	ND		5.0	0.53	ug/L			06/19/15 18:44	1
Chloroethane	ND		5.0	0.75	ug/L			06/19/15 18:44	1
Chloroform	ND		5.0	1.0	ug/L			06/19/15 18:44	1
Chloromethane	ND		5.0	1.4	ug/L			06/19/15 18:44	1
cis-1,2-Dichloroethene	ND		5.0	0.67	ug/L			06/19/15 18:44	1
cis-1,3-Dichloropropene	ND		5.0	0.73	ug/L			06/19/15 18:44	1
Dibromochloromethane	ND		5.0	0.65	ug/L			06/19/15 18:44	1
Ethylbenzene	ND		5.0	0.62	ug/L			06/19/15 18:44	1
Methylene Chloride	ND		5.0	1.1	ug/L			06/19/15 18:44	1
Styrene	ND		5.0	0.64	ug/L			06/19/15 18:44	1
Tetrachloroethene	ND		5.0	0.82	ug/L			06/19/15 18:44	1
Toluene	ND		5.0	0.85	ug/L			06/19/15 18:44	1
trans-1,2-Dichloroethene	ND		5.0	0.75	ug/L			06/19/15 18:44	1
trans-1,3-Dichloropropene	ND		5.0	0.58	ug/L			06/19/15 18:44	1
Trichloroethene	ND		5.0	0.80	ug/L			06/19/15 18:44	1
Vinyl acetate	ND		5.0	0.86	ug/L			06/19/15 18:44	1
Vinyl chloride	ND		5.0	1.3	ug/L			06/19/15 18:44	1
Xylenes, Total	ND		10	1.7	ug/L			06/19/15 18:44	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*06/19/15 18:44*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*79*		*62 - 123*		*06/19/15 18:44*	*1*
4-Bromofluorobenzene (Surr)	*92*		*75 - 120*		*06/19/15 18:44*	*1*
Dibromofluoromethane (Surr)	*92*		*80 - 120*		*06/19/15 18:44*	*1*
Toluene-d8 (Surr)	*113*		*80 - 120*		*06/19/15 18:44*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45199-1

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

Client Sample ID: WG-9954-061715-DJT-002
Date Collected: 06/17/15 13:45
Date Received: 06/18/15 08:55

Lab Sample ID: 180-45199-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	1.0	ug/L			06/19/15 19:09	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.93	ug/L			06/19/15 19:09	1
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			06/19/15 19:09	1
1,1-Dichloroethane	ND		5.0	1.0	ug/L			06/19/15 19:09	1
1,1-Dichloroethene	ND		5.0	1.1	ug/L			06/19/15 19:09	1
1,2-Dichloroethane	ND		5.0	0.96	ug/L			06/19/15 19:09	1
1,2-Dichloropropane	ND		5.0	1.3	ug/L			06/19/15 19:09	1
2-Butanone (MEK)	ND		5.0	1.1	ug/L			06/19/15 19:09	1
2-Hexanone	ND		5.0	0.57	ug/L			06/19/15 19:09	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.59	ug/L			06/19/15 19:09	1
Acetone	ND		20	5.0	ug/L			06/19/15 19:09	1
Benzene	ND		5.0	0.99	ug/L			06/19/15 19:09	1
Bromodichloromethane	ND		5.0	0.93	ug/L			06/19/15 19:09	1
Bromoform	ND		5.0	1.1	ug/L			06/19/15 19:09	1
Bromomethane	ND		5.0	1.6	ug/L			06/19/15 19:09	1
Carbon disulfide	ND		5.0	1.1	ug/L			06/19/15 19:09	1
Carbon tetrachloride	ND		5.0	1.1	ug/L			06/19/15 19:09	1
Chlorobenzene	ND		5.0	0.53	ug/L			06/19/15 19:09	1
Chloroethane	ND		5.0	0.75	ug/L			06/19/15 19:09	1
Chloroform	ND		5.0	1.0	ug/L			06/19/15 19:09	1
Chloromethane	ND		5.0	1.4	ug/L			06/19/15 19:09	1
cis-1,2-Dichloroethene	ND		5.0	0.67	ug/L			06/19/15 19:09	1
cis-1,3-Dichloropropene	ND		5.0	0.73	ug/L			06/19/15 19:09	1
Dibromochloromethane	ND		5.0	0.65	ug/L			06/19/15 19:09	1
Ethylbenzene	ND		5.0	0.62	ug/L			06/19/15 19:09	1
Methylene Chloride	ND		5.0	1.1	ug/L			06/19/15 19:09	1
Styrene	ND		5.0	0.64	ug/L			06/19/15 19:09	1
Tetrachloroethene	ND		5.0	0.82	ug/L			06/19/15 19:09	1
Toluene	ND		5.0	0.85	ug/L			06/19/15 19:09	1
trans-1,2-Dichloroethene	ND		5.0	0.75	ug/L			06/19/15 19:09	1
trans-1,3-Dichloropropene	ND		5.0	0.58	ug/L			06/19/15 19:09	1
Trichloroethene	ND		5.0	0.80	ug/L			06/19/15 19:09	1
Vinyl acetate	ND		5.0	0.86	ug/L			06/19/15 19:09	1
Vinyl chloride	ND		5.0	1.3	ug/L			06/19/15 19:09	1
Xylenes, Total	ND		10	1.7	ug/L			06/19/15 19:09	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*06/19/15 19:09*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*79*		*62 - 123*		*06/19/15 19:09*	*1*
4-Bromofluorobenzene (Surr)	*86*		*75 - 120*		*06/19/15 19:09*	*1*
Dibromofluoromethane (Surr)	*89*		*80 - 120*		*06/19/15 19:09*	*1*
Toluene-d8 (Surr)	*107*		*80 - 120*		*06/19/15 19:09*	*1*

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

Client Sample ID: WG-9954-061715-DJT-003
Date Collected: 06/17/15 14:15
Date Received: 06/18/15 08:55

Lab Sample ID: 180-45199-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		1.9	0.27	ug/L		06/24/15 10:27	06/26/15 17:11	1
Acenaphthylene	ND		1.9	0.20	ug/L		06/24/15 10:27	06/26/15 17:11	1
Anthracene	ND		1.9	0.18	ug/L		06/24/15 10:27	06/26/15 17:11	1
Benzo[a]anthracene	ND		1.9	0.34	ug/L		06/24/15 10:27	06/26/15 17:11	1
Benzo[b]fluoranthene	ND		1.9	0.45	ug/L		06/24/15 10:27	06/26/15 17:11	1
Benzo[k]fluoranthene	ND		1.9	0.28	ug/L		06/24/15 10:27	06/26/15 17:11	1
Benzoic acid	ND		46	15	ug/L		06/24/15 10:27	06/26/15 17:11	1
Benzo[g,h,i]perylene	ND		1.9	0.27	ug/L		06/24/15 10:27	06/26/15 17:11	1
Benzo[a]pyrene	ND		1.9	0.26	ug/L		06/24/15 10:27	06/26/15 17:11	1
Benzyl alcohol	ND		9.3	1.8	ug/L		06/24/15 10:27	06/26/15 17:11	1
Bis(2-chloroethoxy)methane	ND		9.3	1.2	ug/L		06/24/15 10:27	06/26/15 17:11	1
Bis(2-chloroethyl)ether	ND		9.3	0.29	ug/L		06/24/15 10:27	06/26/15 17:11	1
Bis(2-ethylhexyl) phthalate	**8.5**	**J**	19	4.1	ug/L		06/24/15 10:27	06/26/15 17:11	1
4-Bromophenyl phenyl ether	ND		9.3	1.1	ug/L		06/24/15 10:27	06/26/15 17:11	1
Butyl benzyl phthalate	ND		9.3	2.0	ug/L		06/24/15 10:27	06/26/15 17:11	1
4-Chloroaniline	ND		9.3	2.7	ug/L		06/24/15 10:27	06/26/15 17:11	1
4-Chloro-3-methylphenol	ND		9.3	1.6	ug/L		06/24/15 10:27	06/26/15 17:11	1
2-Chloronaphthalene	ND		1.9	0.28	ug/L		06/24/15 10:27	06/26/15 17:11	1
2-Chlorophenol	ND		9.3	2.1	ug/L		06/24/15 10:27	06/26/15 17:11	1
4-Chlorophenyl phenyl ether	ND		9.3	0.74	ug/L		06/24/15 10:27	06/26/15 17:11	1
Chrysene	ND		1.9	0.29	ug/L		06/24/15 10:27	06/26/15 17:11	1
Dibenz(a,h)anthracene	ND		1.9	0.25	ug/L		06/24/15 10:27	06/26/15 17:11	1
Dibenzofuran	ND		9.3	0.89	ug/L		06/24/15 10:27	06/26/15 17:11	1
Di-n-butyl phthalate	ND		9.3	2.2	ug/L		06/24/15 10:27	06/26/15 17:11	1
1,2-Dichlorobenzene	ND		9.3	1.0	ug/L		06/24/15 10:27	06/26/15 17:11	1
1,3-Dichlorobenzene	ND		9.3	0.70	ug/L		06/24/15 10:27	06/26/15 17:11	1
3,3'-Dichlorobenzidine	ND		9.3	1.4	ug/L		06/24/15 10:27	06/26/15 17:11	1
2,4-Dichlorophenol	ND		9.3	0.62	ug/L		06/24/15 10:27	06/26/15 17:11	1
Diethyl phthalate	ND		9.3	2.7	ug/L		06/24/15 10:27	06/26/15 17:11	1
2,4-Dimethylphenol	ND		9.3	1.6	ug/L		06/24/15 10:27	06/26/15 17:11	1
Dimethyl phthalate	ND		9.3	1.7	ug/L		06/24/15 10:27	06/26/15 17:11	1
4,6-Dinitro-2-methylphenol	ND		46	14	ug/L		06/24/15 10:27	06/26/15 17:11	1
2,4-Dinitrophenol	ND		46	23	ug/L		06/24/15 10:27	06/26/15 17:11	1
2,4-Dinitrotoluene	ND		9.3	2.0	ug/L		06/24/15 10:27	06/26/15 17:11	1
2,6-Dinitrotoluene	ND		9.3	1.3	ug/L		06/24/15 10:27	06/26/15 17:11	1
Di-n-octyl phthalate	ND		9.3	1.9	ug/L		06/24/15 10:27	06/26/15 17:11	1
Fluoranthene	ND		1.9	0.20	ug/L		06/24/15 10:27	06/26/15 17:11	1
Fluorene	ND		1.9	0.22	ug/L		06/24/15 10:27	06/26/15 17:11	1
Hexachlorobenzene	ND		9.3	0.56	ug/L		06/24/15 10:27	06/26/15 17:11	1
Hexachlorobutadiene	ND		9.3	0.87	ug/L		06/24/15 10:27	06/26/15 17:11	1
Hexachlorocyclopentadiene	ND		9.3	1.3	ug/L		06/24/15 10:27	06/26/15 17:11	1
Hexachloroethane	ND		9.3	1.3	ug/L		06/24/15 10:27	06/26/15 17:11	1
Indeno[1,2,3-cd]pyrene	ND		1.9	0.40	ug/L		06/24/15 10:27	06/26/15 17:11	1
Isophorone	ND		9.3	0.68	ug/L		06/24/15 10:27	06/26/15 17:11	1
2-Methylnaphthalene	ND		1.9	0.18	ug/L		06/24/15 10:27	06/26/15 17:11	1
2-Methylphenol	ND		9.3	1.7	ug/L		06/24/15 10:27	06/26/15 17:11	1
4-Methylphenol	ND		9.3	1.9	ug/L		06/24/15 10:27	06/26/15 17:11	1
Naphthalene	ND		1.9	0.21	ug/L		06/24/15 10:27	06/26/15 17:11	1
2-Nitroaniline	ND		46	6.2	ug/L		06/24/15 10:27	06/26/15 17:11	1

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

Client Sample ID: WG-9954-061715-DJT-003
Date Collected: 06/17/15 14:15
Date Received: 06/18/15 08:55

Lab Sample ID: 180-45199-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		46	7.5	ug/L		06/24/15 10:27	06/26/15 17:11	1
4-Nitroaniline	ND		46	7.2	ug/L		06/24/15 10:27	06/26/15 17:11	1
Nitrobenzene	ND		19	1.4	ug/L		06/24/15 10:27	06/26/15 17:11	1
2-Nitrophenol	ND		9.3	1.0	ug/L		06/24/15 10:27	06/26/15 17:11	1
4-Nitrophenol	ND		46	7.4	ug/L		06/24/15 10:27	06/26/15 17:11	1
N-Nitrosodiphenylamine	ND		9.3	1.1	ug/L		06/24/15 10:27	06/26/15 17:11	1
N-Nitrosodi-n-propylamine	ND		9.3	0.46	ug/L		06/24/15 10:27	06/26/15 17:11	1
Pentachlorophenol	ND		9.3	4.6	ug/L		06/24/15 10:27	06/26/15 17:11	1
Phenanthrene	ND		1.9	0.38	ug/L		06/24/15 10:27	06/26/15 17:11	1
Phenol	ND		9.3	0.51	ug/L		06/24/15 10:27	06/26/15 17:11	1
Pyrene	ND		1.9	0.21	ug/L		06/24/15 10:27	06/26/15 17:11	1
1,2,4-Trichlorobenzene	ND		9.3	0.79	ug/L		06/24/15 10:27	06/26/15 17:11	1
2,4,5-Trichlorophenol	ND		9.3	1.1	ug/L		06/24/15 10:27	06/26/15 17:11	1
2,4,6-Trichlorophenol	ND		9.3	2.8	ug/L		06/24/15 10:27	06/26/15 17:11	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*13*	*T J*	*ug/L*		*1.48*		*06/24/15 10:27*	*06/26/15 17:11*	*1*
Unknown	*7.2*	*T J*	*ug/L*		*10.71*		*06/24/15 10:27*	*06/26/15 17:11*	*1*
1,2:3,4-Dibenzopyrene	*21*	*T J N*	*ug/L*		*16.25*	*191-30-0*	*06/24/15 10:27*	*06/26/15 17:11*	*1*
Unknown	*8.9*	*T J*	*ug/L*		*16.27*		*06/24/15 10:27*	*06/26/15 17:11*	*1*
1,2:3,4-Dibenzopyrene	*7.4*	*T J N*	*ug/L*		*16.57*	*191-30-0*	*06/24/15 10:27*	*06/26/15 17:11*	*1*
3,4:8,9-Dibenzopyrene	*10*	*T J N*	*ug/L*		*16.62*	*189-64-0*	*06/24/15 10:27*	*06/26/15 17:11*	*1*
1,2:4,5-Dibenzopyrene	*22*	*T J N*	*ug/L*		*18.20*	*192-65-4*	*06/24/15 10:27*	*06/26/15 17:11*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*88*		*28 - 106*	*06/24/15 10:27*	*06/26/15 17:11*	*1*
2-Fluorophenol	*82*		*20 - 108*	*06/24/15 10:27*	*06/26/15 17:11*	*1*
2,4,6-Tribromophenol	*98*		*25 - 118*	*06/24/15 10:27*	*06/26/15 17:11*	*1*
Nitrobenzene-d5	*89*		*27 - 110*	*06/24/15 10:27*	*06/26/15 17:11*	*1*
Phenol-d5	*86*		*23 - 111*	*06/24/15 10:27*	*06/26/15 17:11*	*1*
Terphenyl-d14	*92*		*20 - 109*	*06/24/15 10:27*	*06/26/15 17:11*	*1*

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

Client Sample ID: WG-9954-061715-DJT-001
Date Collected: 06/17/15 13:15
Date Received: 06/18/15 08:55

Lab Sample ID: 180-45199-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		1.9	0.28	ug/L		06/24/15 10:27	06/26/15 17:38	1
Acenaphthylene	ND		1.9	0.21	ug/L		06/24/15 10:27	06/26/15 17:38	1
Anthracene	ND		1.9	0.18	ug/L		06/24/15 10:27	06/26/15 17:38	1
Benzo[a]anthracene	ND		1.9	0.35	ug/L		06/24/15 10:27	06/26/15 17:38	1
Benzo[b]fluoranthene	ND		1.9	0.47	ug/L		06/24/15 10:27	06/26/15 17:38	1
Benzo[k]fluoranthene	ND		1.9	0.29	ug/L		06/24/15 10:27	06/26/15 17:38	1
Benzoic acid	ND		48	16	ug/L		06/24/15 10:27	06/26/15 17:38	1
Benzo[g,h,i]perylene	ND		1.9	0.28	ug/L		06/24/15 10:27	06/26/15 17:38	1
Benzo[a]pyrene	ND		1.9	0.27	ug/L		06/24/15 10:27	06/26/15 17:38	1
Benzyl alcohol	ND		9.6	1.9	ug/L		06/24/15 10:27	06/26/15 17:38	1
Bis(2-chloroethoxy)methane	ND		9.6	1.3	ug/L		06/24/15 10:27	06/26/15 17:38	1
Bis(2-chloroethyl)ether	ND		9.6	0.30	ug/L		06/24/15 10:27	06/26/15 17:38	1
Bis(2-ethylhexyl) phthalate	ND		19	4.2	ug/L		06/24/15 10:27	06/26/15 17:38	1
4-Bromophenyl phenyl ether	ND		9.6	1.1	ug/L		06/24/15 10:27	06/26/15 17:38	1
Butyl benzyl phthalate	ND		9.6	2.1	ug/L		06/24/15 10:27	06/26/15 17:38	1
4-Chloroaniline	ND		9.6	2.8	ug/L		06/24/15 10:27	06/26/15 17:38	1
4-Chloro-3-methylphenol	ND		9.6	1.6	ug/L		06/24/15 10:27	06/26/15 17:38	1
2-Chloronaphthalene	ND		1.9	0.30	ug/L		06/24/15 10:27	06/26/15 17:38	1
2-Chlorophenol	ND		9.6	2.2	ug/L		06/24/15 10:27	06/26/15 17:38	1
4-Chlorophenyl phenyl ether	ND		9.6	0.77	ug/L		06/24/15 10:27	06/26/15 17:38	1
Chrysene	ND		1.9	0.30	ug/L		06/24/15 10:27	06/26/15 17:38	1
Dibenz(a,h)anthracene	ND		1.9	0.26	ug/L		06/24/15 10:27	06/26/15 17:38	1
Dibenzofuran	ND		9.6	0.93	ug/L		06/24/15 10:27	06/26/15 17:38	1
Di-n-butyl phthalate	ND		9.6	2.3	ug/L		06/24/15 10:27	06/26/15 17:38	1
1,2-Dichlorobenzene	ND		9.6	1.0	ug/L		06/24/15 10:27	06/26/15 17:38	1
1,3-Dichlorobenzene	ND		9.6	0.72	ug/L		06/24/15 10:27	06/26/15 17:38	1
3,3'-Dichlorobenzidine	ND		9.6	1.4	ug/L		06/24/15 10:27	06/26/15 17:38	1
2,4-Dichlorophenol	ND		9.6	0.65	ug/L		06/24/15 10:27	06/26/15 17:38	1
Diethyl phthalate	ND		9.6	2.9	ug/L		06/24/15 10:27	06/26/15 17:38	1
2,4-Dimethylphenol	ND		9.6	1.6	ug/L		06/24/15 10:27	06/26/15 17:38	1
Dimethyl phthalate	ND		9.6	1.8	ug/L		06/24/15 10:27	06/26/15 17:38	1
4,6-Dinitro-2-methylphenol	ND		48	15	ug/L		06/24/15 10:27	06/26/15 17:38	1
2,4-Dinitrophenol	ND		48	24	ug/L		06/24/15 10:27	06/26/15 17:38	1
2,4-Dinitrotoluene	ND		9.6	2.1	ug/L		06/24/15 10:27	06/26/15 17:38	1
2,6-Dinitrotoluene	ND		9.6	1.3	ug/L		06/24/15 10:27	06/26/15 17:38	1
Di-n-octyl phthalate	ND		9.6	2.0	ug/L		06/24/15 10:27	06/26/15 17:38	1
Fluoranthene	ND		1.9	0.20	ug/L		06/24/15 10:27	06/26/15 17:38	1
Fluorene	ND		1.9	0.23	ug/L		06/24/15 10:27	06/26/15 17:38	1
Hexachlorobenzene	ND		9.6	0.59	ug/L		06/24/15 10:27	06/26/15 17:38	1
Hexachlorobutadiene	ND		9.6	0.90	ug/L		06/24/15 10:27	06/26/15 17:38	1
Hexachlorocyclopentadiene	ND		9.6	1.3	ug/L		06/24/15 10:27	06/26/15 17:38	1
Hexachloroethane	ND		9.6	1.3	ug/L		06/24/15 10:27	06/26/15 17:38	1
Indeno[1,2,3-cd]pyrene	ND		1.9	0.42	ug/L		06/24/15 10:27	06/26/15 17:38	1
Isophorone	ND		9.6	0.71	ug/L		06/24/15 10:27	06/26/15 17:38	1
2-Methylnaphthalene	ND		1.9	0.18	ug/L		06/24/15 10:27	06/26/15 17:38	1
2-Methylphenol	ND		9.6	1.8	ug/L		06/24/15 10:27	06/26/15 17:38	1
4-Methylphenol	ND		9.6	2.0	ug/L		06/24/15 10:27	06/26/15 17:38	1
Naphthalene	ND		1.9	0.22	ug/L		06/24/15 10:27	06/26/15 17:38	1
2-Nitroaniline	ND		48	6.5	ug/L		06/24/15 10:27	06/26/15 17:38	1

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

Client Sample ID: WG-9954-061715-DJT-001
Date Collected: 06/17/15 13:15
Date Received: 06/18/15 08:55

Lab Sample ID: 180-45199-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		48	7.7	ug/L		06/24/15 10:27	06/26/15 17:38	1
4-Nitroaniline	ND		48	7.4	ug/L		06/24/15 10:27	06/26/15 17:38	1
Nitrobenzene	ND		19	1.4	ug/L		06/24/15 10:27	06/26/15 17:38	1
2-Nitrophenol	ND		9.6	1.1	ug/L		06/24/15 10:27	06/26/15 17:38	1
4-Nitrophenol	ND		48	7.7	ug/L		06/24/15 10:27	06/26/15 17:38	1
N-Nitrosodiphenylamine	ND		9.6	1.2	ug/L		06/24/15 10:27	06/26/15 17:38	1
N-Nitrosodi-n-propylamine	ND		9.6	0.48	ug/L		06/24/15 10:27	06/26/15 17:38	1
Pentachlorophenol	ND		9.6	4.8	ug/L		06/24/15 10:27	06/26/15 17:38	1
Phenanthrene	ND		1.9	0.40	ug/L		06/24/15 10:27	06/26/15 17:38	1
Phenol	ND		9.6	0.53	ug/L		06/24/15 10:27	06/26/15 17:38	1
Pyrene	ND		1.9	0.22	ug/L		06/24/15 10:27	06/26/15 17:38	1
1,2,4-Trichlorobenzene	ND		9.6	0.82	ug/L		06/24/15 10:27	06/26/15 17:38	1
2,4,5-Trichlorophenol	ND		9.6	1.2	ug/L		06/24/15 10:27	06/26/15 17:38	1
2,4,6-Trichlorophenol	ND		9.6	2.9	ug/L		06/24/15 10:27	06/26/15 17:38	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*12*	*T J*	*ug/L*		*1.48*		*06/24/15 10:27*	*06/26/15 17:38*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*81*		*28 - 106*	*06/24/15 10:27*	*06/26/15 17:38*	*1*
2-Fluorophenol	*73*		*20 - 108*	*06/24/15 10:27*	*06/26/15 17:38*	*1*
2,4,6-Tribromophenol	*87*		*25 - 118*	*06/24/15 10:27*	*06/26/15 17:38*	*1*
Nitrobenzene-d5	*80*		*27 - 110*	*06/24/15 10:27*	*06/26/15 17:38*	*1*
Phenol-d5	*77*		*23 - 111*	*06/24/15 10:27*	*06/26/15 17:38*	*1*
Terphenyl-d14	*60*		*20 - 109*	*06/24/15 10:27*	*06/26/15 17:38*	*1*

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

Client Sample ID: WG-9954-061715-DJT-002
Date Collected: 06/17/15 13:45
Date Received: 06/18/15 08:55

Lab Sample ID: 180-45199-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		1.9	0.27	ug/L		06/24/15 10:27	06/26/15 18:05	1
Acenaphthylene	ND		1.9	0.20	ug/L		06/24/15 10:27	06/26/15 18:05	1
Anthracene	ND		1.9	0.18	ug/L		06/24/15 10:27	06/26/15 18:05	1
Benzo[a]anthracene	ND		1.9	0.34	ug/L		06/24/15 10:27	06/26/15 18:05	1
Benzo[b]fluoranthene	ND		1.9	0.45	ug/L		06/24/15 10:27	06/26/15 18:05	1
Benzo[k]fluoranthene	ND		1.9	0.28	ug/L		06/24/15 10:27	06/26/15 18:05	1
Benzoic acid	ND		46	15	ug/L		06/24/15 10:27	06/26/15 18:05	1
Benzo[g,h,i]perylene	ND		1.9	0.27	ug/L		06/24/15 10:27	06/26/15 18:05	1
Benzo[a]pyrene	ND		1.9	0.26	ug/L		06/24/15 10:27	06/26/15 18:05	1
Benzyl alcohol	ND		9.3	1.8	ug/L		06/24/15 10:27	06/26/15 18:05	1
Bis(2-chloroethoxy)methane	ND		9.3	1.2	ug/L		06/24/15 10:27	06/26/15 18:05	1
Bis(2-chloroethyl)ether	ND		9.3	0.29	ug/L		06/24/15 10:27	06/26/15 18:05	1
Bis(2-ethylhexyl) phthalate	ND		19	4.1	ug/L		06/24/15 10:27	06/26/15 18:05	1
4-Bromophenyl phenyl ether	ND		9.3	1.1	ug/L		06/24/15 10:27	06/26/15 18:05	1
Butyl benzyl phthalate	ND		9.3	2.0	ug/L		06/24/15 10:27	06/26/15 18:05	1
4-Chloroaniline	ND		9.3	2.7	ug/L		06/24/15 10:27	06/26/15 18:05	1
4-Chloro-3-methylphenol	ND		9.3	1.6	ug/L		06/24/15 10:27	06/26/15 18:05	1
2-Chloronaphthalene	ND		1.9	0.28	ug/L		06/24/15 10:27	06/26/15 18:05	1
2-Chlorophenol	ND		9.3	2.1	ug/L		06/24/15 10:27	06/26/15 18:05	1
4-Chlorophenyl phenyl ether	ND		9.3	0.74	ug/L		06/24/15 10:27	06/26/15 18:05	1
Chrysene	ND		1.9	0.29	ug/L		06/24/15 10:27	06/26/15 18:05	1
Dibenz(a,h)anthracene	ND		1.9	0.25	ug/L		06/24/15 10:27	06/26/15 18:05	1
Dibenzofuran	ND		9.3	0.89	ug/L		06/24/15 10:27	06/26/15 18:05	1
Di-n-butyl phthalate	ND		9.3	2.2	ug/L		06/24/15 10:27	06/26/15 18:05	1
1,2-Dichlorobenzene	ND		9.3	1.0	ug/L		06/24/15 10:27	06/26/15 18:05	1
1,3-Dichlorobenzene	ND		9.3	0.70	ug/L		06/24/15 10:27	06/26/15 18:05	1
3,3'-Dichlorobenzidine	ND		9.3	1.4	ug/L		06/24/15 10:27	06/26/15 18:05	1
2,4-Dichlorophenol	ND		9.3	0.62	ug/L		06/24/15 10:27	06/26/15 18:05	1
Diethyl phthalate	ND		9.3	2.7	ug/L		06/24/15 10:27	06/26/15 18:05	1
2,4-Dimethylphenol	ND		9.3	1.6	ug/L		06/24/15 10:27	06/26/15 18:05	1
Dimethyl phthalate	ND		9.3	1.7	ug/L		06/24/15 10:27	06/26/15 18:05	1
4,6-Dinitro-2-methylphenol	ND		46	14	ug/L		06/24/15 10:27	06/26/15 18:05	1
2,4-Dinitrophenol	ND		46	23	ug/L		06/24/15 10:27	06/26/15 18:05	1
2,4-Dinitrotoluene	ND		9.3	2.0	ug/L		06/24/15 10:27	06/26/15 18:05	1
2,6-Dinitrotoluene	ND		9.3	1.3	ug/L		06/24/15 10:27	06/26/15 18:05	1
Di-n-octyl phthalate	ND		9.3	1.9	ug/L		06/24/15 10:27	06/26/15 18:05	1
Fluoranthene	ND		1.9	0.20	ug/L		06/24/15 10:27	06/26/15 18:05	1
Fluorene	ND		1.9	0.22	ug/L		06/24/15 10:27	06/26/15 18:05	1
Hexachlorobenzene	ND		9.3	0.56	ug/L		06/24/15 10:27	06/26/15 18:05	1
Hexachlorobutadiene	ND		9.3	0.87	ug/L		06/24/15 10:27	06/26/15 18:05	1
Hexachlorocyclopentadiene	ND		9.3	1.3	ug/L		06/24/15 10:27	06/26/15 18:05	1
Hexachloroethane	ND		9.3	1.3	ug/L		06/24/15 10:27	06/26/15 18:05	1
Indeno[1,2,3-cd]pyrene	ND		1.9	0.40	ug/L		06/24/15 10:27	06/26/15 18:05	1
Isophorone	ND		9.3	0.68	ug/L		06/24/15 10:27	06/26/15 18:05	1
2-Methylnaphthalene	ND		1.9	0.18	ug/L		06/24/15 10:27	06/26/15 18:05	1
2-Methylphenol	ND		9.3	1.7	ug/L		06/24/15 10:27	06/26/15 18:05	1
4-Methylphenol	ND		9.3	1.9	ug/L		06/24/15 10:27	06/26/15 18:05	1
Naphthalene	ND		1.9	0.21	ug/L		06/24/15 10:27	06/26/15 18:05	1
2-Nitroaniline	ND		46	6.2	ug/L		06/24/15 10:27	06/26/15 18:05	1

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

Client Sample ID: WG-9954-061715-DJT-002
Date Collected: 06/17/15 13:45
Date Received: 06/18/15 08:55

Lab Sample ID: 180-45199-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		46	7.5	ug/L		06/24/15 10:27	06/26/15 18:05	1
4-Nitroaniline	ND		46	7.2	ug/L		06/24/15 10:27	06/26/15 18:05	1
Nitrobenzene	ND		19	1.4	ug/L		06/24/15 10:27	06/26/15 18:05	1
2-Nitrophenol	ND		9.3	1.0	ug/L		06/24/15 10:27	06/26/15 18:05	1
4-Nitrophenol	ND		46	7.4	ug/L		06/24/15 10:27	06/26/15 18:05	1
N-Nitrosodiphenylamine	ND		9.3	1.1	ug/L		06/24/15 10:27	06/26/15 18:05	1
N-Nitrosodi-n-propylamine	ND		9.3	0.46	ug/L		06/24/15 10:27	06/26/15 18:05	1
Pentachlorophenol	ND		9.3	4.6	ug/L		06/24/15 10:27	06/26/15 18:05	1
Phenanthrene	ND		1.9	0.38	ug/L		06/24/15 10:27	06/26/15 18:05	1
Phenol	ND		9.3	0.51	ug/L		06/24/15 10:27	06/26/15 18:05	1
Pyrene	ND		1.9	0.21	ug/L		06/24/15 10:27	06/26/15 18:05	1
1,2,4-Trichlorobenzene	ND		9.3	0.79	ug/L		06/24/15 10:27	06/26/15 18:05	1
2,4,5-Trichlorophenol	ND		9.3	1.1	ug/L		06/24/15 10:27	06/26/15 18:05	1
2,4,6-Trichlorophenol	ND		9.3	2.8	ug/L		06/24/15 10:27	06/26/15 18:05	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*13*	*T J*	*ug/L*		*1.48*		*06/24/15 10:27*	*06/26/15 18:05*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*94*		*28 - 106*	*06/24/15 10:27*	*06/26/15 18:05*	*1*
2-Fluorophenol	*83*		*20 - 108*	*06/24/15 10:27*	*06/26/15 18:05*	*1*
2,4,6-Tribromophenol	*103*		*25 - 118*	*06/24/15 10:27*	*06/26/15 18:05*	*1*
Nitrobenzene-d5	*91*		*27 - 110*	*06/24/15 10:27*	*06/26/15 18:05*	*1*
Phenol-d5	*88*		*23 - 111*	*06/24/15 10:27*	*06/26/15 18:05*	*1*
Terphenyl-d14	*118*	*X*	*20 - 109*	*06/24/15 10:27*	*06/26/15 18:05*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45199-1

Method: 8081B - Organochlorine Pesticides (GC)

Client Sample ID: WG-9954-061715-DJT-003
Date Collected: 06/17/15 14:15
Date Received: 06/18/15 08:55

Lab Sample ID: 180-45199-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.050	0.033	ug/L		06/23/15 09:53	07/01/15 22:55	1
alpha-BHC	ND		0.050	0.027	ug/L		06/23/15 09:53	07/01/15 22:55	1
beta-BHC	ND		0.050	0.040	ug/L		06/23/15 09:53	07/01/15 22:55	1
delta-BHC	ND		0.050	0.017	ug/L		06/23/15 09:53	07/01/15 22:55	1
gamma-BHC (Lindane)	ND		0.050	0.032	ug/L		06/23/15 09:53	07/01/15 22:55	1
alpha-Chlordane	ND		0.050	0.039	ug/L		06/23/15 09:53	07/01/15 22:55	1
gamma-Chlordane	ND		0.050	0.039	ug/L		06/23/15 09:53	07/01/15 22:55	1
4,4'-DDD	ND		0.050	0.027	ug/L		06/23/15 09:53	07/01/15 22:55	1
4,4'-DDE	ND		0.050	0.032	ug/L		06/23/15 09:53	07/01/15 22:55	1
4,4'-DDT	ND		0.050	0.030	ug/L		06/23/15 09:53	07/01/15 22:55	1
Dieldrin	ND		0.050	0.033	ug/L		06/23/15 09:53	07/01/15 22:55	1
Endosulfan I	ND		0.050	0.038	ug/L		06/23/15 09:53	07/01/15 22:55	1
Endosulfan II	ND		0.050	0.039	ug/L		06/23/15 09:53	07/01/15 22:55	1
Endosulfan sulfate	ND		0.050	0.023	ug/L		06/23/15 09:53	07/01/15 22:55	1
Endrin	ND		0.050	0.039	ug/L		06/23/15 09:53	07/01/15 22:55	1
Endrin ketone	ND		0.050	0.037	ug/L		06/23/15 09:53	07/01/15 22:55	1
Heptachlor	ND		0.050	0.040	ug/L		06/23/15 09:53	07/01/15 22:55	1
Heptachlor epoxide	ND		0.050	0.039	ug/L		06/23/15 09:53	07/01/15 22:55	1
Methoxychlor	ND		0.10	0.037	ug/L		06/23/15 09:53	07/01/15 22:55	1
Toxaphene	ND		4.0	0.74	ug/L		06/23/15 09:53	07/01/15 22:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*85*		*45 - 130*	*06/23/15 09:53*	*07/01/15 22:55*	*1*
Tetrachloro-m-xylene	*78*		*45 - 130*	*06/23/15 09:53*	*07/01/15 22:55*	*1*
DCB Decachlorobiphenyl (Surr)	*89*		*45 - 130*	*06/23/15 09:53*	*07/01/15 22:55*	*1*
DCB Decachlorobiphenyl (Surr)	*85*		*45 - 130*	*06/23/15 09:53*	*07/01/15 22:55*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45199-1

Method: 8081B - Organochlorine Pesticides (GC)

Client Sample ID: WG-9954-061715-DJT-001
Date Collected: 06/17/15 13:15
Date Received: 06/18/15 08:55

Lab Sample ID: 180-45199-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.050	0.033	ug/L		06/23/15 09:53	07/01/15 23:10	1
alpha-BHC	ND		0.050	0.027	ug/L		06/23/15 09:53	07/01/15 23:10	1
beta-BHC	ND		0.050	0.040	ug/L		06/23/15 09:53	07/01/15 23:10	1
delta-BHC	ND		0.050	0.017	ug/L		06/23/15 09:53	07/01/15 23:10	1
gamma-BHC (Lindane)	ND		0.050	0.032	ug/L		06/23/15 09:53	07/01/15 23:10	1
alpha-Chlordane	ND		0.050	0.039	ug/L		06/23/15 09:53	07/01/15 23:10	1
gamma-Chlordane	ND		0.050	0.039	ug/L		06/23/15 09:53	07/01/15 23:10	1
4,4'-DDD	ND		0.050	0.027	ug/L		06/23/15 09:53	07/01/15 23:10	1
4,4'-DDE	ND		0.050	0.032	ug/L		06/23/15 09:53	07/01/15 23:10	1
4,4'-DDT	ND		0.050	0.030	ug/L		06/23/15 09:53	07/01/15 23:10	1
Dieldrin	ND		0.050	0.033	ug/L		06/23/15 09:53	07/01/15 23:10	1
Endosulfan I	ND		0.050	0.038	ug/L		06/23/15 09:53	07/01/15 23:10	1
Endosulfan II	ND		0.050	0.039	ug/L		06/23/15 09:53	07/01/15 23:10	1
Endosulfan sulfate	ND		0.050	0.023	ug/L		06/23/15 09:53	07/01/15 23:10	1
Endrin	ND		0.050	0.039	ug/L		06/23/15 09:53	07/01/15 23:10	1
Endrin ketone	ND		0.050	0.037	ug/L		06/23/15 09:53	07/01/15 23:10	1
Heptachlor	ND		0.050	0.040	ug/L		06/23/15 09:53	07/01/15 23:10	1
Heptachlor epoxide	ND		0.050	0.039	ug/L		06/23/15 09:53	07/01/15 23:10	1
Methoxychlor	ND		0.10	0.037	ug/L		06/23/15 09:53	07/01/15 23:10	1
Toxaphene	ND		4.0	0.74	ug/L		06/23/15 09:53	07/01/15 23:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*67*		*45 - 130*	*06/23/15 09:53*	*07/01/15 23:10*	*1*
Tetrachloro-m-xylene	*64*		*45 - 130*	*06/23/15 09:53*	*07/01/15 23:10*	*1*
DCB Decachlorobiphenyl (Surr)	*78*		*45 - 130*	*06/23/15 09:53*	*07/01/15 23:10*	*1*
DCB Decachlorobiphenyl (Surr)	*78*		*45 - 130*	*06/23/15 09:53*	*07/01/15 23:10*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45199-1

Method: 8081B - Organochlorine Pesticides (GC)

Client Sample ID: WG-9954-061715-DJT-002
Date Collected: 06/17/15 13:45
Date Received: 06/18/15 08:55

Lab Sample ID: 180-45199-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.050	0.033	ug/L		06/23/15 09:53	07/02/15 00:28	1
alpha-BHC	ND		0.050	0.027	ug/L		06/23/15 09:53	07/02/15 00:28	1
beta-BHC	ND		0.050	0.040	ug/L		06/23/15 09:53	07/02/15 00:28	1
delta-BHC	ND		0.050	0.017	ug/L		06/23/15 09:53	07/02/15 00:28	1
gamma-BHC (Lindane)	ND		0.050	0.032	ug/L		06/23/15 09:53	07/02/15 00:28	1
alpha-Chlordane	ND		0.050	0.039	ug/L		06/23/15 09:53	07/02/15 00:28	1
gamma-Chlordane	ND		0.050	0.039	ug/L		06/23/15 09:53	07/02/15 00:28	1
4,4'-DDD	ND		0.050	0.027	ug/L		06/23/15 09:53	07/02/15 00:28	1
4,4'-DDE	ND		0.050	0.032	ug/L		06/23/15 09:53	07/02/15 00:28	1
4,4'-DDT	ND		0.050	0.030	ug/L		06/23/15 09:53	07/02/15 00:28	1
Dieldrin	ND		0.050	0.033	ug/L		06/23/15 09:53	07/02/15 00:28	1
Endosulfan I	ND		0.050	0.038	ug/L		06/23/15 09:53	07/02/15 00:28	1
Endosulfan II	ND		0.050	0.039	ug/L		06/23/15 09:53	07/02/15 00:28	1
Endosulfan sulfate	ND		0.050	0.023	ug/L		06/23/15 09:53	07/02/15 00:28	1
Endrin	ND		0.050	0.039	ug/L		06/23/15 09:53	07/02/15 00:28	1
Endrin ketone	ND		0.050	0.037	ug/L		06/23/15 09:53	07/02/15 00:28	1
Heptachlor	ND		0.050	0.040	ug/L		06/23/15 09:53	07/02/15 00:28	1
Heptachlor epoxide	ND		0.050	0.039	ug/L		06/23/15 09:53	07/02/15 00:28	1
Methoxychlor	ND		0.10	0.037	ug/L		06/23/15 09:53	07/02/15 00:28	1
Toxaphene	ND		4.0	0.74	ug/L		06/23/15 09:53	07/02/15 00:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*70*		*45 - 130*	*06/23/15 09:53*	*07/02/15 00:28*	*1*
Tetrachloro-m-xylene	*67*		*45 - 130*	*06/23/15 09:53*	*07/02/15 00:28*	*1*
DCB Decachlorobiphenyl (Surr)	*81*		*45 - 130*	*06/23/15 09:53*	*07/02/15 00:28*	*1*
DCB Decachlorobiphenyl (Surr)	*78*		*45 - 130*	*06/23/15 09:53*	*07/02/15 00:28*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45199-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: WG-9954-061715-DJT-003
Date Collected: 06/17/15 14:15
Date Received: 06/18/15 08:55

Lab Sample ID: 180-45199-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.40	0.10	ug/L		06/23/15 09:53	06/24/15 07:19	1
PCB-1221	ND		0.40	0.16	ug/L		06/23/15 09:53	06/24/15 07:19	1
PCB-1232	ND		0.40	0.16	ug/L		06/23/15 09:53	06/24/15 07:19	1
PCB-1242	ND		0.40	0.074	ug/L		06/23/15 09:53	06/24/15 07:19	1
PCB-1248	ND		0.40	0.11	ug/L		06/23/15 09:53	06/24/15 07:19	1
PCB-1254	ND		0.40	0.12	ug/L		06/23/15 09:53	06/24/15 07:19	1
PCB-1260	ND		0.40	0.068	ug/L		06/23/15 09:53	06/24/15 07:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*74*		*35 - 140*	*06/23/15 09:53*	*06/24/15 07:19*	*1*
Tetrachloro-m-xylene (Surr)	*75*		*35 - 140*	*06/23/15 09:53*	*06/24/15 07:19*	*1*
DCB Decachlorobiphenyl (Surr)	*85*		*35 - 140*	*06/23/15 09:53*	*06/24/15 07:19*	*1*
DCB Decachlorobiphenyl (Surr)	*87*		*35 - 140*	*06/23/15 09:53*	*06/24/15 07:19*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45199-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: WG-9954-061715-DJT-001
Date Collected: 06/17/15 13:15
Date Received: 06/18/15 08:55

Lab Sample ID: 180-45199-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.40	0.10	ug/L		06/23/15 09:53	06/24/15 07:37	1
PCB-1221	ND		0.40	0.16	ug/L		06/23/15 09:53	06/24/15 07:37	1
PCB-1232	ND		0.40	0.16	ug/L		06/23/15 09:53	06/24/15 07:37	1
PCB-1242	ND		0.40	0.074	ug/L		06/23/15 09:53	06/24/15 07:37	1
PCB-1248	ND		0.40	0.11	ug/L		06/23/15 09:53	06/24/15 07:37	1
PCB-1254	ND		0.40	0.12	ug/L		06/23/15 09:53	06/24/15 07:37	1
PCB-1260	ND		0.40	0.068	ug/L		06/23/15 09:53	06/24/15 07:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*67*		*35 - 140*	*06/23/15 09:53*	*06/24/15 07:37*	*1*
Tetrachloro-m-xylene (Surr)	*67*		*35 - 140*	*06/23/15 09:53*	*06/24/15 07:37*	*1*
DCB Decachlorobiphenyl (Surr)	*83*		*35 - 140*	*06/23/15 09:53*	*06/24/15 07:37*	*1*
DCB Decachlorobiphenyl (Surr)	*85*		*35 - 140*	*06/23/15 09:53*	*06/24/15 07:37*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45199-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: WG-9954-061715-DJT-002
Date Collected: 06/17/15 13:45
Date Received: 06/18/15 08:55

Lab Sample ID: 180-45199-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.40	0.10	ug/L		06/23/15 09:53	06/24/15 07:56	1
PCB-1221	ND		0.40	0.16	ug/L		06/23/15 09:53	06/24/15 07:56	1
PCB-1232	ND		0.40	0.16	ug/L		06/23/15 09:53	06/24/15 07:56	1
PCB-1242	ND		0.40	0.074	ug/L		06/23/15 09:53	06/24/15 07:56	1
PCB-1248	ND		0.40	0.11	ug/L		06/23/15 09:53	06/24/15 07:56	1
PCB-1254	ND		0.40	0.12	ug/L		06/23/15 09:53	06/24/15 07:56	1
PCB-1260	ND		0.40	0.068	ug/L		06/23/15 09:53	06/24/15 07:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*67*		*35 - 140*	*06/23/15 09:53*	*06/24/15 07:56*	*1*
Tetrachloro-m-xylene (Surr)	*69*		*35 - 140*	*06/23/15 09:53*	*06/24/15 07:56*	*1*
DCB Decachlorobiphenyl (Surr)	*83*		*35 - 140*	*06/23/15 09:53*	*06/24/15 07:56*	*1*
DCB Decachlorobiphenyl (Surr)	*86*		*35 - 140*	*06/23/15 09:53*	*06/24/15 07:56*	*1*

CHAIN-OF-CUSTODY/Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Client Information	
GLEN SPRINGS HOLDINGS INC	Report To: Susan Scrocchi
805 97TH STREET	Copy To:
LOVE CANAL	
NIAGARA FALLS, NEW YORK 14304	Invoice To:
Phone: 716-283-0111	PO:
Fax: 716-283-2856	Project Name: LOVE CANAL ANNUAL GW
Email: sscrocchi@craworld.com	Project Number: 9954

Lab Information
Laboratory: TEST AMERICA PITTSBURGH
Laboratory Location: 301 ALPHA DRIVE PITTSBURGH, PA 15238
Laboratory Contact: JILL COLUSSY
Requested Due Date: TAT: 10
QA/QC Requirements:

Event Information
ID#: LC ANNUAL GW SAMPLING-01-1
SSOW Ref#:
Sampler Name: SHAWN GARDNER

Valid Matrix Code
WG Groundwater
WB Borehole Water
WS Surface Water
SO Soil
SE Sediment

Sample Identification	Matrix Code	Date Collected	Time Collected	PestPCBs(None)	SVOC(none)	VOA(HCl)	Remarks
LCTRIP-061715	WG Q	06/17/2015	00:00	0	0	2	
WG-9954-061715-DJT-003	WG	06/17/2015	14:15	2	2	3	
WG-9954-061715-DJT-001	WG	06/17/2015	13:15	2	2	3	
WG-9954-061715-DJT-002	WG	06/17/2015	13:45	2	2	3	
Total Bottles				**6**	**6**	**11**	**Grand Total:23**

Sample Condition

Temp in C	
Received on ice	Y/N
Sealed Cooler	Y/N
Samples Intact	Y/N

180-45199 Chain of Custody

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY:	DATE	TIME	RECIEVED BY:	DATE	TIME
FedEx	1	Shawn Gardner	6/17/15	1520	Ellie Watson	6-18-15	8:55
AIRBILL#:							

ANALYTICAL REPORT

Job Number: 180-45315-1

Job Description: 9954, Love Canal Annual

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

Attention: Ms. Sue Scrocchi

Approved for release.
Jill L Colussy
Project Manager I
7/7/2015 5:10 PM

Jill L Colussy, Project Manager I
301 Alpha Drive, Pittsburgh, PA, 15238
(412)963-2444
jill.colussy@testamericainc.com
07/07/2015

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of TestAmerica and its client. All questions regarding this report should be directed to the TestAmerica Project Manager or designee who has signed this report.

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
F1	MS and/or MSD Recovery is outside acceptance limits.

GC/MS Semi VOA

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

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
T	Result is a tentatively identified compound (TIC) and an estimated value.
N	Presumptive evidence of material.

Glossary

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

CASE NARRATIVE

Client: Conestoga-Rovers & Associates, Inc.

Project: 9954, Love Canal Annual

Report Number: 180-45315-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT
The samples were received on 6/23/2015 9:15 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 2.6º C and 2.7º C.

Sample LCTRIP-062215-DJT was assigned a sampling time of 12:20 (the earliest sampling time) as per laboratory SOP.

VOLATILES
The laboratory control standard for batch 180-146491 recovered high and outside of the control limits for 1,1-Dichloroethene and Vinyl Acetate. As the recoveries were high and all samples were non-detect for these compounds, all data was reported

The matrix spike and matrix spike duplicate of sample WG-9954-062215-DJT-004 (180-45315-1) recovered outside of the control limits for 1,1-Dichloroethene and Vinyl Acetate.

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

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

PCBS
No 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: 9954, Love Canal Annual

TestAmerica Job ID: 180-45315-1

Client Sample ID: WG-9954-062215-DJT-004 — Lab Sample ID: 180-45315-1

No Detections.

Client Sample ID: WG-9954-062215-DJT-005 — Lab Sample ID: 180-45315-2

No Detections.

Client Sample ID: WG-9954-062215-DJT-006 — Lab Sample ID: 180-45315-3

No Detections.

Client Sample ID: WG-9954-062215-DJT-007 — Lab Sample ID: 180-45315-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	5.7	J	19	4.2	ug/L	1		8270D	Total/NA

Client Sample ID: WG-9954-062215-DJT-008 — Lab Sample ID: 180-45315-5

No Detections.

Client Sample ID: WG-9954-062215-DJT-009 — Lab Sample ID: 180-45315-6

No Detections.

Client Sample ID: LCTRIP-062215-DJT — Lab Sample ID: 180-45315-7

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45315-1

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

Client Sample ID: WG-9954-062215-DJT-004
Date Collected: 06/22/15 12:20
Date Received: 06/23/15 09:15

Lab Sample ID: 180-45315-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	1.0	ug/L			06/30/15 11:32	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.93	ug/L			06/30/15 11:32	1
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			06/30/15 11:32	1
1,1-Dichloroethane	ND		5.0	1.0	ug/L			06/30/15 11:32	1
1,1-Dichloroethene	ND	F1 *	5.0	1.1	ug/L			06/30/15 11:32	1
1,2-Dichloroethane	ND		5.0	0.96	ug/L			06/30/15 11:32	1
1,2-Dichloropropane	ND		5.0	1.3	ug/L			06/30/15 11:32	1
2-Butanone (MEK)	ND		5.0	1.1	ug/L			06/30/15 11:32	1
2-Hexanone	ND		5.0	0.57	ug/L			06/30/15 11:32	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.59	ug/L			06/30/15 11:32	1
Acetone	ND		20	5.0	ug/L			06/30/15 11:32	1
Benzene	ND		5.0	0.99	ug/L			06/30/15 11:32	1
Bromodichloromethane	ND		5.0	0.93	ug/L			06/30/15 11:32	1
Bromoform	ND		5.0	1.1	ug/L			06/30/15 11:32	1
Bromomethane	ND		5.0	1.6	ug/L			06/30/15 11:32	1
Carbon disulfide	ND		5.0	1.1	ug/L			06/30/15 11:32	1
Carbon tetrachloride	ND		5.0	1.1	ug/L			06/30/15 11:32	1
Chlorobenzene	ND		5.0	0.53	ug/L			06/30/15 11:32	1
Chloroethane	ND		5.0	0.75	ug/L			06/30/15 11:32	1
Chloroform	ND		5.0	1.0	ug/L			06/30/15 11:32	1
Chloromethane	ND		5.0	1.4	ug/L			06/30/15 11:32	1
cis-1,2-Dichloroethene	ND		5.0	0.67	ug/L			06/30/15 11:32	1
cis-1,3-Dichloropropene	ND		5.0	0.73	ug/L			06/30/15 11:32	1
Dibromochloromethane	ND		5.0	0.65	ug/L			06/30/15 11:32	1
Ethylbenzene	ND		5.0	0.62	ug/L			06/30/15 11:32	1
Methylene Chloride	ND		5.0	1.1	ug/L			06/30/15 11:32	1
Styrene	ND		5.0	0.64	ug/L			06/30/15 11:32	1
Tetrachloroethene	ND		5.0	0.82	ug/L			06/30/15 11:32	1
Toluene	ND		5.0	0.85	ug/L			06/30/15 11:32	1
trans-1,2-Dichloroethene	ND		5.0	0.75	ug/L			06/30/15 11:32	1
trans-1,3-Dichloropropene	ND		5.0	0.58	ug/L			06/30/15 11:32	1
Trichloroethene	ND		5.0	0.80	ug/L			06/30/15 11:32	1
Vinyl acetate	ND	F1 *	5.0	0.86	ug/L			06/30/15 11:32	1
Vinyl chloride	ND		5.0	1.3	ug/L			06/30/15 11:32	1
Xylenes, Total	ND		10	1.7	ug/L			06/30/15 11:32	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*06/30/15 11:32*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*69*		*62 - 123*		*06/30/15 11:32*	*1*
4-Bromofluorobenzene (Surr)	*85*		*75 - 120*		*06/30/15 11:32*	*1*
Dibromofluoromethane (Surr)	*88*		*80 - 120*		*06/30/15 11:32*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*06/30/15 11:32*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45315-1

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

Client Sample ID: WG-9954-062215-DJT-005
Date Collected: 06/22/15 13:05
Date Received: 06/23/15 09:15

Lab Sample ID: 180-45315-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	1.0	ug/L			06/30/15 13:59	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.93	ug/L			06/30/15 13:59	1
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			06/30/15 13:59	1
1,1-Dichloroethane	ND		5.0	1.0	ug/L			06/30/15 13:59	1
1,1-Dichloroethene	ND	*	5.0	1.1	ug/L			06/30/15 13:59	1
1,2-Dichloroethane	ND		5.0	0.96	ug/L			06/30/15 13:59	1
1,2-Dichloropropane	ND		5.0	1.3	ug/L			06/30/15 13:59	1
2-Butanone (MEK)	ND		5.0	1.1	ug/L			06/30/15 13:59	1
2-Hexanone	ND		5.0	0.57	ug/L			06/30/15 13:59	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.59	ug/L			06/30/15 13:59	1
Acetone	ND		20	5.0	ug/L			06/30/15 13:59	1
Benzene	ND		5.0	0.99	ug/L			06/30/15 13:59	1
Bromodichloromethane	ND		5.0	0.93	ug/L			06/30/15 13:59	1
Bromoform	ND		5.0	1.1	ug/L			06/30/15 13:59	1
Bromomethane	ND		5.0	1.6	ug/L			06/30/15 13:59	1
Carbon disulfide	ND		5.0	1.1	ug/L			06/30/15 13:59	1
Carbon tetrachloride	ND		5.0	1.1	ug/L			06/30/15 13:59	1
Chlorobenzene	ND		5.0	0.53	ug/L			06/30/15 13:59	1
Chloroethane	ND		5.0	0.75	ug/L			06/30/15 13:59	1
Chloroform	ND		5.0	1.0	ug/L			06/30/15 13:59	1
Chloromethane	ND		5.0	1.4	ug/L			06/30/15 13:59	1
cis-1,2-Dichloroethene	ND		5.0	0.67	ug/L			06/30/15 13:59	1
cis-1,3-Dichloropropene	ND		5.0	0.73	ug/L			06/30/15 13:59	1
Dibromochloromethane	ND		5.0	0.65	ug/L			06/30/15 13:59	1
Ethylbenzene	ND		5.0	0.62	ug/L			06/30/15 13:59	1
Methylene Chloride	ND		5.0	1.1	ug/L			06/30/15 13:59	1
Styrene	ND		5.0	0.64	ug/L			06/30/15 13:59	1
Tetrachloroethene	ND		5.0	0.82	ug/L			06/30/15 13:59	1
Toluene	ND		5.0	0.85	ug/L			06/30/15 13:59	1
trans-1,2-Dichloroethene	ND		5.0	0.75	ug/L			06/30/15 13:59	1
trans-1,3-Dichloropropene	ND		5.0	0.58	ug/L			06/30/15 13:59	1
Trichloroethene	ND		5.0	0.80	ug/L			06/30/15 13:59	1
Vinyl acetate	ND	*	5.0	0.86	ug/L			06/30/15 13:59	1
Vinyl chloride	ND		5.0	1.3	ug/L			06/30/15 13:59	1
Xylenes, Total	ND		10	1.7	ug/L			06/30/15 13:59	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*06/30/15 13:59*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*70*		*62 - 123*		*06/30/15 13:59*	*1*
4-Bromofluorobenzene (Surr)	*88*		*75 - 120*		*06/30/15 13:59*	*1*
Dibromofluoromethane (Surr)	*90*		*80 - 120*		*06/30/15 13:59*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*06/30/15 13:59*	*1*

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

Client Sample ID: WG-9954-062215-DJT-006
Date Collected: 06/22/15 13:40
Date Received: 06/23/15 09:15

Lab Sample ID: 180-45315-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	1.0	ug/L			06/30/15 16:40	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.93	ug/L			06/30/15 16:40	1
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			06/30/15 16:40	1
1,1-Dichloroethane	ND		5.0	1.0	ug/L			06/30/15 16:40	1
1,1-Dichloroethene	ND	*	5.0	1.1	ug/L			06/30/15 16:40	1
1,2-Dichloroethane	ND		5.0	0.96	ug/L			06/30/15 16:40	1
1,2-Dichloropropane	ND		5.0	1.3	ug/L			06/30/15 16:40	1
2-Butanone (MEK)	ND		5.0	1.1	ug/L			06/30/15 16:40	1
2-Hexanone	ND		5.0	0.57	ug/L			06/30/15 16:40	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.59	ug/L			06/30/15 16:40	1
Acetone	ND		20	5.0	ug/L			06/30/15 16:40	1
Benzene	ND		5.0	0.99	ug/L			06/30/15 16:40	1
Bromodichloromethane	ND		5.0	0.93	ug/L			06/30/15 16:40	1
Bromoform	ND		5.0	1.1	ug/L			06/30/15 16:40	1
Bromomethane	ND		5.0	1.6	ug/L			06/30/15 16:40	1
Carbon disulfide	ND		5.0	1.1	ug/L			06/30/15 16:40	1
Carbon tetrachloride	ND		5.0	1.1	ug/L			06/30/15 16:40	1
Chlorobenzene	ND		5.0	0.53	ug/L			06/30/15 16:40	1
Chloroethane	ND		5.0	0.75	ug/L			06/30/15 16:40	1
Chloroform	ND		5.0	1.0	ug/L			06/30/15 16:40	1
Chloromethane	ND		5.0	1.4	ug/L			06/30/15 16:40	1
cis-1,2-Dichloroethene	ND		5.0	0.67	ug/L			06/30/15 16:40	1
cis-1,3-Dichloropropene	ND		5.0	0.73	ug/L			06/30/15 16:40	1
Dibromochloromethane	ND		5.0	0.65	ug/L			06/30/15 16:40	1
Ethylbenzene	ND		5.0	0.62	ug/L			06/30/15 16:40	1
Methylene Chloride	ND		5.0	1.1	ug/L			06/30/15 16:40	1
Styrene	ND		5.0	0.64	ug/L			06/30/15 16:40	1
Tetrachloroethene	ND		5.0	0.82	ug/L			06/30/15 16:40	1
Toluene	ND		5.0	0.85	ug/L			06/30/15 16:40	1
trans-1,2-Dichloroethene	ND		5.0	0.75	ug/L			06/30/15 16:40	1
trans-1,3-Dichloropropene	ND		5.0	0.58	ug/L			06/30/15 16:40	1
Trichloroethene	ND		5.0	0.80	ug/L			06/30/15 16:40	1
Vinyl acetate	ND	*	5.0	0.86	ug/L			06/30/15 16:40	1
Vinyl chloride	ND		5.0	1.3	ug/L			06/30/15 16:40	1
Xylenes, Total	ND		10	1.7	ug/L			06/30/15 16:40	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*06/30/15 16:40*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*73*		*62 - 123*		*06/30/15 16:40*	*1*
4-Bromofluorobenzene (Surr)	*86*		*75 - 120*		*06/30/15 16:40*	*1*
Dibromofluoromethane (Surr)	*88*		*80 - 120*		*06/30/15 16:40*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*06/30/15 16:40*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45315-1

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

Client Sample ID: WG-9954-062215-DJT-007
Date Collected: 06/22/15 14:25
Date Received: 06/23/15 09:15

Lab Sample ID: 180-45315-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	1.0	ug/L			06/30/15 14:49	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.93	ug/L			06/30/15 14:49	1
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			06/30/15 14:49	1
1,1-Dichloroethane	ND		5.0	1.0	ug/L			06/30/15 14:49	1
1,1-Dichloroethene	ND	*	5.0	1.1	ug/L			06/30/15 14:49	1
1,2-Dichloroethane	ND		5.0	0.96	ug/L			06/30/15 14:49	1
1,2-Dichloropropane	ND		5.0	1.3	ug/L			06/30/15 14:49	1
2-Butanone (MEK)	ND		5.0	1.1	ug/L			06/30/15 14:49	1
2-Hexanone	ND		5.0	0.57	ug/L			06/30/15 14:49	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.59	ug/L			06/30/15 14:49	1
Acetone	ND		20	5.0	ug/L			06/30/15 14:49	1
Benzene	ND		5.0	0.99	ug/L			06/30/15 14:49	1
Bromodichloromethane	ND		5.0	0.93	ug/L			06/30/15 14:49	1
Bromoform	ND		5.0	1.1	ug/L			06/30/15 14:49	1
Bromomethane	ND		5.0	1.6	ug/L			06/30/15 14:49	1
Carbon disulfide	ND		5.0	1.1	ug/L			06/30/15 14:49	1
Carbon tetrachloride	ND		5.0	1.1	ug/L			06/30/15 14:49	1
Chlorobenzene	ND		5.0	0.53	ug/L			06/30/15 14:49	1
Chloroethane	ND		5.0	0.75	ug/L			06/30/15 14:49	1
Chloroform	ND		5.0	1.0	ug/L			06/30/15 14:49	1
Chloromethane	ND		5.0	1.4	ug/L			06/30/15 14:49	1
cis-1,2-Dichloroethene	ND		5.0	0.67	ug/L			06/30/15 14:49	1
cis-1,3-Dichloropropene	ND		5.0	0.73	ug/L			06/30/15 14:49	1
Dibromochloromethane	ND		5.0	0.65	ug/L			06/30/15 14:49	1
Ethylbenzene	ND		5.0	0.62	ug/L			06/30/15 14:49	1
Methylene Chloride	ND		5.0	1.1	ug/L			06/30/15 14:49	1
Styrene	ND		5.0	0.64	ug/L			06/30/15 14:49	1
Tetrachloroethene	ND		5.0	0.82	ug/L			06/30/15 14:49	1
Toluene	ND		5.0	0.85	ug/L			06/30/15 14:49	1
trans-1,2-Dichloroethene	ND		5.0	0.75	ug/L			06/30/15 14:49	1
trans-1,3-Dichloropropene	ND		5.0	0.58	ug/L			06/30/15 14:49	1
Trichloroethene	ND		5.0	0.80	ug/L			06/30/15 14:49	1
Vinyl acetate	ND	*	5.0	0.86	ug/L			06/30/15 14:49	1
Vinyl chloride	ND		5.0	1.3	ug/L			06/30/15 14:49	1
Xylenes, Total	ND		10	1.7	ug/L			06/30/15 14:49	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*06/30/15 14:49*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*69*		*62 - 123*		*06/30/15 14:49*	*1*
4-Bromofluorobenzene (Surr)	*82*		*75 - 120*		*06/30/15 14:49*	*1*
Dibromofluoromethane (Surr)	*87*		*80 - 120*		*06/30/15 14:49*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*06/30/15 14:49*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45315-1

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

Client Sample ID: WG-9954-062215-DJT-008
Date Collected: 06/22/15 14:25
Date Received: 06/23/15 09:15

Lab Sample ID: 180-45315-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	1.0	ug/L			06/30/15 15:13	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.93	ug/L			06/30/15 15:13	1
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			06/30/15 15:13	1
1,1-Dichloroethane	ND		5.0	1.0	ug/L			06/30/15 15:13	1
1,1-Dichloroethene	ND	*	5.0	1.1	ug/L			06/30/15 15:13	1
1,2-Dichloroethane	ND		5.0	0.96	ug/L			06/30/15 15:13	1
1,2-Dichloropropane	ND		5.0	1.3	ug/L			06/30/15 15:13	1
2-Butanone (MEK)	ND		5.0	1.1	ug/L			06/30/15 15:13	1
2-Hexanone	ND		5.0	0.57	ug/L			06/30/15 15:13	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.59	ug/L			06/30/15 15:13	1
Acetone	ND		20	5.0	ug/L			06/30/15 15:13	1
Benzene	ND		5.0	0.99	ug/L			06/30/15 15:13	1
Bromodichloromethane	ND		5.0	0.93	ug/L			06/30/15 15:13	1
Bromoform	ND		5.0	1.1	ug/L			06/30/15 15:13	1
Bromomethane	ND		5.0	1.6	ug/L			06/30/15 15:13	1
Carbon disulfide	ND		5.0	1.1	ug/L			06/30/15 15:13	1
Carbon tetrachloride	ND		5.0	1.1	ug/L			06/30/15 15:13	1
Chlorobenzene	ND		5.0	0.53	ug/L			06/30/15 15:13	1
Chloroethane	ND		5.0	0.75	ug/L			06/30/15 15:13	1
Chloroform	ND		5.0	1.0	ug/L			06/30/15 15:13	1
Chloromethane	ND		5.0	1.4	ug/L			06/30/15 15:13	1
cis-1,2-Dichloroethene	ND		5.0	0.67	ug/L			06/30/15 15:13	1
cis-1,3-Dichloropropene	ND		5.0	0.73	ug/L			06/30/15 15:13	1
Dibromochloromethane	ND		5.0	0.65	ug/L			06/30/15 15:13	1
Ethylbenzene	ND		5.0	0.62	ug/L			06/30/15 15:13	1
Methylene Chloride	ND		5.0	1.1	ug/L			06/30/15 15:13	1
Styrene	ND		5.0	0.64	ug/L			06/30/15 15:13	1
Tetrachloroethene	ND		5.0	0.82	ug/L			06/30/15 15:13	1
Toluene	ND		5.0	0.85	ug/L			06/30/15 15:13	1
trans-1,2-Dichloroethene	ND		5.0	0.75	ug/L			06/30/15 15:13	1
trans-1,3-Dichloropropene	ND		5.0	0.58	ug/L			06/30/15 15:13	1
Trichloroethene	ND		5.0	0.80	ug/L			06/30/15 15:13	1
Vinyl acetate	ND	*	5.0	0.86	ug/L			06/30/15 15:13	1
Vinyl chloride	ND		5.0	1.3	ug/L			06/30/15 15:13	1
Xylenes, Total	ND		10	1.7	ug/L			06/30/15 15:13	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*06/30/15 15:13*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*73*		*62 - 123*		*06/30/15 15:13*	*1*
4-Bromofluorobenzene (Surr)	*86*		*75 - 120*		*06/30/15 15:13*	*1*
Dibromofluoromethane (Surr)	*91*		*80 - 120*		*06/30/15 15:13*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*06/30/15 15:13*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45315-1

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

Client Sample ID: WG-9954-062215-DJT-009
Date Collected: 06/22/15 15:15
Date Received: 06/23/15 09:15

Lab Sample ID: 180-45315-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	1.0	ug/L			06/30/15 15:38	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.93	ug/L			06/30/15 15:38	1
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			06/30/15 15:38	1
1,1-Dichloroethane	ND		5.0	1.0	ug/L			06/30/15 15:38	1
1,1-Dichloroethene	ND	*	5.0	1.1	ug/L			06/30/15 15:38	1
1,2-Dichloroethane	ND		5.0	0.96	ug/L			06/30/15 15:38	1
1,2-Dichloropropane	ND		5.0	1.3	ug/L			06/30/15 15:38	1
2-Butanone (MEK)	ND		5.0	1.1	ug/L			06/30/15 15:38	1
2-Hexanone	ND		5.0	0.57	ug/L			06/30/15 15:38	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.59	ug/L			06/30/15 15:38	1
Acetone	ND		20	5.0	ug/L			06/30/15 15:38	1
Benzene	ND		5.0	0.99	ug/L			06/30/15 15:38	1
Bromodichloromethane	ND		5.0	0.93	ug/L			06/30/15 15:38	1
Bromoform	ND		5.0	1.1	ug/L			06/30/15 15:38	1
Bromomethane	ND		5.0	1.6	ug/L			06/30/15 15:38	1
Carbon disulfide	ND		5.0	1.1	ug/L			06/30/15 15:38	1
Carbon tetrachloride	ND		5.0	1.1	ug/L			06/30/15 15:38	1
Chlorobenzene	ND		5.0	0.53	ug/L			06/30/15 15:38	1
Chloroethane	ND		5.0	0.75	ug/L			06/30/15 15:38	1
Chloroform	ND		5.0	1.0	ug/L			06/30/15 15:38	1
Chloromethane	ND		5.0	1.4	ug/L			06/30/15 15:38	1
cis-1,2-Dichloroethene	ND		5.0	0.67	ug/L			06/30/15 15:38	1
cis-1,3-Dichloropropene	ND		5.0	0.73	ug/L			06/30/15 15:38	1
Dibromochloromethane	ND		5.0	0.65	ug/L			06/30/15 15:38	1
Ethylbenzene	ND		5.0	0.62	ug/L			06/30/15 15:38	1
Methylene Chloride	ND		5.0	1.1	ug/L			06/30/15 15:38	1
Styrene	ND		5.0	0.64	ug/L			06/30/15 15:38	1
Tetrachloroethene	ND		5.0	0.82	ug/L			06/30/15 15:38	1
Toluene	ND		5.0	0.85	ug/L			06/30/15 15:38	1
trans-1,2-Dichloroethene	ND		5.0	0.75	ug/L			06/30/15 15:38	1
trans-1,3-Dichloropropene	ND		5.0	0.58	ug/L			06/30/15 15:38	1
Trichloroethene	ND		5.0	0.80	ug/L			06/30/15 15:38	1
Vinyl acetate	ND	*	5.0	0.86	ug/L			06/30/15 15:38	1
Vinyl chloride	ND		5.0	1.3	ug/L			06/30/15 15:38	1
Xylenes, Total	ND		10	1.7	ug/L			06/30/15 15:38	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*06/30/15 15:38*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*74*		*62 - 123*		*06/30/15 15:38*	*1*
4-Bromofluorobenzene (Surr)	*84*		*75 - 120*		*06/30/15 15:38*	*1*
Dibromofluoromethane (Surr)	*88*		*80 - 120*		*06/30/15 15:38*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*06/30/15 15:38*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45315-1

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

Client Sample ID: LCTRIP-062215-DJT
Date Collected: 06/22/15 12:20
Date Received: 06/23/15 09:15

Lab Sample ID: 180-45315-7
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	1.0	ug/L			06/30/15 11:56	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.93	ug/L			06/30/15 11:56	1
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			06/30/15 11:56	1
1,1-Dichloroethane	ND		5.0	1.0	ug/L			06/30/15 11:56	1
1,1-Dichloroethene	ND	*	5.0	1.1	ug/L			06/30/15 11:56	1
1,2-Dichloroethane	ND		5.0	0.96	ug/L			06/30/15 11:56	1
1,2-Dichloropropane	ND		5.0	1.3	ug/L			06/30/15 11:56	1
2-Butanone (MEK)	ND		5.0	1.1	ug/L			06/30/15 11:56	1
2-Hexanone	ND		5.0	0.57	ug/L			06/30/15 11:56	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.59	ug/L			06/30/15 11:56	1
Acetone	ND		20	5.0	ug/L			06/30/15 11:56	1
Benzene	ND		5.0	0.99	ug/L			06/30/15 11:56	1
Bromodichloromethane	ND		5.0	0.93	ug/L			06/30/15 11:56	1
Bromoform	ND		5.0	1.1	ug/L			06/30/15 11:56	1
Bromomethane	ND		5.0	1.6	ug/L			06/30/15 11:56	1
Carbon disulfide	ND		5.0	1.1	ug/L			06/30/15 11:56	1
Carbon tetrachloride	ND		5.0	1.1	ug/L			06/30/15 11:56	1
Chlorobenzene	ND		5.0	0.53	ug/L			06/30/15 11:56	1
Chloroethane	ND		5.0	0.75	ug/L			06/30/15 11:56	1
Chloroform	ND		5.0	1.0	ug/L			06/30/15 11:56	1
Chloromethane	ND		5.0	1.4	ug/L			06/30/15 11:56	1
cis-1,2-Dichloroethene	ND		5.0	0.67	ug/L			06/30/15 11:56	1
cis-1,3-Dichloropropene	ND		5.0	0.73	ug/L			06/30/15 11:56	1
Dibromochloromethane	ND		5.0	0.65	ug/L			06/30/15 11:56	1
Ethylbenzene	ND		5.0	0.62	ug/L			06/30/15 11:56	1
Methylene Chloride	ND		5.0	1.1	ug/L			06/30/15 11:56	1
Styrene	ND		5.0	0.64	ug/L			06/30/15 11:56	1
Tetrachloroethene	ND		5.0	0.82	ug/L			06/30/15 11:56	1
Toluene	ND		5.0	0.85	ug/L			06/30/15 11:56	1
trans-1,2-Dichloroethene	ND		5.0	0.75	ug/L			06/30/15 11:56	1
trans-1,3-Dichloropropene	ND		5.0	0.58	ug/L			06/30/15 11:56	1
Trichloroethene	ND		5.0	0.80	ug/L			06/30/15 11:56	1
Vinyl acetate	ND	*	5.0	0.86	ug/L			06/30/15 11:56	1
Vinyl chloride	ND		5.0	1.3	ug/L			06/30/15 11:56	1
Xylenes, Total	ND		10	1.7	ug/L			06/30/15 11:56	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*06/30/15 11:56*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*74*		*62 - 123*		*06/30/15 11:56*	*1*
4-Bromofluorobenzene (Surr)	*84*		*75 - 120*		*06/30/15 11:56*	*1*
Dibromofluoromethane (Surr)	*86*		*80 - 120*		*06/30/15 11:56*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*06/30/15 11:56*	*1*

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

Client Sample ID: WG-9954-062215-DJT-004
Date Collected: 06/22/15 12:20
Date Received: 06/23/15 09:15

Lab Sample ID: 180-45315-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		1.9	0.27	ug/L		06/24/15 10:27	06/26/15 18:31	1
Acenaphthylene	ND		1.9	0.20	ug/L		06/24/15 10:27	06/26/15 18:31	1
Anthracene	ND		1.9	0.18	ug/L		06/24/15 10:27	06/26/15 18:31	1
Benzo[a]anthracene	ND		1.9	0.34	ug/L		06/24/15 10:27	06/26/15 18:31	1
Benzo[b]fluoranthene	ND		1.9	0.45	ug/L		06/24/15 10:27	06/26/15 18:31	1
Benzo[k]fluoranthene	ND		1.9	0.28	ug/L		06/24/15 10:27	06/26/15 18:31	1
Benzoic acid	ND		46	15	ug/L		06/24/15 10:27	06/26/15 18:31	1
Benzo[g,h,i]perylene	ND		1.9	0.27	ug/L		06/24/15 10:27	06/26/15 18:31	1
Benzo[a]pyrene	ND		1.9	0.26	ug/L		06/24/15 10:27	06/26/15 18:31	1
Benzyl alcohol	ND		9.3	1.8	ug/L		06/24/15 10:27	06/26/15 18:31	1
Bis(2-chloroethoxy)methane	ND		9.3	1.2	ug/L		06/24/15 10:27	06/26/15 18:31	1
Bis(2-chloroethyl)ether	ND		9.3	0.29	ug/L		06/24/15 10:27	06/26/15 18:31	1
Bis(2-ethylhexyl) phthalate	ND		19	4.1	ug/L		06/24/15 10:27	06/26/15 18:31	1
4-Bromophenyl phenyl ether	ND		9.3	1.1	ug/L		06/24/15 10:27	06/26/15 18:31	1
Butyl benzyl phthalate	ND		9.3	2.0	ug/L		06/24/15 10:27	06/26/15 18:31	1
4-Chloroaniline	ND		9.3	2.7	ug/L		06/24/15 10:27	06/26/15 18:31	1
4-Chloro-3-methylphenol	ND		9.3	1.6	ug/L		06/24/15 10:27	06/26/15 18:31	1
2-Chloronaphthalene	ND		1.9	0.28	ug/L		06/24/15 10:27	06/26/15 18:31	1
2-Chlorophenol	ND		9.3	2.1	ug/L		06/24/15 10:27	06/26/15 18:31	1
4-Chlorophenyl phenyl ether	ND		9.3	0.74	ug/L		06/24/15 10:27	06/26/15 18:31	1
Chrysene	ND		1.9	0.29	ug/L		06/24/15 10:27	06/26/15 18:31	1
Dibenz(a,h)anthracene	ND		1.9	0.25	ug/L		06/24/15 10:27	06/26/15 18:31	1
Dibenzofuran	ND		9.3	0.89	ug/L		06/24/15 10:27	06/26/15 18:31	1
Di-n-butyl phthalate	ND		9.3	2.2	ug/L		06/24/15 10:27	06/26/15 18:31	1
1,2-Dichlorobenzene	ND		9.3	1.0	ug/L		06/24/15 10:27	06/26/15 18:31	1
1,3-Dichlorobenzene	ND		9.3	0.70	ug/L		06/24/15 10:27	06/26/15 18:31	1
3,3'-Dichlorobenzidine	ND		9.3	1.4	ug/L		06/24/15 10:27	06/26/15 18:31	1
2,4-Dichlorophenol	ND		9.3	0.62	ug/L		06/24/15 10:27	06/26/15 18:31	1
Diethyl phthalate	ND		9.3	2.7	ug/L		06/24/15 10:27	06/26/15 18:31	1
2,4-Dimethylphenol	ND		9.3	1.6	ug/L		06/24/15 10:27	06/26/15 18:31	1
Dimethyl phthalate	ND		9.3	1.7	ug/L		06/24/15 10:27	06/26/15 18:31	1
4,6-Dinitro-2-methylphenol	ND		46	14	ug/L		06/24/15 10:27	06/26/15 18:31	1
2,4-Dinitrophenol	ND		46	23	ug/L		06/24/15 10:27	06/26/15 18:31	1
2,4-Dinitrotoluene	ND		9.3	2.0	ug/L		06/24/15 10:27	06/26/15 18:31	1
2,6-Dinitrotoluene	ND		9.3	1.3	ug/L		06/24/15 10:27	06/26/15 18:31	1
Di-n-octyl phthalate	ND		9.3	1.9	ug/L		06/24/15 10:27	06/26/15 18:31	1
Fluoranthene	ND		1.9	0.20	ug/L		06/24/15 10:27	06/26/15 18:31	1
Fluorene	ND		1.9	0.22	ug/L		06/24/15 10:27	06/26/15 18:31	1
Hexachlorobenzene	ND		9.3	0.56	ug/L		06/24/15 10:27	06/26/15 18:31	1
Hexachlorobutadiene	ND		9.3	0.87	ug/L		06/24/15 10:27	06/26/15 18:31	1
Hexachlorocyclopentadiene	ND		9.3	1.3	ug/L		06/24/15 10:27	06/26/15 18:31	1
Hexachloroethane	ND		9.3	1.3	ug/L		06/24/15 10:27	06/26/15 18:31	1
Indeno[1,2,3-cd]pyrene	ND		1.9	0.40	ug/L		06/24/15 10:27	06/26/15 18:31	1
Isophorone	ND		9.3	0.68	ug/L		06/24/15 10:27	06/26/15 18:31	1
2-Methylnaphthalene	ND		1.9	0.18	ug/L		06/24/15 10:27	06/26/15 18:31	1
2-Methylphenol	ND		9.3	1.7	ug/L		06/24/15 10:27	06/26/15 18:31	1
4-Methylphenol	ND		9.3	1.9	ug/L		06/24/15 10:27	06/26/15 18:31	1
Naphthalene	ND		1.9	0.21	ug/L		06/24/15 10:27	06/26/15 18:31	1
2-Nitroaniline	ND		46	6.2	ug/L		06/24/15 10:27	06/26/15 18:31	1

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

Client Sample ID: WG-9954-062215-DJT-004
Date Collected: 06/22/15 12:20
Date Received: 06/23/15 09:15

Lab Sample ID: 180-45315-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		46	7.5	ug/L		06/24/15 10:27	06/26/15 18:31	1
4-Nitroaniline	ND		46	7.2	ug/L		06/24/15 10:27	06/26/15 18:31	1
Nitrobenzene	ND		19	1.4	ug/L		06/24/15 10:27	06/26/15 18:31	1
2-Nitrophenol	ND		9.3	1.0	ug/L		06/24/15 10:27	06/26/15 18:31	1
4-Nitrophenol	ND		46	7.4	ug/L		06/24/15 10:27	06/26/15 18:31	1
N-Nitrosodiphenylamine	ND		9.3	1.1	ug/L		06/24/15 10:27	06/26/15 18:31	1
N-Nitrosodi-n-propylamine	ND		9.3	0.46	ug/L		06/24/15 10:27	06/26/15 18:31	1
Pentachlorophenol	ND		9.3	4.6	ug/L		06/24/15 10:27	06/26/15 18:31	1
Phenanthrene	ND		1.9	0.38	ug/L		06/24/15 10:27	06/26/15 18:31	1
Phenol	ND		9.3	0.51	ug/L		06/24/15 10:27	06/26/15 18:31	1
Pyrene	ND		1.9	0.21	ug/L		06/24/15 10:27	06/26/15 18:31	1
1,2,4-Trichlorobenzene	ND		9.3	0.79	ug/L		06/24/15 10:27	06/26/15 18:31	1
2,4,5-Trichlorophenol	ND		9.3	1.1	ug/L		06/24/15 10:27	06/26/15 18:31	1
2,4,6-Trichlorophenol	ND		9.3	2.8	ug/L		06/24/15 10:27	06/26/15 18:31	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*12*	*T J*	*ug/L*		*1.49*		*06/24/15 10:27*	*06/26/15 18:31*	*1*
Unknown	*5.6*	*T J*	*ug/L*		*10.72*		*06/24/15 10:27*	*06/26/15 18:31*	*1*
Unknown	*8.7*	*T J*	*ug/L*		*14.27*		*06/24/15 10:27*	*06/26/15 18:31*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*79*		*28 - 106*	*06/24/15 10:27*	*06/26/15 18:31*	*1*
2-Fluorophenol	*78*		*20 - 108*	*06/24/15 10:27*	*06/26/15 18:31*	*1*
2,4,6-Tribromophenol	*92*		*25 - 118*	*06/24/15 10:27*	*06/26/15 18:31*	*1*
Nitrobenzene-d5	*82*		*27 - 110*	*06/24/15 10:27*	*06/26/15 18:31*	*1*
Phenol-d5	*83*		*23 - 111*	*06/24/15 10:27*	*06/26/15 18:31*	*1*
Terphenyl-d14	*47*		*20 - 109*	*06/24/15 10:27*	*06/26/15 18:31*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45315-1

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

Client Sample ID: WG-9954-062215-DJT-005
Date Collected: 06/22/15 13:05
Date Received: 06/23/15 09:15

Lab Sample ID: 180-45315-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		1.9	0.27	ug/L		06/24/15 10:27	06/26/15 18:58	1
Acenaphthylene	ND		1.9	0.20	ug/L		06/24/15 10:27	06/26/15 18:58	1
Anthracene	ND		1.9	0.18	ug/L		06/24/15 10:27	06/26/15 18:58	1
Benzo[a]anthracene	ND		1.9	0.34	ug/L		06/24/15 10:27	06/26/15 18:58	1
Benzo[b]fluoranthene	ND		1.9	0.45	ug/L		06/24/15 10:27	06/26/15 18:58	1
Benzo[k]fluoranthene	ND		1.9	0.28	ug/L		06/24/15 10:27	06/26/15 18:58	1
Benzoic acid	ND		46	15	ug/L		06/24/15 10:27	06/26/15 18:58	1
Benzo[g,h,i]perylene	ND		1.9	0.27	ug/L		06/24/15 10:27	06/26/15 18:58	1
Benzo[a]pyrene	ND		1.9	0.26	ug/L		06/24/15 10:27	06/26/15 18:58	1
Benzyl alcohol	ND		9.3	1.8	ug/L		06/24/15 10:27	06/26/15 18:58	1
Bis(2-chloroethoxy)methane	ND		9.3	1.2	ug/L		06/24/15 10:27	06/26/15 18:58	1
Bis(2-chloroethyl)ether	ND		9.3	0.29	ug/L		06/24/15 10:27	06/26/15 18:58	1
Bis(2-ethylhexyl) phthalate	ND		19	4.1	ug/L		06/24/15 10:27	06/26/15 18:58	1
4-Bromophenyl phenyl ether	ND		9.3	1.1	ug/L		06/24/15 10:27	06/26/15 18:58	1
Butyl benzyl phthalate	ND		9.3	2.0	ug/L		06/24/15 10:27	06/26/15 18:58	1
4-Chloroaniline	ND		9.3	2.7	ug/L		06/24/15 10:27	06/26/15 18:58	1
4-Chloro-3-methylphenol	ND		9.3	1.6	ug/L		06/24/15 10:27	06/26/15 18:58	1
2-Chloronaphthalene	ND		1.9	0.28	ug/L		06/24/15 10:27	06/26/15 18:58	1
2-Chlorophenol	ND		9.3	2.1	ug/L		06/24/15 10:27	06/26/15 18:58	1
4-Chlorophenyl phenyl ether	ND		9.3	0.74	ug/L		06/24/15 10:27	06/26/15 18:58	1
Chrysene	ND		1.9	0.29	ug/L		06/24/15 10:27	06/26/15 18:58	1
Dibenz(a,h)anthracene	ND		1.9	0.25	ug/L		06/24/15 10:27	06/26/15 18:58	1
Dibenzofuran	ND		9.3	0.89	ug/L		06/24/15 10:27	06/26/15 18:58	1
Di-n-butyl phthalate	ND		9.3	2.2	ug/L		06/24/15 10:27	06/26/15 18:58	1
1,2-Dichlorobenzene	ND		9.3	1.0	ug/L		06/24/15 10:27	06/26/15 18:58	1
1,3-Dichlorobenzene	ND		9.3	0.70	ug/L		06/24/15 10:27	06/26/15 18:58	1
3,3'-Dichlorobenzidine	ND		9.3	1.4	ug/L		06/24/15 10:27	06/26/15 18:58	1
2,4-Dichlorophenol	ND		9.3	0.62	ug/L		06/24/15 10:27	06/26/15 18:58	1
Diethyl phthalate	ND		9.3	2.7	ug/L		06/24/15 10:27	06/26/15 18:58	1
2,4-Dimethylphenol	ND		9.3	1.6	ug/L		06/24/15 10:27	06/26/15 18:58	1
Dimethyl phthalate	ND		9.3	1.7	ug/L		06/24/15 10:27	06/26/15 18:58	1
4,6-Dinitro-2-methylphenol	ND		46	14	ug/L		06/24/15 10:27	06/26/15 18:58	1
2,4-Dinitrophenol	ND		46	23	ug/L		06/24/15 10:27	06/26/15 18:58	1
2,4-Dinitrotoluene	ND		9.3	2.0	ug/L		06/24/15 10:27	06/26/15 18:58	1
2,6-Dinitrotoluene	ND		9.3	1.3	ug/L		06/24/15 10:27	06/26/15 18:58	1
Di-n-octyl phthalate	ND		9.3	1.9	ug/L		06/24/15 10:27	06/26/15 18:58	1
Fluoranthene	ND		1.9	0.20	ug/L		06/24/15 10:27	06/26/15 18:58	1
Fluorene	ND		1.9	0.22	ug/L		06/24/15 10:27	06/26/15 18:58	1
Hexachlorobenzene	ND		9.3	0.56	ug/L		06/24/15 10:27	06/26/15 18:58	1
Hexachlorobutadiene	ND		9.3	0.87	ug/L		06/24/15 10:27	06/26/15 18:58	1
Hexachlorocyclopentadiene	ND		9.3	1.3	ug/L		06/24/15 10:27	06/26/15 18:58	1
Hexachloroethane	ND		9.3	1.3	ug/L		06/24/15 10:27	06/26/15 18:58	1
Indeno[1,2,3-cd]pyrene	ND		1.9	0.40	ug/L		06/24/15 10:27	06/26/15 18:58	1
Isophorone	ND		9.3	0.68	ug/L		06/24/15 10:27	06/26/15 18:58	1
2-Methylnaphthalene	ND		1.9	0.18	ug/L		06/24/15 10:27	06/26/15 18:58	1
2-Methylphenol	ND		9.3	1.7	ug/L		06/24/15 10:27	06/26/15 18:58	1
4-Methylphenol	ND		9.3	1.9	ug/L		06/24/15 10:27	06/26/15 18:58	1
Naphthalene	ND		1.9	0.21	ug/L		06/24/15 10:27	06/26/15 18:58	1
2-Nitroaniline	ND		46	6.2	ug/L		06/24/15 10:27	06/26/15 18:58	1

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

Client Sample ID: WG-9954-062215-DJT-005
Date Collected: 06/22/15 13:05
Date Received: 06/23/15 09:15

Lab Sample ID: 180-45315-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		46	7.5	ug/L		06/24/15 10:27	06/26/15 18:58	1
4-Nitroaniline	ND		46	7.2	ug/L		06/24/15 10:27	06/26/15 18:58	1
Nitrobenzene	ND		19	1.4	ug/L		06/24/15 10:27	06/26/15 18:58	1
2-Nitrophenol	ND		9.3	1.0	ug/L		06/24/15 10:27	06/26/15 18:58	1
4-Nitrophenol	ND		46	7.4	ug/L		06/24/15 10:27	06/26/15 18:58	1
N-Nitrosodiphenylamine	ND		9.3	1.1	ug/L		06/24/15 10:27	06/26/15 18:58	1
N-Nitrosodi-n-propylamine	ND		9.3	0.46	ug/L		06/24/15 10:27	06/26/15 18:58	1
Pentachlorophenol	ND		9.3	4.6	ug/L		06/24/15 10:27	06/26/15 18:58	1
Phenanthrene	ND		1.9	0.38	ug/L		06/24/15 10:27	06/26/15 18:58	1
Phenol	ND		9.3	0.51	ug/L		06/24/15 10:27	06/26/15 18:58	1
Pyrene	ND		1.9	0.21	ug/L		06/24/15 10:27	06/26/15 18:58	1
1,2,4-Trichlorobenzene	ND		9.3	0.79	ug/L		06/24/15 10:27	06/26/15 18:58	1
2,4,5-Trichlorophenol	ND		9.3	1.1	ug/L		06/24/15 10:27	06/26/15 18:58	1
2,4,6-Trichlorophenol	ND		9.3	2.8	ug/L		06/24/15 10:27	06/26/15 18:58	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Methylene Chloride	*14*	*T J N*	*ug/L*		*1.48*	*75-09-2*	*06/24/15 10:27*	*06/26/15 18:58*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*87*		*28 - 106*	*06/24/15 10:27*	*06/26/15 18:58*	*1*
2-Fluorophenol	*79*		*20 - 108*	*06/24/15 10:27*	*06/26/15 18:58*	*1*
2,4,6-Tribromophenol	*95*		*25 - 118*	*06/24/15 10:27*	*06/26/15 18:58*	*1*
Nitrobenzene-d5	*85*		*27 - 110*	*06/24/15 10:27*	*06/26/15 18:58*	*1*
Phenol-d5	*84*		*23 - 111*	*06/24/15 10:27*	*06/26/15 18:58*	*1*
Terphenyl-d14	*52*		*20 - 109*	*06/24/15 10:27*	*06/26/15 18:58*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45315-1

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

Client Sample ID: WG-9954-062215-DJT-006
Date Collected: 06/22/15 13:40
Date Received: 06/23/15 09:15

Lab Sample ID: 180-45315-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		2.0	0.29	ug/L		06/24/15 10:27	06/26/15 19:25	1
Acenaphthylene	ND		2.0	0.22	ug/L		06/24/15 10:27	06/26/15 19:25	1
Anthracene	ND		2.0	0.19	ug/L		06/24/15 10:27	06/26/15 19:25	1
Benzo[a]anthracene	ND		2.0	0.37	ug/L		06/24/15 10:27	06/26/15 19:25	1
Benzo[b]fluoranthene	ND		2.0	0.49	ug/L		06/24/15 10:27	06/26/15 19:25	1
Benzo[k]fluoranthene	ND		2.0	0.30	ug/L		06/24/15 10:27	06/26/15 19:25	1
Benzoic acid	ND		50	16	ug/L		06/24/15 10:27	06/26/15 19:25	1
Benzo[g,h,i]perylene	ND		2.0	0.29	ug/L		06/24/15 10:27	06/26/15 19:25	1
Benzo[a]pyrene	ND		2.0	0.28	ug/L		06/24/15 10:27	06/26/15 19:25	1
Benzyl alcohol	ND		10	2.0	ug/L		06/24/15 10:27	06/26/15 19:25	1
Bis(2-chloroethoxy)methane	ND		10	1.3	ug/L		06/24/15 10:27	06/26/15 19:25	1
Bis(2-chloroethyl)ether	ND		10	0.32	ug/L		06/24/15 10:27	06/26/15 19:25	1
Bis(2-ethylhexyl) phthalate	ND		20	4.4	ug/L		06/24/15 10:27	06/26/15 19:25	1
4-Bromophenyl phenyl ether	ND		10	1.2	ug/L		06/24/15 10:27	06/26/15 19:25	1
Butyl benzyl phthalate	ND		10	2.1	ug/L		06/24/15 10:27	06/26/15 19:25	1
4-Chloroaniline	ND		10	2.9	ug/L		06/24/15 10:27	06/26/15 19:25	1
4-Chloro-3-methylphenol	ND		10	1.7	ug/L		06/24/15 10:27	06/26/15 19:25	1
2-Chloronaphthalene	ND		2.0	0.31	ug/L		06/24/15 10:27	06/26/15 19:25	1
2-Chlorophenol	ND		10	2.3	ug/L		06/24/15 10:27	06/26/15 19:25	1
4-Chlorophenyl phenyl ether	ND		10	0.80	ug/L		06/24/15 10:27	06/26/15 19:25	1
Chrysene	ND		2.0	0.31	ug/L		06/24/15 10:27	06/26/15 19:25	1
Dibenz(a,h)anthracene	ND		2.0	0.27	ug/L		06/24/15 10:27	06/26/15 19:25	1
Dibenzofuran	ND		10	0.97	ug/L		06/24/15 10:27	06/26/15 19:25	1
Di-n-butyl phthalate	ND		10	2.4	ug/L		06/24/15 10:27	06/26/15 19:25	1
1,2-Dichlorobenzene	ND		10	1.1	ug/L		06/24/15 10:27	06/26/15 19:25	1
1,3-Dichlorobenzene	ND		10	0.75	ug/L		06/24/15 10:27	06/26/15 19:25	1
3,3'-Dichlorobenzidine	ND		10	1.5	ug/L		06/24/15 10:27	06/26/15 19:25	1
2,4-Dichlorophenol	ND		10	0.67	ug/L		06/24/15 10:27	06/26/15 19:25	1
Diethyl phthalate	ND		10	3.0	ug/L		06/24/15 10:27	06/26/15 19:25	1
2,4-Dimethylphenol	ND		10	1.7	ug/L		06/24/15 10:27	06/26/15 19:25	1
Dimethyl phthalate	ND		10	1.8	ug/L		06/24/15 10:27	06/26/15 19:25	1
4,6-Dinitro-2-methylphenol	ND		50	16	ug/L		06/24/15 10:27	06/26/15 19:25	1
2,4-Dinitrophenol	ND		50	25	ug/L		06/24/15 10:27	06/26/15 19:25	1
2,4-Dinitrotoluene	ND		10	2.1	ug/L		06/24/15 10:27	06/26/15 19:25	1
2,6-Dinitrotoluene	ND		10	1.4	ug/L		06/24/15 10:27	06/26/15 19:25	1
Di-n-octyl phthalate	ND		10	2.0	ug/L		06/24/15 10:27	06/26/15 19:25	1
Fluoranthene	ND		2.0	0.21	ug/L		06/24/15 10:27	06/26/15 19:25	1
Fluorene	ND		2.0	0.24	ug/L		06/24/15 10:27	06/26/15 19:25	1
Hexachlorobenzene	ND		10	0.61	ug/L		06/24/15 10:27	06/26/15 19:25	1
Hexachlorobutadiene	ND		10	0.94	ug/L		06/24/15 10:27	06/26/15 19:25	1
Hexachlorocyclopentadiene	ND		10	1.4	ug/L		06/24/15 10:27	06/26/15 19:25	1
Hexachloroethane	ND		10	1.4	ug/L		06/24/15 10:27	06/26/15 19:25	1
Indeno[1,2,3-cd]pyrene	ND		2.0	0.43	ug/L		06/24/15 10:27	06/26/15 19:25	1
Isophorone	ND		10	0.74	ug/L		06/24/15 10:27	06/26/15 19:25	1
2-Methylnaphthalene	ND		2.0	0.19	ug/L		06/24/15 10:27	06/26/15 19:25	1
2-Methylphenol	ND		10	1.9	ug/L		06/24/15 10:27	06/26/15 19:25	1
4-Methylphenol	ND		10	2.1	ug/L		06/24/15 10:27	06/26/15 19:25	1
Naphthalene	ND		2.0	0.23	ug/L		06/24/15 10:27	06/26/15 19:25	1
2-Nitroaniline	ND		50	6.7	ug/L		06/24/15 10:27	06/26/15 19:25	1

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

Client Sample ID: WG-9954-062215-DJT-006
Date Collected: 06/22/15 13:40
Date Received: 06/23/15 09:15

Lab Sample ID: 180-45315-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		50	8.1	ug/L		06/24/15 10:27	06/26/15 19:25	1
4-Nitroaniline	ND		50	7.7	ug/L		06/24/15 10:27	06/26/15 19:25	1
Nitrobenzene	ND		20	1.5	ug/L		06/24/15 10:27	06/26/15 19:25	1
2-Nitrophenol	ND		10	1.1	ug/L		06/24/15 10:27	06/26/15 19:25	1
4-Nitrophenol	ND		50	8.0	ug/L		06/24/15 10:27	06/26/15 19:25	1
N-Nitrosodiphenylamine	ND		10	1.2	ug/L		06/24/15 10:27	06/26/15 19:25	1
N-Nitrosodi-n-propylamine	ND		10	0.50	ug/L		06/24/15 10:27	06/26/15 19:25	1
Pentachlorophenol	ND		10	5.0	ug/L		06/24/15 10:27	06/26/15 19:25	1
Phenanthrene	ND		2.0	0.42	ug/L		06/24/15 10:27	06/26/15 19:25	1
Phenol	ND		10	0.55	ug/L		06/24/15 10:27	06/26/15 19:25	1
Pyrene	ND		2.0	0.23	ug/L		06/24/15 10:27	06/26/15 19:25	1
1,2,4-Trichlorobenzene	ND		10	0.85	ug/L		06/24/15 10:27	06/26/15 19:25	1
2,4,5-Trichlorophenol	ND		10	1.2	ug/L		06/24/15 10:27	06/26/15 19:25	1
2,4,6-Trichlorophenol	ND		10	3.0	ug/L		06/24/15 10:27	06/26/15 19:25	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*15*	*T J*	*ug/L*		*1.49*		*06/24/15 10:27*	*06/26/15 19:25*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*83*		*28 - 106*	*06/24/15 10:27*	*06/26/15 19:25*	*1*
2-Fluorophenol	*80*		*20 - 108*	*06/24/15 10:27*	*06/26/15 19:25*	*1*
2,4,6-Tribromophenol	*93*		*25 - 118*	*06/24/15 10:27*	*06/26/15 19:25*	*1*
Nitrobenzene-d5	*87*		*27 - 110*	*06/24/15 10:27*	*06/26/15 19:25*	*1*
Phenol-d5	*86*		*23 - 111*	*06/24/15 10:27*	*06/26/15 19:25*	*1*
Terphenyl-d14	*69*		*20 - 109*	*06/24/15 10:27*	*06/26/15 19:25*	*1*

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

Client Sample ID: WG-9954-062215-DJT-007
Date Collected: 06/22/15 14:25
Date Received: 06/23/15 09:15

Lab Sample ID: 180-45315-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		1.9	0.28	ug/L		06/24/15 10:27	06/26/15 19:51	1
Acenaphthylene	ND		1.9	0.21	ug/L		06/24/15 10:27	06/26/15 19:51	1
Anthracene	ND		1.9	0.18	ug/L		06/24/15 10:27	06/26/15 19:51	1
Benzo[a]anthracene	ND		1.9	0.35	ug/L		06/24/15 10:27	06/26/15 19:51	1
Benzo[b]fluoranthene	ND		1.9	0.47	ug/L		06/24/15 10:27	06/26/15 19:51	1
Benzo[k]fluoranthene	ND		1.9	0.29	ug/L		06/24/15 10:27	06/26/15 19:51	1
Benzoic acid	ND		48	16	ug/L		06/24/15 10:27	06/26/15 19:51	1
Benzo[g,h,i]perylene	ND		1.9	0.28	ug/L		06/24/15 10:27	06/26/15 19:51	1
Benzo[a]pyrene	ND		1.9	0.27	ug/L		06/24/15 10:27	06/26/15 19:51	1
Benzyl alcohol	ND		9.6	1.9	ug/L		06/24/15 10:27	06/26/15 19:51	1
Bis(2-chloroethoxy)methane	ND		9.6	1.3	ug/L		06/24/15 10:27	06/26/15 19:51	1
Bis(2-chloroethyl)ether	ND		9.6	0.30	ug/L		06/24/15 10:27	06/26/15 19:51	1
Bis(2-ethylhexyl) phthalate	**5.7**	**J**	19	4.2	ug/L		06/24/15 10:27	06/26/15 19:51	1
4-Bromophenyl phenyl ether	ND		9.6	1.1	ug/L		06/24/15 10:27	06/26/15 19:51	1
Butyl benzyl phthalate	ND		9.6	2.1	ug/L		06/24/15 10:27	06/26/15 19:51	1
4-Chloroaniline	ND		9.6	2.8	ug/L		06/24/15 10:27	06/26/15 19:51	1
4-Chloro-3-methylphenol	ND		9.6	1.6	ug/L		06/24/15 10:27	06/26/15 19:51	1
2-Chloronaphthalene	ND		1.9	0.30	ug/L		06/24/15 10:27	06/26/15 19:51	1
2-Chlorophenol	ND		9.6	2.2	ug/L		06/24/15 10:27	06/26/15 19:51	1
4-Chlorophenyl phenyl ether	ND		9.6	0.77	ug/L		06/24/15 10:27	06/26/15 19:51	1
Chrysene	ND		1.9	0.30	ug/L		06/24/15 10:27	06/26/15 19:51	1
Dibenz(a,h)anthracene	ND		1.9	0.26	ug/L		06/24/15 10:27	06/26/15 19:51	1
Dibenzofuran	ND		9.6	0.93	ug/L		06/24/15 10:27	06/26/15 19:51	1
Di-n-butyl phthalate	ND		9.6	2.3	ug/L		06/24/15 10:27	06/26/15 19:51	1
1,2-Dichlorobenzene	ND		9.6	1.0	ug/L		06/24/15 10:27	06/26/15 19:51	1
1,3-Dichlorobenzene	ND		9.6	0.72	ug/L		06/24/15 10:27	06/26/15 19:51	1
3,3'-Dichlorobenzidine	ND		9.6	1.4	ug/L		06/24/15 10:27	06/26/15 19:51	1
2,4-Dichlorophenol	ND		9.6	0.65	ug/L		06/24/15 10:27	06/26/15 19:51	1
Diethyl phthalate	ND		9.6	2.9	ug/L		06/24/15 10:27	06/26/15 19:51	1
2,4-Dimethylphenol	ND		9.6	1.6	ug/L		06/24/15 10:27	06/26/15 19:51	1
Dimethyl phthalate	ND		9.6	1.8	ug/L		06/24/15 10:27	06/26/15 19:51	1
4,6-Dinitro-2-methylphenol	ND		48	15	ug/L		06/24/15 10:27	06/26/15 19:51	1
2,4-Dinitrophenol	ND		48	24	ug/L		06/24/15 10:27	06/26/15 19:51	1
2,4-Dinitrotoluene	ND		9.6	2.1	ug/L		06/24/15 10:27	06/26/15 19:51	1
2,6-Dinitrotoluene	ND		9.6	1.3	ug/L		06/24/15 10:27	06/26/15 19:51	1
Di-n-octyl phthalate	ND		9.6	2.0	ug/L		06/24/15 10:27	06/26/15 19:51	1
Fluoranthene	ND		1.9	0.20	ug/L		06/24/15 10:27	06/26/15 19:51	1
Fluorene	ND		1.9	0.23	ug/L		06/24/15 10:27	06/26/15 19:51	1
Hexachlorobenzene	ND		9.6	0.59	ug/L		06/24/15 10:27	06/26/15 19:51	1
Hexachlorobutadiene	ND		9.6	0.90	ug/L		06/24/15 10:27	06/26/15 19:51	1
Hexachlorocyclopentadiene	ND		9.6	1.3	ug/L		06/24/15 10:27	06/26/15 19:51	1
Hexachloroethane	ND		9.6	1.3	ug/L		06/24/15 10:27	06/26/15 19:51	1
Indeno[1,2,3-cd]pyrene	ND		1.9	0.42	ug/L		06/24/15 10:27	06/26/15 19:51	1
Isophorone	ND		9.6	0.71	ug/L		06/24/15 10:27	06/26/15 19:51	1
2-Methylnaphthalene	ND		1.9	0.18	ug/L		06/24/15 10:27	06/26/15 19:51	1
2-Methylphenol	ND		9.6	1.8	ug/L		06/24/15 10:27	06/26/15 19:51	1
4-Methylphenol	ND		9.6	2.0	ug/L		06/24/15 10:27	06/26/15 19:51	1
Naphthalene	ND		1.9	0.22	ug/L		06/24/15 10:27	06/26/15 19:51	1
2-Nitroaniline	ND		48	6.5	ug/L		06/24/15 10:27	06/26/15 19:51	1

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

Client Sample ID: WG-9954-062215-DJT-007
Date Collected: 06/22/15 14:25
Date Received: 06/23/15 09:15

Lab Sample ID: 180-45315-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		48	7.7	ug/L		06/24/15 10:27	06/26/15 19:51	1
4-Nitroaniline	ND		48	7.4	ug/L		06/24/15 10:27	06/26/15 19:51	1
Nitrobenzene	ND		19	1.4	ug/L		06/24/15 10:27	06/26/15 19:51	1
2-Nitrophenol	ND		9.6	1.1	ug/L		06/24/15 10:27	06/26/15 19:51	1
4-Nitrophenol	ND		48	7.7	ug/L		06/24/15 10:27	06/26/15 19:51	1
N-Nitrosodiphenylamine	ND		9.6	1.2	ug/L		06/24/15 10:27	06/26/15 19:51	1
N-Nitrosodi-n-propylamine	ND		9.6	0.48	ug/L		06/24/15 10:27	06/26/15 19:51	1
Pentachlorophenol	ND		9.6	4.8	ug/L		06/24/15 10:27	06/26/15 19:51	1
Phenanthrene	ND		1.9	0.40	ug/L		06/24/15 10:27	06/26/15 19:51	1
Phenol	ND		9.6	0.53	ug/L		06/24/15 10:27	06/26/15 19:51	1
Pyrene	ND		1.9	0.22	ug/L		06/24/15 10:27	06/26/15 19:51	1
1,2,4-Trichlorobenzene	ND		9.6	0.82	ug/L		06/24/15 10:27	06/26/15 19:51	1
2,4,5-Trichlorophenol	ND		9.6	1.2	ug/L		06/24/15 10:27	06/26/15 19:51	1
2,4,6-Trichlorophenol	ND		9.6	2.9	ug/L		06/24/15 10:27	06/26/15 19:51	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*				*06/24/15 10:27*	*06/26/15 19:51*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*72*		*28 - 106*	*06/24/15 10:27*	*06/26/15 19:51*	*1*
2-Fluorophenol	*69*		*20 - 108*	*06/24/15 10:27*	*06/26/15 19:51*	*1*
2,4,6-Tribromophenol	*86*		*25 - 118*	*06/24/15 10:27*	*06/26/15 19:51*	*1*
Nitrobenzene-d5	*73*		*27 - 110*	*06/24/15 10:27*	*06/26/15 19:51*	*1*
Phenol-d5	*72*		*23 - 111*	*06/24/15 10:27*	*06/26/15 19:51*	*1*
Terphenyl-d14	*48*		*20 - 109*	*06/24/15 10:27*	*06/26/15 19:51*	*1*

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

Client Sample ID: WG-9954-062215-DJT-008
Date Collected: 06/22/15 14:25
Date Received: 06/23/15 09:15

Lab Sample ID: 180-45315-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		1.9	0.27	ug/L		06/24/15 10:27	06/26/15 20:18	1
Acenaphthylene	ND		1.9	0.20	ug/L		06/24/15 10:27	06/26/15 20:18	1
Anthracene	ND		1.9	0.18	ug/L		06/24/15 10:27	06/26/15 20:18	1
Benzo[a]anthracene	ND		1.9	0.34	ug/L		06/24/15 10:27	06/26/15 20:18	1
Benzo[b]fluoranthene	ND		1.9	0.45	ug/L		06/24/15 10:27	06/26/15 20:18	1
Benzo[k]fluoranthene	ND		1.9	0.28	ug/L		06/24/15 10:27	06/26/15 20:18	1
Benzoic acid	ND		46	15	ug/L		06/24/15 10:27	06/26/15 20:18	1
Benzo[g,h,i]perylene	ND		1.9	0.27	ug/L		06/24/15 10:27	06/26/15 20:18	1
Benzo[a]pyrene	ND		1.9	0.26	ug/L		06/24/15 10:27	06/26/15 20:18	1
Benzyl alcohol	ND		9.3	1.8	ug/L		06/24/15 10:27	06/26/15 20:18	1
Bis(2-chloroethoxy)methane	ND		9.3	1.2	ug/L		06/24/15 10:27	06/26/15 20:18	1
Bis(2-chloroethyl)ether	ND		9.3	0.29	ug/L		06/24/15 10:27	06/26/15 20:18	1
Bis(2-ethylhexyl) phthalate	ND		19	4.1	ug/L		06/24/15 10:27	06/26/15 20:18	1
4-Bromophenyl phenyl ether	ND		9.3	1.1	ug/L		06/24/15 10:27	06/26/15 20:18	1
Butyl benzyl phthalate	ND		9.3	2.0	ug/L		06/24/15 10:27	06/26/15 20:18	1
4-Chloroaniline	ND		9.3	2.7	ug/L		06/24/15 10:27	06/26/15 20:18	1
4-Chloro-3-methylphenol	ND		9.3	1.6	ug/L		06/24/15 10:27	06/26/15 20:18	1
2-Chloronaphthalene	ND		1.9	0.28	ug/L		06/24/15 10:27	06/26/15 20:18	1
2-Chlorophenol	ND		9.3	2.1	ug/L		06/24/15 10:27	06/26/15 20:18	1
4-Chlorophenyl phenyl ether	ND		9.3	0.74	ug/L		06/24/15 10:27	06/26/15 20:18	1
Chrysene	ND		1.9	0.29	ug/L		06/24/15 10:27	06/26/15 20:18	1
Dibenz(a,h)anthracene	ND		1.9	0.25	ug/L		06/24/15 10:27	06/26/15 20:18	1
Dibenzofuran	ND		9.3	0.89	ug/L		06/24/15 10:27	06/26/15 20:18	1
Di-n-butyl phthalate	ND		9.3	2.2	ug/L		06/24/15 10:27	06/26/15 20:18	1
1,2-Dichlorobenzene	ND		9.3	1.0	ug/L		06/24/15 10:27	06/26/15 20:18	1
1,3-Dichlorobenzene	ND		9.3	0.70	ug/L		06/24/15 10:27	06/26/15 20:18	1
3,3'-Dichlorobenzidine	ND		9.3	1.4	ug/L		06/24/15 10:27	06/26/15 20:18	1
2,4-Dichlorophenol	ND		9.3	0.62	ug/L		06/24/15 10:27	06/26/15 20:18	1
Diethyl phthalate	ND		9.3	2.7	ug/L		06/24/15 10:27	06/26/15 20:18	1
2,4-Dimethylphenol	ND		9.3	1.6	ug/L		06/24/15 10:27	06/26/15 20:18	1
Dimethyl phthalate	ND		9.3	1.7	ug/L		06/24/15 10:27	06/26/15 20:18	1
4,6-Dinitro-2-methylphenol	ND		46	14	ug/L		06/24/15 10:27	06/26/15 20:18	1
2,4-Dinitrophenol	ND		46	23	ug/L		06/24/15 10:27	06/26/15 20:18	1
2,4-Dinitrotoluene	ND		9.3	2.0	ug/L		06/24/15 10:27	06/26/15 20:18	1
2,6-Dinitrotoluene	ND		9.3	1.3	ug/L		06/24/15 10:27	06/26/15 20:18	1
Di-n-octyl phthalate	ND		9.3	1.9	ug/L		06/24/15 10:27	06/26/15 20:18	1
Fluoranthene	ND		1.9	0.20	ug/L		06/24/15 10:27	06/26/15 20:18	1
Fluorene	ND		1.9	0.22	ug/L		06/24/15 10:27	06/26/15 20:18	1
Hexachlorobenzene	ND		9.3	0.56	ug/L		06/24/15 10:27	06/26/15 20:18	1
Hexachlorobutadiene	ND		9.3	0.87	ug/L		06/24/15 10:27	06/26/15 20:18	1
Hexachlorocyclopentadiene	ND		9.3	1.3	ug/L		06/24/15 10:27	06/26/15 20:18	1
Hexachloroethane	ND		9.3	1.3	ug/L		06/24/15 10:27	06/26/15 20:18	1
Indeno[1,2,3-cd]pyrene	ND		1.9	0.40	ug/L		06/24/15 10:27	06/26/15 20:18	1
Isophorone	ND		9.3	0.68	ug/L		06/24/15 10:27	06/26/15 20:18	1
2-Methylnaphthalene	ND		1.9	0.18	ug/L		06/24/15 10:27	06/26/15 20:18	1
2-Methylphenol	ND		9.3	1.7	ug/L		06/24/15 10:27	06/26/15 20:18	1
4-Methylphenol	ND		9.3	1.9	ug/L		06/24/15 10:27	06/26/15 20:18	1
Naphthalene	ND		1.9	0.21	ug/L		06/24/15 10:27	06/26/15 20:18	1
2-Nitroaniline	ND		46	6.2	ug/L		06/24/15 10:27	06/26/15 20:18	1

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

Client Sample ID: WG-9954-062215-DJT-008
Date Collected: 06/22/15 14:25
Date Received: 06/23/15 09:15

Lab Sample ID: 180-45315-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		46	7.5	ug/L		06/24/15 10:27	06/26/15 20:18	1
4-Nitroaniline	ND		46	7.2	ug/L		06/24/15 10:27	06/26/15 20:18	1
Nitrobenzene	ND		19	1.4	ug/L		06/24/15 10:27	06/26/15 20:18	1
2-Nitrophenol	ND		9.3	1.0	ug/L		06/24/15 10:27	06/26/15 20:18	1
4-Nitrophenol	ND		46	7.4	ug/L		06/24/15 10:27	06/26/15 20:18	1
N-Nitrosodiphenylamine	ND		9.3	1.1	ug/L		06/24/15 10:27	06/26/15 20:18	1
N-Nitrosodi-n-propylamine	ND		9.3	0.46	ug/L		06/24/15 10:27	06/26/15 20:18	1
Pentachlorophenol	ND		9.3	4.6	ug/L		06/24/15 10:27	06/26/15 20:18	1
Phenanthrene	ND		1.9	0.38	ug/L		06/24/15 10:27	06/26/15 20:18	1
Phenol	ND		9.3	0.51	ug/L		06/24/15 10:27	06/26/15 20:18	1
Pyrene	ND		1.9	0.21	ug/L		06/24/15 10:27	06/26/15 20:18	1
1,2,4-Trichlorobenzene	ND		9.3	0.79	ug/L		06/24/15 10:27	06/26/15 20:18	1
2,4,5-Trichlorophenol	ND		9.3	1.1	ug/L		06/24/15 10:27	06/26/15 20:18	1
2,4,6-Trichlorophenol	ND		9.3	2.8	ug/L		06/24/15 10:27	06/26/15 20:18	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*10*	*T J*	*ug/L*		*1.48*		*06/24/15 10:27*	*06/26/15 20:18*	*1*
Unknown	*7.0*	*T J*	*ug/L*		*12.12*		*06/24/15 10:27*	*06/26/15 20:18*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*79*		*28 - 106*	*06/24/15 10:27*	*06/26/15 20:18*	*1*
2-Fluorophenol	*73*		*20 - 108*	*06/24/15 10:27*	*06/26/15 20:18*	*1*
2,4,6-Tribromophenol	*91*		*25 - 118*	*06/24/15 10:27*	*06/26/15 20:18*	*1*
Nitrobenzene-d5	*80*		*27 - 110*	*06/24/15 10:27*	*06/26/15 20:18*	*1*
Phenol-d5	*76*		*23 - 111*	*06/24/15 10:27*	*06/26/15 20:18*	*1*
Terphenyl-d14	*47*		*20 - 109*	*06/24/15 10:27*	*06/26/15 20:18*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45315-1

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

Client Sample ID: WG-9954-062215-DJT-009
Date Collected: 06/22/15 15:15
Date Received: 06/23/15 09:15

Lab Sample ID: 180-45315-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		1.9	0.27	ug/L		06/24/15 10:27	06/26/15 20:44	1
Acenaphthylene	ND		1.9	0.20	ug/L		06/24/15 10:27	06/26/15 20:44	1
Anthracene	ND		1.9	0.18	ug/L		06/24/15 10:27	06/26/15 20:44	1
Benzo[a]anthracene	ND		1.9	0.34	ug/L		06/24/15 10:27	06/26/15 20:44	1
Benzo[b]fluoranthene	ND		1.9	0.45	ug/L		06/24/15 10:27	06/26/15 20:44	1
Benzo[k]fluoranthene	ND		1.9	0.28	ug/L		06/24/15 10:27	06/26/15 20:44	1
Benzoic acid	ND		46	15	ug/L		06/24/15 10:27	06/26/15 20:44	1
Benzo[g,h,i]perylene	ND		1.9	0.27	ug/L		06/24/15 10:27	06/26/15 20:44	1
Benzo[a]pyrene	ND		1.9	0.26	ug/L		06/24/15 10:27	06/26/15 20:44	1
Benzyl alcohol	ND		9.3	1.8	ug/L		06/24/15 10:27	06/26/15 20:44	1
Bis(2-chloroethoxy)methane	ND		9.3	1.2	ug/L		06/24/15 10:27	06/26/15 20:44	1
Bis(2-chloroethyl)ether	ND		9.3	0.29	ug/L		06/24/15 10:27	06/26/15 20:44	1
Bis(2-ethylhexyl) phthalate	ND		19	4.1	ug/L		06/24/15 10:27	06/26/15 20:44	1
4-Bromophenyl phenyl ether	ND		9.3	1.1	ug/L		06/24/15 10:27	06/26/15 20:44	1
Butyl benzyl phthalate	ND		9.3	2.0	ug/L		06/24/15 10:27	06/26/15 20:44	1
4-Chloroaniline	ND		9.3	2.7	ug/L		06/24/15 10:27	06/26/15 20:44	1
4-Chloro-3-methylphenol	ND		9.3	1.6	ug/L		06/24/15 10:27	06/26/15 20:44	1
2-Chloronaphthalene	ND		1.9	0.28	ug/L		06/24/15 10:27	06/26/15 20:44	1
2-Chlorophenol	ND		9.3	2.1	ug/L		06/24/15 10:27	06/26/15 20:44	1
4-Chlorophenyl phenyl ether	ND		9.3	0.74	ug/L		06/24/15 10:27	06/26/15 20:44	1
Chrysene	ND		1.9	0.29	ug/L		06/24/15 10:27	06/26/15 20:44	1
Dibenz(a,h)anthracene	ND		1.9	0.25	ug/L		06/24/15 10:27	06/26/15 20:44	1
Dibenzofuran	ND		9.3	0.89	ug/L		06/24/15 10:27	06/26/15 20:44	1
Di-n-butyl phthalate	ND		9.3	2.2	ug/L		06/24/15 10:27	06/26/15 20:44	1
1,2-Dichlorobenzene	ND		9.3	1.0	ug/L		06/24/15 10:27	06/26/15 20:44	1
1,3-Dichlorobenzene	ND		9.3	0.70	ug/L		06/24/15 10:27	06/26/15 20:44	1
3,3'-Dichlorobenzidine	ND		9.3	1.4	ug/L		06/24/15 10:27	06/26/15 20:44	1
2,4-Dichlorophenol	ND		9.3	0.62	ug/L		06/24/15 10:27	06/26/15 20:44	1
Diethyl phthalate	ND		9.3	2.7	ug/L		06/24/15 10:27	06/26/15 20:44	1
2,4-Dimethylphenol	ND		9.3	1.6	ug/L		06/24/15 10:27	06/26/15 20:44	1
Dimethyl phthalate	ND		9.3	1.7	ug/L		06/24/15 10:27	06/26/15 20:44	1
4,6-Dinitro-2-methylphenol	ND		46	14	ug/L		06/24/15 10:27	06/26/15 20:44	1
2,4-Dinitrophenol	ND		46	23	ug/L		06/24/15 10:27	06/26/15 20:44	1
2,4-Dinitrotoluene	ND		9.3	2.0	ug/L		06/24/15 10:27	06/26/15 20:44	1
2,6-Dinitrotoluene	ND		9.3	1.3	ug/L		06/24/15 10:27	06/26/15 20:44	1
Di-n-octyl phthalate	ND		9.3	1.9	ug/L		06/24/15 10:27	06/26/15 20:44	1
Fluoranthene	ND		1.9	0.20	ug/L		06/24/15 10:27	06/26/15 20:44	1
Fluorene	ND		1.9	0.22	ug/L		06/24/15 10:27	06/26/15 20:44	1
Hexachlorobenzene	ND		9.3	0.56	ug/L		06/24/15 10:27	06/26/15 20:44	1
Hexachlorobutadiene	ND		9.3	0.87	ug/L		06/24/15 10:27	06/26/15 20:44	1
Hexachlorocyclopentadiene	ND		9.3	1.3	ug/L		06/24/15 10:27	06/26/15 20:44	1
Hexachloroethane	ND		9.3	1.3	ug/L		06/24/15 10:27	06/26/15 20:44	1
Indeno[1,2,3-cd]pyrene	ND		1.9	0.40	ug/L		06/24/15 10:27	06/26/15 20:44	1
Isophorone	ND		9.3	0.68	ug/L		06/24/15 10:27	06/26/15 20:44	1
2-Methylnaphthalene	ND		1.9	0.18	ug/L		06/24/15 10:27	06/26/15 20:44	1
2-Methylphenol	ND		9.3	1.7	ug/L		06/24/15 10:27	06/26/15 20:44	1
4-Methylphenol	ND		9.3	1.9	ug/L		06/24/15 10:27	06/26/15 20:44	1
Naphthalene	ND		1.9	0.21	ug/L		06/24/15 10:27	06/26/15 20:44	1
2-Nitroaniline	ND		46	6.2	ug/L		06/24/15 10:27	06/26/15 20:44	1

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

Client Sample ID: WG-9954-062215-DJT-009
Date Collected: 06/22/15 15:15
Date Received: 06/23/15 09:15

Lab Sample ID: 180-45315-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		46	7.5	ug/L		06/24/15 10:27	06/26/15 20:44	1
4-Nitroaniline	ND		46	7.2	ug/L		06/24/15 10:27	06/26/15 20:44	1
Nitrobenzene	ND		19	1.4	ug/L		06/24/15 10:27	06/26/15 20:44	1
2-Nitrophenol	ND		9.3	1.0	ug/L		06/24/15 10:27	06/26/15 20:44	1
4-Nitrophenol	ND		46	7.4	ug/L		06/24/15 10:27	06/26/15 20:44	1
N-Nitrosodiphenylamine	ND		9.3	1.1	ug/L		06/24/15 10:27	06/26/15 20:44	1
N-Nitrosodi-n-propylamine	ND		9.3	0.46	ug/L		06/24/15 10:27	06/26/15 20:44	1
Pentachlorophenol	ND		9.3	4.6	ug/L		06/24/15 10:27	06/26/15 20:44	1
Phenanthrene	ND		1.9	0.38	ug/L		06/24/15 10:27	06/26/15 20:44	1
Phenol	ND		9.3	0.51	ug/L		06/24/15 10:27	06/26/15 20:44	1
Pyrene	ND		1.9	0.21	ug/L		06/24/15 10:27	06/26/15 20:44	1
1,2,4-Trichlorobenzene	ND		9.3	0.79	ug/L		06/24/15 10:27	06/26/15 20:44	1
2,4,5-Trichlorophenol	ND		9.3	1.1	ug/L		06/24/15 10:27	06/26/15 20:44	1
2,4,6-Trichlorophenol	ND		9.3	2.8	ug/L		06/24/15 10:27	06/26/15 20:44	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*14*	*T J*	*ug/L*		*1.48*		*06/24/15 10:27*	*06/26/15 20:44*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*28 - 106*	*06/24/15 10:27*	*06/26/15 20:44*	*1*
2-Fluorophenol	*61*		*20 - 108*	*06/24/15 10:27*	*06/26/15 20:44*	*1*
2,4,6-Tribromophenol	*77*		*25 - 118*	*06/24/15 10:27*	*06/26/15 20:44*	*1*
Nitrobenzene-d5	*70*		*27 - 110*	*06/24/15 10:27*	*06/26/15 20:44*	*1*
Phenol-d5	*63*		*23 - 111*	*06/24/15 10:27*	*06/26/15 20:44*	*1*
Terphenyl-d14	*48*		*20 - 109*	*06/24/15 10:27*	*06/26/15 20:44*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45315-1

Method: 8081B - Organochlorine Pesticides (GC)

Client Sample ID: WG-9954-062215-DJT-004
Date Collected: 06/22/15 12:20
Date Received: 06/23/15 09:15

Lab Sample ID: 180-45315-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.050	0.033	ug/L		06/24/15 08:49	07/01/15 20:19	1
alpha-BHC	ND		0.050	0.027	ug/L		06/24/15 08:49	07/01/15 20:19	1
beta-BHC	ND		0.050	0.040	ug/L		06/24/15 08:49	07/01/15 20:19	1
delta-BHC	ND		0.050	0.017	ug/L		06/24/15 08:49	07/01/15 20:19	1
gamma-BHC (Lindane)	ND		0.050	0.032	ug/L		06/24/15 08:49	07/01/15 20:19	1
alpha-Chlordane	ND		0.050	0.039	ug/L		06/24/15 08:49	07/01/15 20:19	1
gamma-Chlordane	ND		0.050	0.039	ug/L		06/24/15 08:49	07/01/15 20:19	1
4,4'-DDD	ND		0.050	0.027	ug/L		06/24/15 08:49	07/01/15 20:19	1
4,4'-DDE	ND		0.050	0.032	ug/L		06/24/15 08:49	07/01/15 20:19	1
4,4'-DDT	ND		0.050	0.030	ug/L		06/24/15 08:49	07/01/15 20:19	1
Dieldrin	ND		0.050	0.033	ug/L		06/24/15 08:49	07/01/15 20:19	1
Endosulfan I	ND		0.050	0.038	ug/L		06/24/15 08:49	07/01/15 20:19	1
Endosulfan II	ND		0.050	0.039	ug/L		06/24/15 08:49	07/01/15 20:19	1
Endosulfan sulfate	ND		0.050	0.023	ug/L		06/24/15 08:49	07/01/15 20:19	1
Endrin	ND		0.050	0.039	ug/L		06/24/15 08:49	07/01/15 20:19	1
Endrin ketone	ND		0.050	0.037	ug/L		06/24/15 08:49	07/01/15 20:19	1
Heptachlor	ND		0.050	0.040	ug/L		06/24/15 08:49	07/01/15 20:19	1
Heptachlor epoxide	ND		0.050	0.039	ug/L		06/24/15 08:49	07/01/15 20:19	1
Methoxychlor	ND		0.10	0.037	ug/L		06/24/15 08:49	07/01/15 20:19	1
Toxaphene	ND		4.0	0.74	ug/L		06/24/15 08:49	07/01/15 20:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*82*		*45 - 130*	*06/24/15 08:49*	*07/01/15 20:19*	*1*
Tetrachloro-m-xylene	*80*		*45 - 130*	*06/24/15 08:49*	*07/01/15 20:19*	*1*
DCB Decachlorobiphenyl (Surr)	*84*		*45 - 130*	*06/24/15 08:49*	*07/01/15 20:19*	*1*
DCB Decachlorobiphenyl (Surr)	*84*		*45 - 130*	*06/24/15 08:49*	*07/01/15 20:19*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45315-1

Method: 8081B - Organochlorine Pesticides (GC)

Client Sample ID: WG-9954-062215-DJT-005
Date Collected: 06/22/15 13:05
Date Received: 06/23/15 09:15

Lab Sample ID: 180-45315-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.050	0.033	ug/L		06/24/15 08:49	07/01/15 20:35	1
alpha-BHC	ND		0.050	0.027	ug/L		06/24/15 08:49	07/01/15 20:35	1
beta-BHC	ND		0.050	0.040	ug/L		06/24/15 08:49	07/01/15 20:35	1
delta-BHC	ND		0.050	0.017	ug/L		06/24/15 08:49	07/01/15 20:35	1
gamma-BHC (Lindane)	ND		0.050	0.032	ug/L		06/24/15 08:49	07/01/15 20:35	1
alpha-Chlordane	ND		0.050	0.039	ug/L		06/24/15 08:49	07/01/15 20:35	1
gamma-Chlordane	ND		0.050	0.039	ug/L		06/24/15 08:49	07/01/15 20:35	1
4,4'-DDD	ND		0.050	0.027	ug/L		06/24/15 08:49	07/01/15 20:35	1
4,4'-DDE	ND		0.050	0.032	ug/L		06/24/15 08:49	07/01/15 20:35	1
4,4'-DDT	ND		0.050	0.030	ug/L		06/24/15 08:49	07/01/15 20:35	1
Dieldrin	ND		0.050	0.033	ug/L		06/24/15 08:49	07/01/15 20:35	1
Endosulfan I	ND		0.050	0.038	ug/L		06/24/15 08:49	07/01/15 20:35	1
Endosulfan II	ND		0.050	0.039	ug/L		06/24/15 08:49	07/01/15 20:35	1
Endosulfan sulfate	ND		0.050	0.023	ug/L		06/24/15 08:49	07/01/15 20:35	1
Endrin	ND		0.050	0.039	ug/L		06/24/15 08:49	07/01/15 20:35	1
Endrin ketone	ND		0.050	0.037	ug/L		06/24/15 08:49	07/01/15 20:35	1
Heptachlor	ND		0.050	0.040	ug/L		06/24/15 08:49	07/01/15 20:35	1
Heptachlor epoxide	ND		0.050	0.039	ug/L		06/24/15 08:49	07/01/15 20:35	1
Methoxychlor	ND		0.10	0.037	ug/L		06/24/15 08:49	07/01/15 20:35	1
Toxaphene	ND		4.0	0.74	ug/L		06/24/15 08:49	07/01/15 20:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*69*		*45 - 130*	*06/24/15 08:49*	*07/01/15 20:35*	*1*
Tetrachloro-m-xylene	*68*		*45 - 130*	*06/24/15 08:49*	*07/01/15 20:35*	*1*
DCB Decachlorobiphenyl (Surr)	*82*		*45 - 130*	*06/24/15 08:49*	*07/01/15 20:35*	*1*
DCB Decachlorobiphenyl (Surr)	*82*		*45 - 130*	*06/24/15 08:49*	*07/01/15 20:35*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45315-1

Method: 8081B - Organochlorine Pesticides (GC)

Client Sample ID: WG-9954-062215-DJT-006
Date Collected: 06/22/15 13:40
Date Received: 06/23/15 09:15

Lab Sample ID: 180-45315-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.050	0.033	ug/L		06/24/15 08:49	07/01/15 20:50	1
alpha-BHC	ND		0.050	0.027	ug/L		06/24/15 08:49	07/01/15 20:50	1
beta-BHC	ND		0.050	0.040	ug/L		06/24/15 08:49	07/01/15 20:50	1
delta-BHC	ND		0.050	0.017	ug/L		06/24/15 08:49	07/01/15 20:50	1
gamma-BHC (Lindane)	ND		0.050	0.032	ug/L		06/24/15 08:49	07/01/15 20:50	1
alpha-Chlordane	ND		0.050	0.039	ug/L		06/24/15 08:49	07/01/15 20:50	1
gamma-Chlordane	ND		0.050	0.039	ug/L		06/24/15 08:49	07/01/15 20:50	1
4,4'-DDD	ND		0.050	0.027	ug/L		06/24/15 08:49	07/01/15 20:50	1
4,4'-DDE	ND		0.050	0.032	ug/L		06/24/15 08:49	07/01/15 20:50	1
4,4'-DDT	ND		0.050	0.030	ug/L		06/24/15 08:49	07/01/15 20:50	1
Dieldrin	ND		0.050	0.033	ug/L		06/24/15 08:49	07/01/15 20:50	1
Endosulfan I	ND		0.050	0.038	ug/L		06/24/15 08:49	07/01/15 20:50	1
Endosulfan II	ND		0.050	0.039	ug/L		06/24/15 08:49	07/01/15 20:50	1
Endosulfan sulfate	ND		0.050	0.023	ug/L		06/24/15 08:49	07/01/15 20:50	1
Endrin	ND		0.050	0.039	ug/L		06/24/15 08:49	07/01/15 20:50	1
Endrin ketone	ND		0.050	0.037	ug/L		06/24/15 08:49	07/01/15 20:50	1
Heptachlor	ND		0.050	0.040	ug/L		06/24/15 08:49	07/01/15 20:50	1
Heptachlor epoxide	ND		0.050	0.039	ug/L		06/24/15 08:49	07/01/15 20:50	1
Methoxychlor	ND		0.10	0.037	ug/L		06/24/15 08:49	07/01/15 20:50	1
Toxaphene	ND		4.0	0.74	ug/L		06/24/15 08:49	07/01/15 20:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*80*		*45 - 130*	*06/24/15 08:49*	*07/01/15 20:50*	*1*
Tetrachloro-m-xylene	*78*		*45 - 130*	*06/24/15 08:49*	*07/01/15 20:50*	*1*
DCB Decachlorobiphenyl (Surr)	*86*		*45 - 130*	*06/24/15 08:49*	*07/01/15 20:50*	*1*
DCB Decachlorobiphenyl (Surr)	*87*		*45 - 130*	*06/24/15 08:49*	*07/01/15 20:50*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45315-1

Method: 8081B - Organochlorine Pesticides (GC)

Client Sample ID: WG-9954-062215-DJT-007
Date Collected: 06/22/15 14:25
Date Received: 06/23/15 09:15

Lab Sample ID: 180-45315-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.050	0.033	ug/L		06/24/15 08:49	07/01/15 21:06	1
alpha-BHC	ND		0.050	0.027	ug/L		06/24/15 08:49	07/01/15 21:06	1
beta-BHC	ND		0.050	0.040	ug/L		06/24/15 08:49	07/01/15 21:06	1
delta-BHC	ND		0.050	0.017	ug/L		06/24/15 08:49	07/01/15 21:06	1
gamma-BHC (Lindane)	ND		0.050	0.032	ug/L		06/24/15 08:49	07/01/15 21:06	1
alpha-Chlordane	ND		0.050	0.039	ug/L		06/24/15 08:49	07/01/15 21:06	1
gamma-Chlordane	ND		0.050	0.039	ug/L		06/24/15 08:49	07/01/15 21:06	1
4,4'-DDD	ND		0.050	0.027	ug/L		06/24/15 08:49	07/01/15 21:06	1
4,4'-DDE	ND		0.050	0.032	ug/L		06/24/15 08:49	07/01/15 21:06	1
4,4'-DDT	ND		0.050	0.030	ug/L		06/24/15 08:49	07/01/15 21:06	1
Dieldrin	ND		0.050	0.033	ug/L		06/24/15 08:49	07/01/15 21:06	1
Endosulfan I	ND		0.050	0.038	ug/L		06/24/15 08:49	07/01/15 21:06	1
Endosulfan II	ND		0.050	0.039	ug/L		06/24/15 08:49	07/01/15 21:06	1
Endosulfan sulfate	ND		0.050	0.023	ug/L		06/24/15 08:49	07/01/15 21:06	1
Endrin	ND		0.050	0.039	ug/L		06/24/15 08:49	07/01/15 21:06	1
Endrin ketone	ND		0.050	0.037	ug/L		06/24/15 08:49	07/01/15 21:06	1
Heptachlor	ND		0.050	0.040	ug/L		06/24/15 08:49	07/01/15 21:06	1
Heptachlor epoxide	ND		0.050	0.039	ug/L		06/24/15 08:49	07/01/15 21:06	1
Methoxychlor	ND		0.10	0.037	ug/L		06/24/15 08:49	07/01/15 21:06	1
Toxaphene	ND		4.0	0.74	ug/L		06/24/15 08:49	07/01/15 21:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*87*		*45 - 130*	*06/24/15 08:49*	*07/01/15 21:06*	*1*
Tetrachloro-m-xylene	*85*		*45 - 130*	*06/24/15 08:49*	*07/01/15 21:06*	*1*
DCB Decachlorobiphenyl (Surr)	*89*		*45 - 130*	*06/24/15 08:49*	*07/01/15 21:06*	*1*
DCB Decachlorobiphenyl (Surr)	*88*		*45 - 130*	*06/24/15 08:49*	*07/01/15 21:06*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45315-1

Method: 8081B - Organochlorine Pesticides (GC)

Client Sample ID: WG-9954-062215-DJT-008
Date Collected: 06/22/15 14:25
Date Received: 06/23/15 09:15

Lab Sample ID: 180-45315-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.050	0.033	ug/L		06/24/15 08:49	07/01/15 21:21	1
alpha-BHC	ND		0.050	0.027	ug/L		06/24/15 08:49	07/01/15 21:21	1
beta-BHC	ND		0.050	0.040	ug/L		06/24/15 08:49	07/01/15 21:21	1
delta-BHC	ND		0.050	0.017	ug/L		06/24/15 08:49	07/01/15 21:21	1
gamma-BHC (Lindane)	ND		0.050	0.032	ug/L		06/24/15 08:49	07/01/15 21:21	1
alpha-Chlordane	ND		0.050	0.039	ug/L		06/24/15 08:49	07/01/15 21:21	1
gamma-Chlordane	ND		0.050	0.039	ug/L		06/24/15 08:49	07/01/15 21:21	1
4,4'-DDD	ND		0.050	0.027	ug/L		06/24/15 08:49	07/01/15 21:21	1
4,4'-DDE	ND		0.050	0.032	ug/L		06/24/15 08:49	07/01/15 21:21	1
4,4'-DDT	ND		0.050	0.030	ug/L		06/24/15 08:49	07/01/15 21:21	1
Dieldrin	ND		0.050	0.033	ug/L		06/24/15 08:49	07/01/15 21:21	1
Endosulfan I	ND		0.050	0.038	ug/L		06/24/15 08:49	07/01/15 21:21	1
Endosulfan II	ND		0.050	0.039	ug/L		06/24/15 08:49	07/01/15 21:21	1
Endosulfan sulfate	ND		0.050	0.023	ug/L		06/24/15 08:49	07/01/15 21:21	1
Endrin	ND		0.050	0.039	ug/L		06/24/15 08:49	07/01/15 21:21	1
Endrin ketone	ND		0.050	0.037	ug/L		06/24/15 08:49	07/01/15 21:21	1
Heptachlor	ND		0.050	0.040	ug/L		06/24/15 08:49	07/01/15 21:21	1
Heptachlor epoxide	ND		0.050	0.039	ug/L		06/24/15 08:49	07/01/15 21:21	1
Methoxychlor	ND		0.10	0.037	ug/L		06/24/15 08:49	07/01/15 21:21	1
Toxaphene	ND		4.0	0.74	ug/L		06/24/15 08:49	07/01/15 21:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*88*		*45 - 130*	*06/24/15 08:49*	*07/01/15 21:21*	*1*
Tetrachloro-m-xylene	*83*		*45 - 130*	*06/24/15 08:49*	*07/01/15 21:21*	*1*
DCB Decachlorobiphenyl (Surr)	*90*		*45 - 130*	*06/24/15 08:49*	*07/01/15 21:21*	*1*
DCB Decachlorobiphenyl (Surr)	*85*		*45 - 130*	*06/24/15 08:49*	*07/01/15 21:21*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45315-1

Method: 8081B - Organochlorine Pesticides (GC)

Client Sample ID: WG-9954-062215-DJT-009
Date Collected: 06/22/15 15:15
Date Received: 06/23/15 09:15

Lab Sample ID: 180-45315-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.050	0.033	ug/L		06/24/15 08:49	07/01/15 21:37	1
alpha-BHC	ND		0.050	0.027	ug/L		06/24/15 08:49	07/01/15 21:37	1
beta-BHC	ND		0.050	0.040	ug/L		06/24/15 08:49	07/01/15 21:37	1
delta-BHC	ND		0.050	0.017	ug/L		06/24/15 08:49	07/01/15 21:37	1
gamma-BHC (Lindane)	ND		0.050	0.032	ug/L		06/24/15 08:49	07/01/15 21:37	1
alpha-Chlordane	ND		0.050	0.039	ug/L		06/24/15 08:49	07/01/15 21:37	1
gamma-Chlordane	ND		0.050	0.039	ug/L		06/24/15 08:49	07/01/15 21:37	1
4,4'-DDD	ND		0.050	0.027	ug/L		06/24/15 08:49	07/01/15 21:37	1
4,4'-DDE	ND		0.050	0.032	ug/L		06/24/15 08:49	07/01/15 21:37	1
4,4'-DDT	ND		0.050	0.030	ug/L		06/24/15 08:49	07/01/15 21:37	1
Dieldrin	ND		0.050	0.033	ug/L		06/24/15 08:49	07/01/15 21:37	1
Endosulfan I	ND		0.050	0.038	ug/L		06/24/15 08:49	07/01/15 21:37	1
Endosulfan II	ND		0.050	0.039	ug/L		06/24/15 08:49	07/01/15 21:37	1
Endosulfan sulfate	ND		0.050	0.023	ug/L		06/24/15 08:49	07/01/15 21:37	1
Endrin	ND		0.050	0.039	ug/L		06/24/15 08:49	07/01/15 21:37	1
Endrin ketone	ND		0.050	0.037	ug/L		06/24/15 08:49	07/01/15 21:37	1
Heptachlor	ND		0.050	0.040	ug/L		06/24/15 08:49	07/01/15 21:37	1
Heptachlor epoxide	ND		0.050	0.039	ug/L		06/24/15 08:49	07/01/15 21:37	1
Methoxychlor	ND		0.10	0.037	ug/L		06/24/15 08:49	07/01/15 21:37	1
Toxaphene	ND		4.0	0.74	ug/L		06/24/15 08:49	07/01/15 21:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*86*		*45 - 130*	*06/24/15 08:49*	*07/01/15 21:37*	*1*
Tetrachloro-m-xylene	*82*		*45 - 130*	*06/24/15 08:49*	*07/01/15 21:37*	*1*
DCB Decachlorobiphenyl (Surr)	*90*		*45 - 130*	*06/24/15 08:49*	*07/01/15 21:37*	*1*
DCB Decachlorobiphenyl (Surr)	*88*		*45 - 130*	*06/24/15 08:49*	*07/01/15 21:37*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45315-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: WG-9954-062215-DJT-004
Date Collected: 06/22/15 12:20
Date Received: 06/23/15 09:15

Lab Sample ID: 180-45315-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.40	0.10	ug/L		06/24/15 08:49	06/25/15 17:16	1
PCB-1221	ND		0.40	0.16	ug/L		06/24/15 08:49	06/25/15 17:16	1
PCB-1232	ND		0.40	0.16	ug/L		06/24/15 08:49	06/25/15 17:16	1
PCB-1242	ND		0.40	0.074	ug/L		06/24/15 08:49	06/25/15 17:16	1
PCB-1248	ND		0.40	0.11	ug/L		06/24/15 08:49	06/25/15 17:16	1
PCB-1254	ND		0.40	0.12	ug/L		06/24/15 08:49	06/25/15 17:16	1
PCB-1260	ND		0.40	0.068	ug/L		06/24/15 08:49	06/25/15 17:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*69*		*35 - 140*	*06/24/15 08:49*	*06/25/15 17:16*	*1*
Tetrachloro-m-xylene (Surr)	*60*		*35 - 140*	*06/24/15 08:49*	*06/25/15 17:16*	*1*
DCB Decachlorobiphenyl (Surr)	*93*		*35 - 140*	*06/24/15 08:49*	*06/25/15 17:16*	*1*
DCB Decachlorobiphenyl (Surr)	*93*		*35 - 140*	*06/24/15 08:49*	*06/25/15 17:16*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45315-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: WG-9954-062215-DJT-005
Date Collected: 06/22/15 13:05
Date Received: 06/23/15 09:15

Lab Sample ID: 180-45315-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.40	0.10	ug/L		06/24/15 08:49	06/25/15 17:38	1
PCB-1221	ND		0.40	0.16	ug/L		06/24/15 08:49	06/25/15 17:38	1
PCB-1232	ND		0.40	0.16	ug/L		06/24/15 08:49	06/25/15 17:38	1
PCB-1242	ND		0.40	0.074	ug/L		06/24/15 08:49	06/25/15 17:38	1
PCB-1248	ND		0.40	0.11	ug/L		06/24/15 08:49	06/25/15 17:38	1
PCB-1254	ND		0.40	0.12	ug/L		06/24/15 08:49	06/25/15 17:38	1
PCB-1260	ND		0.40	0.068	ug/L		06/24/15 08:49	06/25/15 17:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*58*		*35 - 140*	*06/24/15 08:49*	*06/25/15 17:38*	*1*
Tetrachloro-m-xylene (Surr)	*51*		*35 - 140*	*06/24/15 08:49*	*06/25/15 17:38*	*1*
DCB Decachlorobiphenyl (Surr)	*91*		*35 - 140*	*06/24/15 08:49*	*06/25/15 17:38*	*1*
DCB Decachlorobiphenyl (Surr)	*94*		*35 - 140*	*06/24/15 08:49*	*06/25/15 17:38*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45315-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: WG-9954-062215-DJT-006
Date Collected: 06/22/15 13:40
Date Received: 06/23/15 09:15

Lab Sample ID: 180-45315-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.40	0.10	ug/L		06/24/15 08:49	06/25/15 18:00	1
PCB-1221	ND		0.40	0.16	ug/L		06/24/15 08:49	06/25/15 18:00	1
PCB-1232	ND		0.40	0.16	ug/L		06/24/15 08:49	06/25/15 18:00	1
PCB-1242	ND		0.40	0.074	ug/L		06/24/15 08:49	06/25/15 18:00	1
PCB-1248	ND		0.40	0.11	ug/L		06/24/15 08:49	06/25/15 18:00	1
PCB-1254	ND		0.40	0.12	ug/L		06/24/15 08:49	06/25/15 18:00	1
PCB-1260	ND		0.40	0.068	ug/L		06/24/15 08:49	06/25/15 18:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*69*		*35 - 140*	*06/24/15 08:49*	*06/25/15 18:00*	*1*
Tetrachloro-m-xylene (Surr)	*61*		*35 - 140*	*06/24/15 08:49*	*06/25/15 18:00*	*1*
DCB Decachlorobiphenyl (Surr)	*95*		*35 - 140*	*06/24/15 08:49*	*06/25/15 18:00*	*1*
DCB Decachlorobiphenyl (Surr)	*97*		*35 - 140*	*06/24/15 08:49*	*06/25/15 18:00*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45315-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: WG-9954-062215-DJT-007
Date Collected: 06/22/15 14:25
Date Received: 06/23/15 09:15

Lab Sample ID: 180-45315-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.40	0.10	ug/L		06/24/15 08:49	06/25/15 18:22	1
PCB-1221	ND		0.40	0.16	ug/L		06/24/15 08:49	06/25/15 18:22	1
PCB-1232	ND		0.40	0.16	ug/L		06/24/15 08:49	06/25/15 18:22	1
PCB-1242	ND		0.40	0.074	ug/L		06/24/15 08:49	06/25/15 18:22	1
PCB-1248	ND		0.40	0.11	ug/L		06/24/15 08:49	06/25/15 18:22	1
PCB-1254	ND		0.40	0.12	ug/L		06/24/15 08:49	06/25/15 18:22	1
PCB-1260	ND		0.40	0.068	ug/L		06/24/15 08:49	06/25/15 18:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*77*		*35 - 140*	*06/24/15 08:49*	*06/25/15 18:22*	*1*
Tetrachloro-m-xylene (Surr)	*68*		*35 - 140*	*06/24/15 08:49*	*06/25/15 18:22*	*1*
DCB Decachlorobiphenyl (Surr)	*95*		*35 - 140*	*06/24/15 08:49*	*06/25/15 18:22*	*1*
DCB Decachlorobiphenyl (Surr)	*98*		*35 - 140*	*06/24/15 08:49*	*06/25/15 18:22*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45315-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: WG-9954-062215-DJT-008
Date Collected: 06/22/15 14:25
Date Received: 06/23/15 09:15

Lab Sample ID: 180-45315-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.40	0.10	ug/L		06/24/15 08:49	06/25/15 18:44	1
PCB-1221	ND		0.40	0.16	ug/L		06/24/15 08:49	06/25/15 18:44	1
PCB-1232	ND		0.40	0.16	ug/L		06/24/15 08:49	06/25/15 18:44	1
PCB-1242	ND		0.40	0.074	ug/L		06/24/15 08:49	06/25/15 18:44	1
PCB-1248	ND		0.40	0.11	ug/L		06/24/15 08:49	06/25/15 18:44	1
PCB-1254	ND		0.40	0.12	ug/L		06/24/15 08:49	06/25/15 18:44	1
PCB-1260	ND		0.40	0.068	ug/L		06/24/15 08:49	06/25/15 18:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*76*		*35 - 140*	*06/24/15 08:49*	*06/25/15 18:44*	*1*
Tetrachloro-m-xylene (Surr)	*66*		*35 - 140*	*06/24/15 08:49*	*06/25/15 18:44*	*1*
DCB Decachlorobiphenyl (Surr)	*95*		*35 - 140*	*06/24/15 08:49*	*06/25/15 18:44*	*1*
DCB Decachlorobiphenyl (Surr)	*98*		*35 - 140*	*06/24/15 08:49*	*06/25/15 18:44*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45315-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: WG-9954-062215-DJT-009
Date Collected: 06/22/15 15:15
Date Received: 06/23/15 09:15

Lab Sample ID: 180-45315-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.40	0.10	ug/L		06/24/15 08:49	06/25/15 19:06	1
PCB-1221	ND		0.40	0.16	ug/L		06/24/15 08:49	06/25/15 19:06	1
PCB-1232	ND		0.40	0.16	ug/L		06/24/15 08:49	06/25/15 19:06	1
PCB-1242	ND		0.40	0.074	ug/L		06/24/15 08:49	06/25/15 19:06	1
PCB-1248	ND		0.40	0.11	ug/L		06/24/15 08:49	06/25/15 19:06	1
PCB-1254	ND		0.40	0.12	ug/L		06/24/15 08:49	06/25/15 19:06	1
PCB-1260	ND		0.40	0.068	ug/L		06/24/15 08:49	06/25/15 19:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*73*		*35 - 140*	*06/24/15 08:49*	*06/25/15 19:06*	*1*
Tetrachloro-m-xylene (Surr)	*64*		*35 - 140*	*06/24/15 08:49*	*06/25/15 19:06*	*1*
DCB Decachlorobiphenyl (Surr)	*92*		*35 - 140*	*06/24/15 08:49*	*06/25/15 19:06*	*1*
DCB Decachlorobiphenyl (Surr)	*95*		*35 - 140*	*06/24/15 08:49*	*06/25/15 19:06*	*1*

CHAIN-OF-CUSTODY/Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Client Information	
GLEN SPRINGS HOLDINGS INC	Report To: Susan Scrocchi
805 97TH STREET	Copy To:
LOVE CANAL	
NIAGARA FALLS, NEW YORK 14304	Invoice To:
Phone: 716-283-0111	PO:
Fax: 716-283-2856	Project Name: LOVE CANAL ANNUAL GW
Email: sscrocchi@craworld.com	Project Number: 9954

Lab Information
Laboratory: TEST AMERICA PITTSBURGH
Laboratory Location: 301 ALPHA DRIVE PITTSBURGH, PA 15238
Laboratory Contact: JILL COLUSSY
Requested Due Date: TAT: 10
QA/QC Requirements:

Event Information
ID#: LC ANNUAL GW SAMPLING-02-1
SSOW Ref#:
Sampler Name: SHAWN GARDNER

Valid Matrix Code
WG Groundwater
WB Borehole Water
WS Surface Water
SO Soil
SE Sediment

Sample Condition	
Temp in C	
Received on ice	Y/N
Sealed Cooler	Y/N
Samples Intact	Y/N

180-45315 Chain of Custody

Sample Identification	Matrix Code	Date Collected	Time Collected	PestPCBs(None)	SVOC(none)	VOA(HCl)	Remarks
WG-9954-062215-DJT-004	WG	06/22/2015	12:20	4	2	3	
WG-9954-062215-DJT-005	WG	06/22/2015	13:05	4	2	3	
WG-9954-062215-DJT-006	WG	06/22/2015	13:40	4	2	3	
WG-9954-062215-DJT-007	WG	06/22/2015	14:25	4	2	3	
WG-9954-062215-DJT-008	WG	06/22/2015	14:25	4	2	3	
WG-9954-062215-DJT-009	WG	06/22/2015	15:15	4	2	3	
LCTRIP-062215-DJT	WG Q	06/22/2015	00:00	-	-	3	
Total Bottles				**24**	**12**	**21**	**Grand Total:57**

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY:	DATE	TIME	RECIEVED BY:	DATE	TIME
FedEx	2	Shawn Gardner	6/22/15	1530	Jillie Watson TAL	6-23-15	9:15
AIRBILL#:							

ANALYTICAL REPORT

Job Number: 180-45380-1

Job Description: 9954, Love Canal Annual

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

Attention: Ms. Sue Scrocchi

Approved for release.
Jill L Colussy
Project Manager I
7/9/2015 5:20 PM

Jill L Colussy, Project Manager I
301 Alpha Drive, Pittsburgh, PA, 15238
(412)963-2444
jill.colussy@testamericainc.com
07/09/2015

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.

GC/MS VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	Presumptive evidence of material.
T	Result is a tentatively identified compound (TIC) and an estimated value.

GC/MS Semi VOA

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

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
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)

CASE NARRATIVE

Client: GHD Services Inc.

Project: 9954, Love Canal Annual

Report Number: 180-45380-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT
The samples were received on 6/24/2015 8:45 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 3.6º C and 3.6º C.

VOLATILES
The laboratory control standard for batch 180-146491 recovered outside of the control limits for 1,1-Dichloroethene and Vinyl acetate. As the recoveries were high and the samples were non-detect for these compounds, all data was reported.

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

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

PCBS
No 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: 9954, Love Canal Annual

TestAmerica Job ID: 180-45380-1

Client Sample ID: WG-9954-062315-SG-014 — Lab Sample ID: 180-45380-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	9.8	J	19	4.1	ug/L	1		8270D	Total/NA

Client Sample ID: WG-9954-062315-SG-012 — Lab Sample ID: 180-45380-2

No Detections.

Client Sample ID: WG-9954-062315-SG-013 — Lab Sample ID: 180-45380-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	4.2	J	19	4.1	ug/L	1		8270D	Total/NA

Client Sample ID: WG-9954-062315-SG-010 — Lab Sample ID: 180-45380-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	7.5	J	19	4.1	ug/L	1		8270D	Total/NA

Client Sample ID: LCTRIP-062315 — Lab Sample ID: 180-45380-5

No Detections.

Client Sample ID: WG-9954-062315-SG-011 — Lab Sample ID: 180-45380-6

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45380-1

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

Client Sample ID: WG-9954-062315-SG-014
Date Collected: 06/23/15 14:25
Date Received: 06/24/15 08:45

Lab Sample ID: 180-45380-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	1.0	ug/L			06/30/15 17:29	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.93	ug/L			06/30/15 17:29	1
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			06/30/15 17:29	1
1,1-Dichloroethane	ND		5.0	1.0	ug/L			06/30/15 17:29	1
1,1-Dichloroethene	ND	*	5.0	1.1	ug/L			06/30/15 17:29	1
1,2-Dichloroethane	ND		5.0	0.96	ug/L			06/30/15 17:29	1
1,2-Dichloropropane	ND		5.0	1.3	ug/L			06/30/15 17:29	1
2-Butanone (MEK)	ND		5.0	1.1	ug/L			06/30/15 17:29	1
2-Hexanone	ND		5.0	0.57	ug/L			06/30/15 17:29	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.59	ug/L			06/30/15 17:29	1
Acetone	ND		20	5.0	ug/L			06/30/15 17:29	1
Benzene	ND		5.0	0.99	ug/L			06/30/15 17:29	1
Bromodichloromethane	ND		5.0	0.93	ug/L			06/30/15 17:29	1
Bromoform	ND		5.0	1.1	ug/L			06/30/15 17:29	1
Bromomethane	ND		5.0	1.6	ug/L			06/30/15 17:29	1
Carbon disulfide	ND		5.0	1.1	ug/L			06/30/15 17:29	1
Carbon tetrachloride	ND		5.0	1.1	ug/L			06/30/15 17:29	1
Chlorobenzene	ND		5.0	0.53	ug/L			06/30/15 17:29	1
Chloroethane	ND		5.0	0.75	ug/L			06/30/15 17:29	1
Chloroform	ND		5.0	1.0	ug/L			06/30/15 17:29	1
Chloromethane	ND		5.0	1.4	ug/L			06/30/15 17:29	1
cis-1,2-Dichloroethene	ND		5.0	0.67	ug/L			06/30/15 17:29	1
cis-1,3-Dichloropropene	ND		5.0	0.73	ug/L			06/30/15 17:29	1
Dibromochloromethane	ND		5.0	0.65	ug/L			06/30/15 17:29	1
Ethylbenzene	ND		5.0	0.62	ug/L			06/30/15 17:29	1
Methylene Chloride	ND		5.0	1.1	ug/L			06/30/15 17:29	1
Styrene	ND		5.0	0.64	ug/L			06/30/15 17:29	1
Tetrachloroethene	ND		5.0	0.82	ug/L			06/30/15 17:29	1
Toluene	ND		5.0	0.85	ug/L			06/30/15 17:29	1
trans-1,2-Dichloroethene	ND		5.0	0.75	ug/L			06/30/15 17:29	1
trans-1,3-Dichloropropene	ND		5.0	0.58	ug/L			06/30/15 17:29	1
Trichloroethene	ND		5.0	0.80	ug/L			06/30/15 17:29	1
Vinyl acetate	ND	*	5.0	0.86	ug/L			06/30/15 17:29	1
Vinyl chloride	ND		5.0	1.3	ug/L			06/30/15 17:29	1
Xylenes, Total	ND		10	1.7	ug/L			06/30/15 17:29	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*06/30/15 17:29*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*78*		*62 - 123*		*06/30/15 17:29*	*1*
4-Bromofluorobenzene (Surr)	*84*		*75 - 120*		*06/30/15 17:29*	*1*
Dibromofluoromethane (Surr)	*94*		*80 - 120*		*06/30/15 17:29*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*06/30/15 17:29*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45380-1

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

Client Sample ID: WG-9954-062315-SG-012
Date Collected: 06/23/15 12:25
Date Received: 06/24/15 08:45

Lab Sample ID: 180-45380-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	1.0	ug/L			06/30/15 17:53	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.93	ug/L			06/30/15 17:53	1
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			06/30/15 17:53	1
1,1-Dichloroethane	ND		5.0	1.0	ug/L			06/30/15 17:53	1
1,1-Dichloroethene	ND	*	5.0	1.1	ug/L			06/30/15 17:53	1
1,2-Dichloroethane	ND		5.0	0.96	ug/L			06/30/15 17:53	1
1,2-Dichloropropane	ND		5.0	1.3	ug/L			06/30/15 17:53	1
2-Butanone (MEK)	ND		5.0	1.1	ug/L			06/30/15 17:53	1
2-Hexanone	ND		5.0	0.57	ug/L			06/30/15 17:53	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.59	ug/L			06/30/15 17:53	1
Acetone	ND		20	5.0	ug/L			06/30/15 17:53	1
Benzene	ND		5.0	0.99	ug/L			06/30/15 17:53	1
Bromodichloromethane	ND		5.0	0.93	ug/L			06/30/15 17:53	1
Bromoform	ND		5.0	1.1	ug/L			06/30/15 17:53	1
Bromomethane	ND		5.0	1.6	ug/L			06/30/15 17:53	1
Carbon disulfide	ND		5.0	1.1	ug/L			06/30/15 17:53	1
Carbon tetrachloride	ND		5.0	1.1	ug/L			06/30/15 17:53	1
Chlorobenzene	ND		5.0	0.53	ug/L			06/30/15 17:53	1
Chloroethane	ND		5.0	0.75	ug/L			06/30/15 17:53	1
Chloroform	ND		5.0	1.0	ug/L			06/30/15 17:53	1
Chloromethane	ND		5.0	1.4	ug/L			06/30/15 17:53	1
cis-1,2-Dichloroethene	ND		5.0	0.67	ug/L			06/30/15 17:53	1
cis-1,3-Dichloropropene	ND		5.0	0.73	ug/L			06/30/15 17:53	1
Dibromochloromethane	ND		5.0	0.65	ug/L			06/30/15 17:53	1
Ethylbenzene	ND		5.0	0.62	ug/L			06/30/15 17:53	1
Methylene Chloride	ND		5.0	1.1	ug/L			06/30/15 17:53	1
Styrene	ND		5.0	0.64	ug/L			06/30/15 17:53	1
Tetrachloroethene	ND		5.0	0.82	ug/L			06/30/15 17:53	1
Toluene	ND		5.0	0.85	ug/L			06/30/15 17:53	1
trans-1,2-Dichloroethene	ND		5.0	0.75	ug/L			06/30/15 17:53	1
trans-1,3-Dichloropropene	ND		5.0	0.58	ug/L			06/30/15 17:53	1
Trichloroethene	ND		5.0	0.80	ug/L			06/30/15 17:53	1
Vinyl acetate	ND	*	5.0	0.86	ug/L			06/30/15 17:53	1
Vinyl chloride	ND		5.0	1.3	ug/L			06/30/15 17:53	1
Xylenes, Total	ND		10	1.7	ug/L			06/30/15 17:53	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*06/30/15 17:53*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*79*		*62 - 123*		*06/30/15 17:53*	*1*
4-Bromofluorobenzene (Surr)	*89*		*75 - 120*		*06/30/15 17:53*	*1*
Dibromofluoromethane (Surr)	*93*		*80 - 120*		*06/30/15 17:53*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*06/30/15 17:53*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45380-1

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

Client Sample ID: WG-9954-062315-SG-013
Date Collected: 06/23/15 13:45
Date Received: 06/24/15 08:45

Lab Sample ID: 180-45380-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	1.0	ug/L			06/30/15 18:18	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.93	ug/L			06/30/15 18:18	1
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			06/30/15 18:18	1
1,1-Dichloroethane	ND		5.0	1.0	ug/L			06/30/15 18:18	1
1,1-Dichloroethene	ND	*	5.0	1.1	ug/L			06/30/15 18:18	1
1,2-Dichloroethane	ND		5.0	0.96	ug/L			06/30/15 18:18	1
1,2-Dichloropropane	ND		5.0	1.3	ug/L			06/30/15 18:18	1
2-Butanone (MEK)	ND		5.0	1.1	ug/L			06/30/15 18:18	1
2-Hexanone	ND		5.0	0.57	ug/L			06/30/15 18:18	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.59	ug/L			06/30/15 18:18	1
Acetone	ND		20	5.0	ug/L			06/30/15 18:18	1
Benzene	ND		5.0	0.99	ug/L			06/30/15 18:18	1
Bromodichloromethane	ND		5.0	0.93	ug/L			06/30/15 18:18	1
Bromoform	ND		5.0	1.1	ug/L			06/30/15 18:18	1
Bromomethane	ND		5.0	1.6	ug/L			06/30/15 18:18	1
Carbon disulfide	ND		5.0	1.1	ug/L			06/30/15 18:18	1
Carbon tetrachloride	ND		5.0	1.1	ug/L			06/30/15 18:18	1
Chlorobenzene	ND		5.0	0.53	ug/L			06/30/15 18:18	1
Chloroethane	ND		5.0	0.75	ug/L			06/30/15 18:18	1
Chloroform	ND		5.0	1.0	ug/L			06/30/15 18:18	1
Chloromethane	ND		5.0	1.4	ug/L			06/30/15 18:18	1
cis-1,2-Dichloroethene	ND		5.0	0.67	ug/L			06/30/15 18:18	1
cis-1,3-Dichloropropene	ND		5.0	0.73	ug/L			06/30/15 18:18	1
Dibromochloromethane	ND		5.0	0.65	ug/L			06/30/15 18:18	1
Ethylbenzene	ND		5.0	0.62	ug/L			06/30/15 18:18	1
Methylene Chloride	ND		5.0	1.1	ug/L			06/30/15 18:18	1
Styrene	ND		5.0	0.64	ug/L			06/30/15 18:18	1
Tetrachloroethene	ND		5.0	0.82	ug/L			06/30/15 18:18	1
Toluene	ND		5.0	0.85	ug/L			06/30/15 18:18	1
trans-1,2-Dichloroethene	ND		5.0	0.75	ug/L			06/30/15 18:18	1
trans-1,3-Dichloropropene	ND		5.0	0.58	ug/L			06/30/15 18:18	1
Trichloroethene	ND		5.0	0.80	ug/L			06/30/15 18:18	1
Vinyl acetate	ND	*	5.0	0.86	ug/L			06/30/15 18:18	1
Vinyl chloride	ND		5.0	1.3	ug/L			06/30/15 18:18	1
Xylenes, Total	ND		10	1.7	ug/L			06/30/15 18:18	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Hexanal	*12*	*T J N*	*ug/L*		*8.86*	*66-25-1*		*06/30/15 18:18*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*81*		*62 - 123*		*06/30/15 18:18*	*1*
4-Bromofluorobenzene (Surr)	*90*		*75 - 120*		*06/30/15 18:18*	*1*
Dibromofluoromethane (Surr)	*94*		*80 - 120*		*06/30/15 18:18*	*1*
Toluene-d8 (Surr)	*108*		*80 - 120*		*06/30/15 18:18*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45380-1

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

Client Sample ID: WG-9954-062315-SG-010
Date Collected: 06/23/15 11:25
Date Received: 06/24/15 08:45

Lab Sample ID: 180-45380-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	1.0	ug/L			06/30/15 18:42	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.93	ug/L			06/30/15 18:42	1
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			06/30/15 18:42	1
1,1-Dichloroethane	ND		5.0	1.0	ug/L			06/30/15 18:42	1
1,1-Dichloroethene	ND	*	5.0	1.1	ug/L			06/30/15 18:42	1
1,2-Dichloroethane	ND		5.0	0.96	ug/L			06/30/15 18:42	1
1,2-Dichloropropane	ND		5.0	1.3	ug/L			06/30/15 18:42	1
2-Butanone (MEK)	ND		5.0	1.1	ug/L			06/30/15 18:42	1
2-Hexanone	ND		5.0	0.57	ug/L			06/30/15 18:42	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.59	ug/L			06/30/15 18:42	1
Acetone	ND		20	5.0	ug/L			06/30/15 18:42	1
Benzene	ND		5.0	0.99	ug/L			06/30/15 18:42	1
Bromodichloromethane	ND		5.0	0.93	ug/L			06/30/15 18:42	1
Bromoform	ND		5.0	1.1	ug/L			06/30/15 18:42	1
Bromomethane	ND		5.0	1.6	ug/L			06/30/15 18:42	1
Carbon disulfide	ND		5.0	1.1	ug/L			06/30/15 18:42	1
Carbon tetrachloride	ND		5.0	1.1	ug/L			06/30/15 18:42	1
Chlorobenzene	ND		5.0	0.53	ug/L			06/30/15 18:42	1
Chloroethane	ND		5.0	0.75	ug/L			06/30/15 18:42	1
Chloroform	ND		5.0	1.0	ug/L			06/30/15 18:42	1
Chloromethane	ND		5.0	1.4	ug/L			06/30/15 18:42	1
cis-1,2-Dichloroethene	ND		5.0	0.67	ug/L			06/30/15 18:42	1
cis-1,3-Dichloropropene	ND		5.0	0.73	ug/L			06/30/15 18:42	1
Dibromochloromethane	ND		5.0	0.65	ug/L			06/30/15 18:42	1
Ethylbenzene	ND		5.0	0.62	ug/L			06/30/15 18:42	1
Methylene Chloride	ND		5.0	1.1	ug/L			06/30/15 18:42	1
Styrene	ND		5.0	0.64	ug/L			06/30/15 18:42	1
Tetrachloroethene	ND		5.0	0.82	ug/L			06/30/15 18:42	1
Toluene	ND		5.0	0.85	ug/L			06/30/15 18:42	1
trans-1,2-Dichloroethene	ND		5.0	0.75	ug/L			06/30/15 18:42	1
trans-1,3-Dichloropropene	ND		5.0	0.58	ug/L			06/30/15 18:42	1
Trichloroethene	ND		5.0	0.80	ug/L			06/30/15 18:42	1
Vinyl acetate	ND	*	5.0	0.86	ug/L			06/30/15 18:42	1
Vinyl chloride	ND		5.0	1.3	ug/L			06/30/15 18:42	1
Xylenes, Total	ND		10	1.7	ug/L			06/30/15 18:42	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*06/30/15 18:42*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*76*		*62 - 123*		*06/30/15 18:42*	*1*
4-Bromofluorobenzene (Surr)	*83*		*75 - 120*		*06/30/15 18:42*	*1*
Dibromofluoromethane (Surr)	*91*		*80 - 120*		*06/30/15 18:42*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*06/30/15 18:42*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45380-1

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

Client Sample ID: LCTRIP-062315
Date Collected: 06/23/15 00:00
Date Received: 06/24/15 08:45

Lab Sample ID: 180-45380-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	1.0	ug/L			06/30/15 17:04	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.93	ug/L			06/30/15 17:04	1
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			06/30/15 17:04	1
1,1-Dichloroethane	ND		5.0	1.0	ug/L			06/30/15 17:04	1
1,1-Dichloroethene	ND	*	5.0	1.1	ug/L			06/30/15 17:04	1
1,2-Dichloroethane	ND		5.0	0.96	ug/L			06/30/15 17:04	1
1,2-Dichloropropane	ND		5.0	1.3	ug/L			06/30/15 17:04	1
2-Butanone (MEK)	ND		5.0	1.1	ug/L			06/30/15 17:04	1
2-Hexanone	ND		5.0	0.57	ug/L			06/30/15 17:04	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.59	ug/L			06/30/15 17:04	1
Acetone	ND		20	5.0	ug/L			06/30/15 17:04	1
Benzene	ND		5.0	0.99	ug/L			06/30/15 17:04	1
Bromodichloromethane	ND		5.0	0.93	ug/L			06/30/15 17:04	1
Bromoform	ND		5.0	1.1	ug/L			06/30/15 17:04	1
Bromomethane	ND		5.0	1.6	ug/L			06/30/15 17:04	1
Carbon disulfide	ND		5.0	1.1	ug/L			06/30/15 17:04	1
Carbon tetrachloride	ND		5.0	1.1	ug/L			06/30/15 17:04	1
Chlorobenzene	ND		5.0	0.53	ug/L			06/30/15 17:04	1
Chloroethane	ND		5.0	0.75	ug/L			06/30/15 17:04	1
Chloroform	ND		5.0	1.0	ug/L			06/30/15 17:04	1
Chloromethane	ND		5.0	1.4	ug/L			06/30/15 17:04	1
cis-1,2-Dichloroethene	ND		5.0	0.67	ug/L			06/30/15 17:04	1
cis-1,3-Dichloropropene	ND		5.0	0.73	ug/L			06/30/15 17:04	1
Dibromochloromethane	ND		5.0	0.65	ug/L			06/30/15 17:04	1
Ethylbenzene	ND		5.0	0.62	ug/L			06/30/15 17:04	1
Methylene Chloride	ND		5.0	1.1	ug/L			06/30/15 17:04	1
Styrene	ND		5.0	0.64	ug/L			06/30/15 17:04	1
Tetrachloroethene	ND		5.0	0.82	ug/L			06/30/15 17:04	1
Toluene	ND		5.0	0.85	ug/L			06/30/15 17:04	1
trans-1,2-Dichloroethene	ND		5.0	0.75	ug/L			06/30/15 17:04	1
trans-1,3-Dichloropropene	ND		5.0	0.58	ug/L			06/30/15 17:04	1
Trichloroethene	ND		5.0	0.80	ug/L			06/30/15 17:04	1
Vinyl acetate	ND	*	5.0	0.86	ug/L			06/30/15 17:04	1
Vinyl chloride	ND		5.0	1.3	ug/L			06/30/15 17:04	1
Xylenes, Total	ND		10	1.7	ug/L			06/30/15 17:04	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*06/30/15 17:04*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*77*		*62 - 123*		*06/30/15 17:04*	*1*
4-Bromofluorobenzene (Surr)	*91*		*75 - 120*		*06/30/15 17:04*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*06/30/15 17:04*	*1*
Toluene-d8 (Surr)	*110*		*80 - 120*		*06/30/15 17:04*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45380-1

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

Client Sample ID: WG-9954-062315-SG-011
Date Collected: 06/23/15 11:25
Date Received: 06/24/15 08:45

Lab Sample ID: 180-45380-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	1.0	ug/L			06/30/15 19:07	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.93	ug/L			06/30/15 19:07	1
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			06/30/15 19:07	1
1,1-Dichloroethane	ND		5.0	1.0	ug/L			06/30/15 19:07	1
1,1-Dichloroethene	ND	*	5.0	1.1	ug/L			06/30/15 19:07	1
1,2-Dichloroethane	ND		5.0	0.96	ug/L			06/30/15 19:07	1
1,2-Dichloropropane	ND		5.0	1.3	ug/L			06/30/15 19:07	1
2-Butanone (MEK)	ND		5.0	1.1	ug/L			06/30/15 19:07	1
2-Hexanone	ND		5.0	0.57	ug/L			06/30/15 19:07	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.59	ug/L			06/30/15 19:07	1
Acetone	ND		20	5.0	ug/L			06/30/15 19:07	1
Benzene	ND		5.0	0.99	ug/L			06/30/15 19:07	1
Bromodichloromethane	ND		5.0	0.93	ug/L			06/30/15 19:07	1
Bromoform	ND		5.0	1.1	ug/L			06/30/15 19:07	1
Bromomethane	ND		5.0	1.6	ug/L			06/30/15 19:07	1
Carbon disulfide	ND		5.0	1.1	ug/L			06/30/15 19:07	1
Carbon tetrachloride	ND		5.0	1.1	ug/L			06/30/15 19:07	1
Chlorobenzene	ND		5.0	0.53	ug/L			06/30/15 19:07	1
Chloroethane	ND		5.0	0.75	ug/L			06/30/15 19:07	1
Chloroform	ND		5.0	1.0	ug/L			06/30/15 19:07	1
Chloromethane	ND		5.0	1.4	ug/L			06/30/15 19:07	1
cis-1,2-Dichloroethene	ND		5.0	0.67	ug/L			06/30/15 19:07	1
cis-1,3-Dichloropropene	ND		5.0	0.73	ug/L			06/30/15 19:07	1
Dibromochloromethane	ND		5.0	0.65	ug/L			06/30/15 19:07	1
Ethylbenzene	ND		5.0	0.62	ug/L			06/30/15 19:07	1
Methylene Chloride	ND		5.0	1.1	ug/L			06/30/15 19:07	1
Styrene	ND		5.0	0.64	ug/L			06/30/15 19:07	1
Tetrachloroethene	ND		5.0	0.82	ug/L			06/30/15 19:07	1
Toluene	ND		5.0	0.85	ug/L			06/30/15 19:07	1
trans-1,2-Dichloroethene	ND		5.0	0.75	ug/L			06/30/15 19:07	1
trans-1,3-Dichloropropene	ND		5.0	0.58	ug/L			06/30/15 19:07	1
Trichloroethene	ND		5.0	0.80	ug/L			06/30/15 19:07	1
Vinyl acetate	ND	*	5.0	0.86	ug/L			06/30/15 19:07	1
Vinyl chloride	ND		5.0	1.3	ug/L			06/30/15 19:07	1
Xylenes, Total	ND		10	1.7	ug/L			06/30/15 19:07	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*06/30/15 19:07*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*85*		*62 - 123*		*06/30/15 19:07*	*1*
4-Bromofluorobenzene (Surr)	*91*		*75 - 120*		*06/30/15 19:07*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 120*		*06/30/15 19:07*	*1*
Toluene-d8 (Surr)	*110*		*80 - 120*		*06/30/15 19:07*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45380-1

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

Client Sample ID: WG-9954-062315-SG-014
Date Collected: 06/23/15 14:25
Date Received: 06/24/15 08:45

Lab Sample ID: 180-45380-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		1.9	0.27	ug/L		06/29/15 11:26	07/06/15 14:31	1
Acenaphthylene	ND		1.9	0.20	ug/L		06/29/15 11:26	07/06/15 14:31	1
Anthracene	ND		1.9	0.18	ug/L		06/29/15 11:26	07/06/15 14:31	1
Benzo[a]anthracene	ND		1.9	0.34	ug/L		06/29/15 11:26	07/06/15 14:31	1
Benzo[b]fluoranthene	ND		1.9	0.45	ug/L		06/29/15 11:26	07/06/15 14:31	1
Benzo[k]fluoranthene	ND		1.9	0.28	ug/L		06/29/15 11:26	07/06/15 14:31	1
Benzoic acid	ND		46	15	ug/L		06/29/15 11:26	07/06/15 14:31	1
Benzo[g,h,i]perylene	ND		1.9	0.27	ug/L		06/29/15 11:26	07/06/15 14:31	1
Benzo[a]pyrene	ND		1.9	0.26	ug/L		06/29/15 11:26	07/06/15 14:31	1
Benzyl alcohol	ND		9.3	1.8	ug/L		06/29/15 11:26	07/06/15 14:31	1
Bis(2-chloroethoxy)methane	ND		9.3	1.2	ug/L		06/29/15 11:26	07/06/15 14:31	1
Bis(2-chloroethyl)ether	ND		9.3	0.29	ug/L		06/29/15 11:26	07/06/15 14:31	1
Bis(2-ethylhexyl) phthalate	**9.8**	**J**	19	4.1	ug/L		06/29/15 11:26	07/06/15 14:31	1
4-Bromophenyl phenyl ether	ND		9.3	1.1	ug/L		06/29/15 11:26	07/06/15 14:31	1
Butyl benzyl phthalate	ND		9.3	2.0	ug/L		06/29/15 11:26	07/06/15 14:31	1
4-Chloroaniline	ND		9.3	2.7	ug/L		06/29/15 11:26	07/06/15 14:31	1
4-Chloro-3-methylphenol	ND		9.3	1.6	ug/L		06/29/15 11:26	07/06/15 14:31	1
2-Chloronaphthalene	ND		1.9	0.28	ug/L		06/29/15 11:26	07/06/15 14:31	1
2-Chlorophenol	ND		9.3	2.1	ug/L		06/29/15 11:26	07/06/15 14:31	1
4-Chlorophenyl phenyl ether	ND		9.3	0.74	ug/L		06/29/15 11:26	07/06/15 14:31	1
Chrysene	ND		1.9	0.29	ug/L		06/29/15 11:26	07/06/15 14:31	1
Dibenz(a,h)anthracene	ND		1.9	0.25	ug/L		06/29/15 11:26	07/06/15 14:31	1
Dibenzofuran	ND		9.3	0.89	ug/L		06/29/15 11:26	07/06/15 14:31	1
Di-n-butyl phthalate	ND		9.3	2.2	ug/L		06/29/15 11:26	07/06/15 14:31	1
1,2-Dichlorobenzene	ND		9.3	1.0	ug/L		06/29/15 11:26	07/06/15 14:31	1
1,3-Dichlorobenzene	ND		9.3	0.70	ug/L		06/29/15 11:26	07/06/15 14:31	1
3,3'-Dichlorobenzidine	ND		9.3	1.4	ug/L		06/29/15 11:26	07/06/15 14:31	1
2,4-Dichlorophenol	ND		9.3	0.62	ug/L		06/29/15 11:26	07/06/15 14:31	1
Diethyl phthalate	ND		9.3	2.7	ug/L		06/29/15 11:26	07/06/15 14:31	1
2,4-Dimethylphenol	ND		9.3	1.6	ug/L		06/29/15 11:26	07/06/15 14:31	1
Dimethyl phthalate	ND		9.3	1.7	ug/L		06/29/15 11:26	07/06/15 14:31	1
4,6-Dinitro-2-methylphenol	ND		46	14	ug/L		06/29/15 11:26	07/06/15 14:31	1
2,4-Dinitrophenol	ND		46	23	ug/L		06/29/15 11:26	07/06/15 14:31	1
2,4-Dinitrotoluene	ND		9.3	2.0	ug/L		06/29/15 11:26	07/06/15 14:31	1
2,6-Dinitrotoluene	ND		9.3	1.3	ug/L		06/29/15 11:26	07/06/15 14:31	1
Di-n-octyl phthalate	ND		9.3	1.9	ug/L		06/29/15 11:26	07/06/15 14:31	1
Fluoranthene	ND		1.9	0.20	ug/L		06/29/15 11:26	07/06/15 14:31	1
Fluorene	ND		1.9	0.22	ug/L		06/29/15 11:26	07/06/15 14:31	1
Hexachlorobenzene	ND		9.3	0.56	ug/L		06/29/15 11:26	07/06/15 14:31	1
Hexachlorobutadiene	ND		9.3	0.87	ug/L		06/29/15 11:26	07/06/15 14:31	1
Hexachlorocyclopentadiene	ND		9.3	1.3	ug/L		06/29/15 11:26	07/06/15 14:31	1
Hexachloroethane	ND		9.3	1.3	ug/L		06/29/15 11:26	07/06/15 14:31	1
Indeno[1,2,3-cd]pyrene	ND		1.9	0.40	ug/L		06/29/15 11:26	07/06/15 14:31	1
Isophorone	ND		9.3	0.68	ug/L		06/29/15 11:26	07/06/15 14:31	1
2-Methylnaphthalene	ND		1.9	0.18	ug/L		06/29/15 11:26	07/06/15 14:31	1
2-Methylphenol	ND		9.3	1.7	ug/L		06/29/15 11:26	07/06/15 14:31	1
4-Methylphenol	ND		9.3	1.9	ug/L		06/29/15 11:26	07/06/15 14:31	1
Naphthalene	ND		1.9	0.21	ug/L		06/29/15 11:26	07/06/15 14:31	1
2-Nitroaniline	ND		46	6.2	ug/L		06/29/15 11:26	07/06/15 14:31	1

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

Client Sample ID: WG-9954-062315-SG-014
Date Collected: 06/23/15 14:25
Date Received: 06/24/15 08:45

Lab Sample ID: 180-45380-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		46	7.5	ug/L		06/29/15 11:26	07/06/15 14:31	1
4-Nitroaniline	ND		46	7.2	ug/L		06/29/15 11:26	07/06/15 14:31	1
Nitrobenzene	ND		19	1.4	ug/L		06/29/15 11:26	07/06/15 14:31	1
2-Nitrophenol	ND		9.3	1.0	ug/L		06/29/15 11:26	07/06/15 14:31	1
4-Nitrophenol	ND		46	7.4	ug/L		06/29/15 11:26	07/06/15 14:31	1
N-Nitrosodiphenylamine	ND		9.3	1.1	ug/L		06/29/15 11:26	07/06/15 14:31	1
N-Nitrosodi-n-propylamine	ND		9.3	0.46	ug/L		06/29/15 11:26	07/06/15 14:31	1
Pentachlorophenol	ND		9.3	4.6	ug/L		06/29/15 11:26	07/06/15 14:31	1
Phenanthrene	ND		1.9	0.38	ug/L		06/29/15 11:26	07/06/15 14:31	1
Phenol	ND		9.3	0.51	ug/L		06/29/15 11:26	07/06/15 14:31	1
Pyrene	ND		1.9	0.21	ug/L		06/29/15 11:26	07/06/15 14:31	1
1,2,4-Trichlorobenzene	ND		9.3	0.79	ug/L		06/29/15 11:26	07/06/15 14:31	1
2,4,5-Trichlorophenol	ND		9.3	1.1	ug/L		06/29/15 11:26	07/06/15 14:31	1
2,4,6-Trichlorophenol	ND		9.3	2.8	ug/L		06/29/15 11:26	07/06/15 14:31	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*4.6*	*T J*	*ug/L*		*11.61*		*06/29/15 11:26*	*07/06/15 14:31*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*60*		*28 - 106*	*06/29/15 11:26*	*07/06/15 14:31*	*1*
2-Fluorophenol	*59*		*20 - 108*	*06/29/15 11:26*	*07/06/15 14:31*	*1*
2,4,6-Tribromophenol	*68*		*25 - 118*	*06/29/15 11:26*	*07/06/15 14:31*	*1*
Nitrobenzene-d5	*62*		*27 - 110*	*06/29/15 11:26*	*07/06/15 14:31*	*1*
Phenol-d5	*61*		*23 - 111*	*06/29/15 11:26*	*07/06/15 14:31*	*1*
Terphenyl-d14	*45*		*20 - 109*	*06/29/15 11:26*	*07/06/15 14:31*	*1*

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

Client Sample ID: WG-9954-062315-SG-012
Date Collected: 06/23/15 12:25
Date Received: 06/24/15 08:45

Lab Sample ID: 180-45380-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		1.9	0.27	ug/L		06/29/15 11:26	07/06/15 14:58	1
Acenaphthylene	ND		1.9	0.20	ug/L		06/29/15 11:26	07/06/15 14:58	1
Anthracene	ND		1.9	0.18	ug/L		06/29/15 11:26	07/06/15 14:58	1
Benzo[a]anthracene	ND		1.9	0.34	ug/L		06/29/15 11:26	07/06/15 14:58	1
Benzo[b]fluoranthene	ND		1.9	0.45	ug/L		06/29/15 11:26	07/06/15 14:58	1
Benzo[k]fluoranthene	ND		1.9	0.28	ug/L		06/29/15 11:26	07/06/15 14:58	1
Benzoic acid	ND		46	15	ug/L		06/29/15 11:26	07/06/15 14:58	1
Benzo[g,h,i]perylene	ND		1.9	0.27	ug/L		06/29/15 11:26	07/06/15 14:58	1
Benzo[a]pyrene	ND		1.9	0.26	ug/L		06/29/15 11:26	07/06/15 14:58	1
Benzyl alcohol	ND		9.3	1.8	ug/L		06/29/15 11:26	07/06/15 14:58	1
Bis(2-chloroethoxy)methane	ND		9.3	1.2	ug/L		06/29/15 11:26	07/06/15 14:58	1
Bis(2-chloroethyl)ether	ND		9.3	0.29	ug/L		06/29/15 11:26	07/06/15 14:58	1
Bis(2-ethylhexyl) phthalate	ND		19	4.1	ug/L		06/29/15 11:26	07/06/15 14:58	1
4-Bromophenyl phenyl ether	ND		9.3	1.1	ug/L		06/29/15 11:26	07/06/15 14:58	1
Butyl benzyl phthalate	ND		9.3	2.0	ug/L		06/29/15 11:26	07/06/15 14:58	1
4-Chloroaniline	ND		9.3	2.7	ug/L		06/29/15 11:26	07/06/15 14:58	1
4-Chloro-3-methylphenol	ND		9.3	1.6	ug/L		06/29/15 11:26	07/06/15 14:58	1
2-Chloronaphthalene	ND		1.9	0.28	ug/L		06/29/15 11:26	07/06/15 14:58	1
2-Chlorophenol	ND		9.3	2.1	ug/L		06/29/15 11:26	07/06/15 14:58	1
4-Chlorophenyl phenyl ether	ND		9.3	0.74	ug/L		06/29/15 11:26	07/06/15 14:58	1
Chrysene	ND		1.9	0.29	ug/L		06/29/15 11:26	07/06/15 14:58	1
Dibenz(a,h)anthracene	ND		1.9	0.25	ug/L		06/29/15 11:26	07/06/15 14:58	1
Dibenzofuran	ND		9.3	0.89	ug/L		06/29/15 11:26	07/06/15 14:58	1
Di-n-butyl phthalate	ND		9.3	2.2	ug/L		06/29/15 11:26	07/06/15 14:58	1
1,2-Dichlorobenzene	ND		9.3	1.0	ug/L		06/29/15 11:26	07/06/15 14:58	1
1,3-Dichlorobenzene	ND		9.3	0.70	ug/L		06/29/15 11:26	07/06/15 14:58	1
3,3'-Dichlorobenzidine	ND		9.3	1.4	ug/L		06/29/15 11:26	07/06/15 14:58	1
2,4-Dichlorophenol	ND		9.3	0.62	ug/L		06/29/15 11:26	07/06/15 14:58	1
Diethyl phthalate	ND		9.3	2.7	ug/L		06/29/15 11:26	07/06/15 14:58	1
2,4-Dimethylphenol	ND		9.3	1.6	ug/L		06/29/15 11:26	07/06/15 14:58	1
Dimethyl phthalate	ND		9.3	1.7	ug/L		06/29/15 11:26	07/06/15 14:58	1
4,6-Dinitro-2-methylphenol	ND		46	14	ug/L		06/29/15 11:26	07/06/15 14:58	1
2,4-Dinitrophenol	ND		46	23	ug/L		06/29/15 11:26	07/06/15 14:58	1
2,4-Dinitrotoluene	ND		9.3	2.0	ug/L		06/29/15 11:26	07/06/15 14:58	1
2,6-Dinitrotoluene	ND		9.3	1.3	ug/L		06/29/15 11:26	07/06/15 14:58	1
Di-n-octyl phthalate	ND		9.3	1.9	ug/L		06/29/15 11:26	07/06/15 14:58	1
Fluoranthene	ND		1.9	0.20	ug/L		06/29/15 11:26	07/06/15 14:58	1
Fluorene	ND		1.9	0.22	ug/L		06/29/15 11:26	07/06/15 14:58	1
Hexachlorobenzene	ND		9.3	0.56	ug/L		06/29/15 11:26	07/06/15 14:58	1
Hexachlorobutadiene	ND		9.3	0.87	ug/L		06/29/15 11:26	07/06/15 14:58	1
Hexachlorocyclopentadiene	ND		9.3	1.3	ug/L		06/29/15 11:26	07/06/15 14:58	1
Hexachloroethane	ND		9.3	1.3	ug/L		06/29/15 11:26	07/06/15 14:58	1
Indeno[1,2,3-cd]pyrene	ND		1.9	0.40	ug/L		06/29/15 11:26	07/06/15 14:58	1
Isophorone	ND		9.3	0.68	ug/L		06/29/15 11:26	07/06/15 14:58	1
2-Methylnaphthalene	ND		1.9	0.18	ug/L		06/29/15 11:26	07/06/15 14:58	1
2-Methylphenol	ND		9.3	1.7	ug/L		06/29/15 11:26	07/06/15 14:58	1
4-Methylphenol	ND		9.3	1.9	ug/L		06/29/15 11:26	07/06/15 14:58	1
Naphthalene	ND		1.9	0.21	ug/L		06/29/15 11:26	07/06/15 14:58	1
2-Nitroaniline	ND		46	6.2	ug/L		06/29/15 11:26	07/06/15 14:58	1

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

Client Sample ID: WG-9954-062315-SG-012
Date Collected: 06/23/15 12:25
Date Received: 06/24/15 08:45

Lab Sample ID: 180-45380-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		46	7.5	ug/L		06/29/15 11:26	07/06/15 14:58	1
4-Nitroaniline	ND		46	7.2	ug/L		06/29/15 11:26	07/06/15 14:58	1
Nitrobenzene	ND		19	1.4	ug/L		06/29/15 11:26	07/06/15 14:58	1
2-Nitrophenol	ND		9.3	1.0	ug/L		06/29/15 11:26	07/06/15 14:58	1
4-Nitrophenol	ND		46	7.4	ug/L		06/29/15 11:26	07/06/15 14:58	1
N-Nitrosodiphenylamine	ND		9.3	1.1	ug/L		06/29/15 11:26	07/06/15 14:58	1
N-Nitrosodi-n-propylamine	ND		9.3	0.46	ug/L		06/29/15 11:26	07/06/15 14:58	1
Pentachlorophenol	ND		9.3	4.6	ug/L		06/29/15 11:26	07/06/15 14:58	1
Phenanthrene	ND		1.9	0.38	ug/L		06/29/15 11:26	07/06/15 14:58	1
Phenol	ND		9.3	0.51	ug/L		06/29/15 11:26	07/06/15 14:58	1
Pyrene	ND		1.9	0.21	ug/L		06/29/15 11:26	07/06/15 14:58	1
1,2,4-Trichlorobenzene	ND		9.3	0.79	ug/L		06/29/15 11:26	07/06/15 14:58	1
2,4,5-Trichlorophenol	ND		9.3	1.1	ug/L		06/29/15 11:26	07/06/15 14:58	1
2,4,6-Trichlorophenol	ND		9.3	2.8	ug/L		06/29/15 11:26	07/06/15 14:58	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*5.1*	*T J*	*ug/L*		*10.01*		*06/29/15 11:26*	*07/06/15 14:58*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*60*		*28 - 106*	*06/29/15 11:26*	*07/06/15 14:58*	*1*
2-Fluorophenol	*57*		*20 - 108*	*06/29/15 11:26*	*07/06/15 14:58*	*1*
2,4,6-Tribromophenol	*59*		*25 - 118*	*06/29/15 11:26*	*07/06/15 14:58*	*1*
Nitrobenzene-d5	*60*		*27 - 110*	*06/29/15 11:26*	*07/06/15 14:58*	*1*
Phenol-d5	*60*		*23 - 111*	*06/29/15 11:26*	*07/06/15 14:58*	*1*
Terphenyl-d14	*27*		*20 - 109*	*06/29/15 11:26*	*07/06/15 14:58*	*1*

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

Client Sample ID: WG-9954-062315-SG-013
Date Collected: 06/23/15 13:45
Date Received: 06/24/15 08:45

Lab Sample ID: 180-45380-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		1.9	0.27	ug/L		06/29/15 11:26	07/06/15 15:25	1
Acenaphthylene	ND		1.9	0.20	ug/L		06/29/15 11:26	07/06/15 15:25	1
Anthracene	ND		1.9	0.18	ug/L		06/29/15 11:26	07/06/15 15:25	1
Benzo[a]anthracene	ND		1.9	0.34	ug/L		06/29/15 11:26	07/06/15 15:25	1
Benzo[b]fluoranthene	ND		1.9	0.45	ug/L		06/29/15 11:26	07/06/15 15:25	1
Benzo[k]fluoranthene	ND		1.9	0.28	ug/L		06/29/15 11:26	07/06/15 15:25	1
Benzoic acid	ND		46	15	ug/L		06/29/15 11:26	07/06/15 15:25	1
Benzo[g,h,i]perylene	ND		1.9	0.27	ug/L		06/29/15 11:26	07/06/15 15:25	1
Benzo[a]pyrene	ND		1.9	0.26	ug/L		06/29/15 11:26	07/06/15 15:25	1
Benzyl alcohol	ND		9.3	1.8	ug/L		06/29/15 11:26	07/06/15 15:25	1
Bis(2-chloroethoxy)methane	ND		9.3	1.2	ug/L		06/29/15 11:26	07/06/15 15:25	1
Bis(2-chloroethyl)ether	ND		9.3	0.29	ug/L		06/29/15 11:26	07/06/15 15:25	1
Bis(2-ethylhexyl) phthalate	**4.2**	**J**	19	4.1	ug/L		06/29/15 11:26	07/06/15 15:25	1
4-Bromophenyl phenyl ether	ND		9.3	1.1	ug/L		06/29/15 11:26	07/06/15 15:25	1
Butyl benzyl phthalate	ND		9.3	2.0	ug/L		06/29/15 11:26	07/06/15 15:25	1
4-Chloroaniline	ND		9.3	2.7	ug/L		06/29/15 11:26	07/06/15 15:25	1
4-Chloro-3-methylphenol	ND		9.3	1.6	ug/L		06/29/15 11:26	07/06/15 15:25	1
2-Chloronaphthalene	ND		1.9	0.28	ug/L		06/29/15 11:26	07/06/15 15:25	1
2-Chlorophenol	ND		9.3	2.1	ug/L		06/29/15 11:26	07/06/15 15:25	1
4-Chlorophenyl phenyl ether	ND		9.3	0.74	ug/L		06/29/15 11:26	07/06/15 15:25	1
Chrysene	ND		1.9	0.29	ug/L		06/29/15 11:26	07/06/15 15:25	1
Dibenz(a,h)anthracene	ND		1.9	0.25	ug/L		06/29/15 11:26	07/06/15 15:25	1
Dibenzofuran	ND		9.3	0.89	ug/L		06/29/15 11:26	07/06/15 15:25	1
Di-n-butyl phthalate	ND		9.3	2.2	ug/L		06/29/15 11:26	07/06/15 15:25	1
1,2-Dichlorobenzene	ND		9.3	1.0	ug/L		06/29/15 11:26	07/06/15 15:25	1
1,3-Dichlorobenzene	ND		9.3	0.70	ug/L		06/29/15 11:26	07/06/15 15:25	1
3,3'-Dichlorobenzidine	ND		9.3	1.4	ug/L		06/29/15 11:26	07/06/15 15:25	1
2,4-Dichlorophenol	ND		9.3	0.62	ug/L		06/29/15 11:26	07/06/15 15:25	1
Diethyl phthalate	ND		9.3	2.7	ug/L		06/29/15 11:26	07/06/15 15:25	1
2,4-Dimethylphenol	ND		9.3	1.6	ug/L		06/29/15 11:26	07/06/15 15:25	1
Dimethyl phthalate	ND		9.3	1.7	ug/L		06/29/15 11:26	07/06/15 15:25	1
4,6-Dinitro-2-methylphenol	ND		46	14	ug/L		06/29/15 11:26	07/06/15 15:25	1
2,4-Dinitrophenol	ND		46	23	ug/L		06/29/15 11:26	07/06/15 15:25	1
2,4-Dinitrotoluene	ND		9.3	2.0	ug/L		06/29/15 11:26	07/06/15 15:25	1
2,6-Dinitrotoluene	ND		9.3	1.3	ug/L		06/29/15 11:26	07/06/15 15:25	1
Di-n-octyl phthalate	ND		9.3	1.9	ug/L		06/29/15 11:26	07/06/15 15:25	1
Fluoranthene	ND		1.9	0.20	ug/L		06/29/15 11:26	07/06/15 15:25	1
Fluorene	ND		1.9	0.22	ug/L		06/29/15 11:26	07/06/15 15:25	1
Hexachlorobenzene	ND		9.3	0.56	ug/L		06/29/15 11:26	07/06/15 15:25	1
Hexachlorobutadiene	ND		9.3	0.87	ug/L		06/29/15 11:26	07/06/15 15:25	1
Hexachlorocyclopentadiene	ND		9.3	1.3	ug/L		06/29/15 11:26	07/06/15 15:25	1
Hexachloroethane	ND		9.3	1.3	ug/L		06/29/15 11:26	07/06/15 15:25	1
Indeno[1,2,3-cd]pyrene	ND		1.9	0.40	ug/L		06/29/15 11:26	07/06/15 15:25	1
Isophorone	ND		9.3	0.68	ug/L		06/29/15 11:26	07/06/15 15:25	1
2-Methylnaphthalene	ND		1.9	0.18	ug/L		06/29/15 11:26	07/06/15 15:25	1
2-Methylphenol	ND		9.3	1.7	ug/L		06/29/15 11:26	07/06/15 15:25	1
4-Methylphenol	ND		9.3	1.9	ug/L		06/29/15 11:26	07/06/15 15:25	1
Naphthalene	ND		1.9	0.21	ug/L		06/29/15 11:26	07/06/15 15:25	1
2-Nitroaniline	ND		46	6.2	ug/L		06/29/15 11:26	07/06/15 15:25	1

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

Client Sample ID: WG-9954-062315-SG-013
Date Collected: 06/23/15 13:45
Date Received: 06/24/15 08:45

Lab Sample ID: 180-45380-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		46	7.5	ug/L		06/29/15 11:26	07/06/15 15:25	1
4-Nitroaniline	ND		46	7.2	ug/L		06/29/15 11:26	07/06/15 15:25	1
Nitrobenzene	ND		19	1.4	ug/L		06/29/15 11:26	07/06/15 15:25	1
2-Nitrophenol	ND		9.3	1.0	ug/L		06/29/15 11:26	07/06/15 15:25	1
4-Nitrophenol	ND		46	7.4	ug/L		06/29/15 11:26	07/06/15 15:25	1
N-Nitrosodiphenylamine	ND		9.3	1.1	ug/L		06/29/15 11:26	07/06/15 15:25	1
N-Nitrosodi-n-propylamine	ND		9.3	0.46	ug/L		06/29/15 11:26	07/06/15 15:25	1
Pentachlorophenol	ND		9.3	4.6	ug/L		06/29/15 11:26	07/06/15 15:25	1
Phenanthrene	ND		1.9	0.38	ug/L		06/29/15 11:26	07/06/15 15:25	1
Phenol	ND		9.3	0.51	ug/L		06/29/15 11:26	07/06/15 15:25	1
Pyrene	ND		1.9	0.21	ug/L		06/29/15 11:26	07/06/15 15:25	1
1,2,4-Trichlorobenzene	ND		9.3	0.79	ug/L		06/29/15 11:26	07/06/15 15:25	1
2,4,5-Trichlorophenol	ND		9.3	1.1	ug/L		06/29/15 11:26	07/06/15 15:25	1
2,4,6-Trichlorophenol	ND		9.3	2.8	ug/L		06/29/15 11:26	07/06/15 15:25	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*				*06/29/15 11:26*	*07/06/15 15:25*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*63*		*28 - 106*	*06/29/15 11:26*	*07/06/15 15:25*	*1*
2-Fluorophenol	*60*		*20 - 108*	*06/29/15 11:26*	*07/06/15 15:25*	*1*
2,4,6-Tribromophenol	*67*		*25 - 118*	*06/29/15 11:26*	*07/06/15 15:25*	*1*
Nitrobenzene-d5	*66*		*27 - 110*	*06/29/15 11:26*	*07/06/15 15:25*	*1*
Phenol-d5	*64*		*23 - 111*	*06/29/15 11:26*	*07/06/15 15:25*	*1*
Terphenyl-d14	*22*		*20 - 109*	*06/29/15 11:26*	*07/06/15 15:25*	*1*

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

Client Sample ID: WG-9954-062315-SG-010
Date Collected: 06/23/15 11:25
Date Received: 06/24/15 08:45

Lab Sample ID: 180-45380-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		1.9	0.27	ug/L		06/29/15 11:26	07/06/15 15:51	1
Acenaphthylene	ND		1.9	0.20	ug/L		06/29/15 11:26	07/06/15 15:51	1
Anthracene	ND		1.9	0.18	ug/L		06/29/15 11:26	07/06/15 15:51	1
Benzo[a]anthracene	ND		1.9	0.34	ug/L		06/29/15 11:26	07/06/15 15:51	1
Benzo[b]fluoranthene	ND		1.9	0.45	ug/L		06/29/15 11:26	07/06/15 15:51	1
Benzo[k]fluoranthene	ND		1.9	0.28	ug/L		06/29/15 11:26	07/06/15 15:51	1
Benzoic acid	ND		46	15	ug/L		06/29/15 11:26	07/06/15 15:51	1
Benzo[g,h,i]perylene	ND		1.9	0.27	ug/L		06/29/15 11:26	07/06/15 15:51	1
Benzo[a]pyrene	ND		1.9	0.26	ug/L		06/29/15 11:26	07/06/15 15:51	1
Benzyl alcohol	ND		9.3	1.8	ug/L		06/29/15 11:26	07/06/15 15:51	1
Bis(2-chloroethoxy)methane	ND		9.3	1.2	ug/L		06/29/15 11:26	07/06/15 15:51	1
Bis(2-chloroethyl)ether	ND		9.3	0.29	ug/L		06/29/15 11:26	07/06/15 15:51	1
Bis(2-ethylhexyl) phthalate	**7.5**	**J**	19	4.1	ug/L		06/29/15 11:26	07/06/15 15:51	1
4-Bromophenyl phenyl ether	ND		9.3	1.1	ug/L		06/29/15 11:26	07/06/15 15:51	1
Butyl benzyl phthalate	ND		9.3	2.0	ug/L		06/29/15 11:26	07/06/15 15:51	1
4-Chloroaniline	ND		9.3	2.7	ug/L		06/29/15 11:26	07/06/15 15:51	1
4-Chloro-3-methylphenol	ND		9.3	1.6	ug/L		06/29/15 11:26	07/06/15 15:51	1
2-Chloronaphthalene	ND		1.9	0.28	ug/L		06/29/15 11:26	07/06/15 15:51	1
2-Chlorophenol	ND		9.3	2.1	ug/L		06/29/15 11:26	07/06/15 15:51	1
4-Chlorophenyl phenyl ether	ND		9.3	0.74	ug/L		06/29/15 11:26	07/06/15 15:51	1
Chrysene	ND		1.9	0.29	ug/L		06/29/15 11:26	07/06/15 15:51	1
Dibenz(a,h)anthracene	ND		1.9	0.25	ug/L		06/29/15 11:26	07/06/15 15:51	1
Dibenzofuran	ND		9.3	0.89	ug/L		06/29/15 11:26	07/06/15 15:51	1
Di-n-butyl phthalate	ND		9.3	2.2	ug/L		06/29/15 11:26	07/06/15 15:51	1
1,2-Dichlorobenzene	ND		9.3	1.0	ug/L		06/29/15 11:26	07/06/15 15:51	1
1,3-Dichlorobenzene	ND		9.3	0.70	ug/L		06/29/15 11:26	07/06/15 15:51	1
3,3'-Dichlorobenzidine	ND		9.3	1.4	ug/L		06/29/15 11:26	07/06/15 15:51	1
2,4-Dichlorophenol	ND		9.3	0.62	ug/L		06/29/15 11:26	07/06/15 15:51	1
Diethyl phthalate	ND		9.3	2.7	ug/L		06/29/15 11:26	07/06/15 15:51	1
2,4-Dimethylphenol	ND		9.3	1.6	ug/L		06/29/15 11:26	07/06/15 15:51	1
Dimethyl phthalate	ND		9.3	1.7	ug/L		06/29/15 11:26	07/06/15 15:51	1
4,6-Dinitro-2-methylphenol	ND		46	14	ug/L		06/29/15 11:26	07/06/15 15:51	1
2,4-Dinitrophenol	ND		46	23	ug/L		06/29/15 11:26	07/06/15 15:51	1
2,4-Dinitrotoluene	ND		9.3	2.0	ug/L		06/29/15 11:26	07/06/15 15:51	1
2,6-Dinitrotoluene	ND		9.3	1.3	ug/L		06/29/15 11:26	07/06/15 15:51	1
Di-n-octyl phthalate	ND		9.3	1.9	ug/L		06/29/15 11:26	07/06/15 15:51	1
Fluoranthene	ND		1.9	0.20	ug/L		06/29/15 11:26	07/06/15 15:51	1
Fluorene	ND		1.9	0.22	ug/L		06/29/15 11:26	07/06/15 15:51	1
Hexachlorobenzene	ND		9.3	0.56	ug/L		06/29/15 11:26	07/06/15 15:51	1
Hexachlorobutadiene	ND		9.3	0.87	ug/L		06/29/15 11:26	07/06/15 15:51	1
Hexachlorocyclopentadiene	ND		9.3	1.3	ug/L		06/29/15 11:26	07/06/15 15:51	1
Hexachloroethane	ND		9.3	1.3	ug/L		06/29/15 11:26	07/06/15 15:51	1
Indeno[1,2,3-cd]pyrene	ND		1.9	0.40	ug/L		06/29/15 11:26	07/06/15 15:51	1
Isophorone	ND		9.3	0.68	ug/L		06/29/15 11:26	07/06/15 15:51	1
2-Methylnaphthalene	ND		1.9	0.18	ug/L		06/29/15 11:26	07/06/15 15:51	1
2-Methylphenol	ND		9.3	1.7	ug/L		06/29/15 11:26	07/06/15 15:51	1
4-Methylphenol	ND		9.3	1.9	ug/L		06/29/15 11:26	07/06/15 15:51	1
Naphthalene	ND		1.9	0.21	ug/L		06/29/15 11:26	07/06/15 15:51	1
2-Nitroaniline	ND		46	6.2	ug/L		06/29/15 11:26	07/06/15 15:51	1

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

Client Sample ID: WG-9954-062315-SG-010
Date Collected: 06/23/15 11:25
Date Received: 06/24/15 08:45

Lab Sample ID: 180-45380-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		46	7.5	ug/L		06/29/15 11:26	07/06/15 15:51	1
4-Nitroaniline	ND		46	7.2	ug/L		06/29/15 11:26	07/06/15 15:51	1
Nitrobenzene	ND		19	1.4	ug/L		06/29/15 11:26	07/06/15 15:51	1
2-Nitrophenol	ND		9.3	1.0	ug/L		06/29/15 11:26	07/06/15 15:51	1
4-Nitrophenol	ND		46	7.4	ug/L		06/29/15 11:26	07/06/15 15:51	1
N-Nitrosodiphenylamine	ND		9.3	1.1	ug/L		06/29/15 11:26	07/06/15 15:51	1
N-Nitrosodi-n-propylamine	ND		9.3	0.46	ug/L		06/29/15 11:26	07/06/15 15:51	1
Pentachlorophenol	ND		9.3	4.6	ug/L		06/29/15 11:26	07/06/15 15:51	1
Phenanthrene	ND		1.9	0.38	ug/L		06/29/15 11:26	07/06/15 15:51	1
Phenol	ND		9.3	0.51	ug/L		06/29/15 11:26	07/06/15 15:51	1
Pyrene	ND		1.9	0.21	ug/L		06/29/15 11:26	07/06/15 15:51	1
1,2,4-Trichlorobenzene	ND		9.3	0.79	ug/L		06/29/15 11:26	07/06/15 15:51	1
2,4,5-Trichlorophenol	ND		9.3	1.1	ug/L		06/29/15 11:26	07/06/15 15:51	1
2,4,6-Trichlorophenol	ND		9.3	2.8	ug/L		06/29/15 11:26	07/06/15 15:51	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*				*06/29/15 11:26*	*07/06/15 15:51*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*58*		*28 - 106*	*06/29/15 11:26*	*07/06/15 15:51*	*1*
2-Fluorophenol	*54*		*20 - 108*	*06/29/15 11:26*	*07/06/15 15:51*	*1*
2,4,6-Tribromophenol	*61*		*25 - 118*	*06/29/15 11:26*	*07/06/15 15:51*	*1*
Nitrobenzene-d5	*57*		*27 - 110*	*06/29/15 11:26*	*07/06/15 15:51*	*1*
Phenol-d5	*56*		*23 - 111*	*06/29/15 11:26*	*07/06/15 15:51*	*1*
Terphenyl-d14	*28*		*20 - 109*	*06/29/15 11:26*	*07/06/15 15:51*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45380-1

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

Client Sample ID: WG-9954-062315-SG-011
Date Collected: 06/23/15 11:25
Date Received: 06/24/15 08:45

Lab Sample ID: 180-45380-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		1.9	0.27	ug/L		06/29/15 11:26	07/08/15 07:45	1
Acenaphthylene	ND		1.9	0.20	ug/L		06/29/15 11:26	07/08/15 07:45	1
Anthracene	ND		1.9	0.18	ug/L		06/29/15 11:26	07/08/15 07:45	1
Benzo[a]anthracene	ND		1.9	0.34	ug/L		06/29/15 11:26	07/08/15 07:45	1
Benzo[b]fluoranthene	ND		1.9	0.45	ug/L		06/29/15 11:26	07/08/15 07:45	1
Benzo[k]fluoranthene	ND		1.9	0.28	ug/L		06/29/15 11:26	07/08/15 07:45	1
Benzoic acid	ND		46	15	ug/L		06/29/15 11:26	07/08/15 07:45	1
Benzo[g,h,i]perylene	ND		1.9	0.27	ug/L		06/29/15 11:26	07/08/15 07:45	1
Benzo[a]pyrene	ND		1.9	0.26	ug/L		06/29/15 11:26	07/08/15 07:45	1
Benzyl alcohol	ND		9.3	1.8	ug/L		06/29/15 11:26	07/08/15 07:45	1
Bis(2-chloroethoxy)methane	ND		9.3	1.2	ug/L		06/29/15 11:26	07/08/15 07:45	1
Bis(2-chloroethyl)ether	ND		9.3	0.29	ug/L		06/29/15 11:26	07/08/15 07:45	1
Bis(2-ethylhexyl) phthalate	ND		19	4.1	ug/L		06/29/15 11:26	07/08/15 07:45	1
4-Bromophenyl phenyl ether	ND		9.3	1.1	ug/L		06/29/15 11:26	07/08/15 07:45	1
Butyl benzyl phthalate	ND		9.3	2.0	ug/L		06/29/15 11:26	07/08/15 07:45	1
4-Chloroaniline	ND		9.3	2.7	ug/L		06/29/15 11:26	07/08/15 07:45	1
4-Chloro-3-methylphenol	ND		9.3	1.6	ug/L		06/29/15 11:26	07/08/15 07:45	1
2-Chloronaphthalene	ND		1.9	0.28	ug/L		06/29/15 11:26	07/08/15 07:45	1
2-Chlorophenol	ND		9.3	2.1	ug/L		06/29/15 11:26	07/08/15 07:45	1
4-Chlorophenyl phenyl ether	ND		9.3	0.74	ug/L		06/29/15 11:26	07/08/15 07:45	1
Chrysene	ND		1.9	0.29	ug/L		06/29/15 11:26	07/08/15 07:45	1
Dibenz(a,h)anthracene	ND		1.9	0.25	ug/L		06/29/15 11:26	07/08/15 07:45	1
Dibenzofuran	ND		9.3	0.89	ug/L		06/29/15 11:26	07/08/15 07:45	1
Di-n-butyl phthalate	ND		9.3	2.2	ug/L		06/29/15 11:26	07/08/15 07:45	1
1,2-Dichlorobenzene	ND		9.3	1.0	ug/L		06/29/15 11:26	07/08/15 07:45	1
1,3-Dichlorobenzene	ND		9.3	0.70	ug/L		06/29/15 11:26	07/08/15 07:45	1
3,3'-Dichlorobenzidine	ND		9.3	1.4	ug/L		06/29/15 11:26	07/08/15 07:45	1
2,4-Dichlorophenol	ND		9.3	0.62	ug/L		06/29/15 11:26	07/08/15 07:45	1
Diethyl phthalate	ND		9.3	2.7	ug/L		06/29/15 11:26	07/08/15 07:45	1
2,4-Dimethylphenol	ND		9.3	1.6	ug/L		06/29/15 11:26	07/08/15 07:45	1
Dimethyl phthalate	ND		9.3	1.7	ug/L		06/29/15 11:26	07/08/15 07:45	1
4,6-Dinitro-2-methylphenol	ND		46	14	ug/L		06/29/15 11:26	07/08/15 07:45	1
2,4-Dinitrophenol	ND		46	23	ug/L		06/29/15 11:26	07/08/15 07:45	1
2,4-Dinitrotoluene	ND		9.3	2.0	ug/L		06/29/15 11:26	07/08/15 07:45	1
2,6-Dinitrotoluene	ND		9.3	1.3	ug/L		06/29/15 11:26	07/08/15 07:45	1
Di-n-octyl phthalate	ND		9.3	1.9	ug/L		06/29/15 11:26	07/08/15 07:45	1
Fluoranthene	ND		1.9	0.20	ug/L		06/29/15 11:26	07/08/15 07:45	1
Fluorene	ND		1.9	0.22	ug/L		06/29/15 11:26	07/08/15 07:45	1
Hexachlorobenzene	ND		9.3	0.56	ug/L		06/29/15 11:26	07/08/15 07:45	1
Hexachlorobutadiene	ND		9.3	0.87	ug/L		06/29/15 11:26	07/08/15 07:45	1
Hexachlorocyclopentadiene	ND		9.3	1.3	ug/L		06/29/15 11:26	07/08/15 07:45	1
Hexachloroethane	ND		9.3	1.3	ug/L		06/29/15 11:26	07/08/15 07:45	1
Indeno[1,2,3-cd]pyrene	ND		1.9	0.40	ug/L		06/29/15 11:26	07/08/15 07:45	1
Isophorone	ND		9.3	0.68	ug/L		06/29/15 11:26	07/08/15 07:45	1
2-Methylnaphthalene	ND		1.9	0.18	ug/L		06/29/15 11:26	07/08/15 07:45	1
2-Methylphenol	ND		9.3	1.7	ug/L		06/29/15 11:26	07/08/15 07:45	1
4-Methylphenol	ND		9.3	1.9	ug/L		06/29/15 11:26	07/08/15 07:45	1
Naphthalene	ND		1.9	0.21	ug/L		06/29/15 11:26	07/08/15 07:45	1
2-Nitroaniline	ND		46	6.2	ug/L		06/29/15 11:26	07/08/15 07:45	1

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

Client Sample ID: WG-9954-062315-SG-011
Date Collected: 06/23/15 11:25
Date Received: 06/24/15 08:45

Lab Sample ID: 180-45380-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		46	7.5	ug/L		06/29/15 11:26	07/08/15 07:45	1
4-Nitroaniline	ND		46	7.2	ug/L		06/29/15 11:26	07/08/15 07:45	1
Nitrobenzene	ND		19	1.4	ug/L		06/29/15 11:26	07/08/15 07:45	1
2-Nitrophenol	ND		9.3	1.0	ug/L		06/29/15 11:26	07/08/15 07:45	1
4-Nitrophenol	ND		46	7.4	ug/L		06/29/15 11:26	07/08/15 07:45	1
N-Nitrosodiphenylamine	ND		9.3	1.1	ug/L		06/29/15 11:26	07/08/15 07:45	1
N-Nitrosodi-n-propylamine	ND		9.3	0.46	ug/L		06/29/15 11:26	07/08/15 07:45	1
Pentachlorophenol	ND		9.3	4.6	ug/L		06/29/15 11:26	07/08/15 07:45	1
Phenanthrene	ND		1.9	0.38	ug/L		06/29/15 11:26	07/08/15 07:45	1
Phenol	ND		9.3	0.51	ug/L		06/29/15 11:26	07/08/15 07:45	1
Pyrene	ND		1.9	0.21	ug/L		06/29/15 11:26	07/08/15 07:45	1
1,2,4-Trichlorobenzene	ND		9.3	0.79	ug/L		06/29/15 11:26	07/08/15 07:45	1
2,4,5-Trichlorophenol	ND		9.3	1.1	ug/L		06/29/15 11:26	07/08/15 07:45	1
2,4,6-Trichlorophenol	ND		9.3	2.8	ug/L		06/29/15 11:26	07/08/15 07:45	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*				*06/29/15 11:26*	*07/08/15 07:45*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*67*		*28 - 106*	*06/29/15 11:26*	*07/08/15 07:45*	*1*
2-Fluorophenol	*71*		*20 - 108*	*06/29/15 11:26*	*07/08/15 07:45*	*1*
2,4,6-Tribromophenol	*75*		*25 - 118*	*06/29/15 11:26*	*07/08/15 07:45*	*1*
Nitrobenzene-d5	*70*		*27 - 110*	*06/29/15 11:26*	*07/08/15 07:45*	*1*
Phenol-d5	*72*		*23 - 111*	*06/29/15 11:26*	*07/08/15 07:45*	*1*
Terphenyl-d14	*60*		*20 - 109*	*06/29/15 11:26*	*07/08/15 07:45*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45380-1

Method: 8081B - Organochlorine Pesticides (GC)

Client Sample ID: WG-9954-062315-SG-014
Date Collected: 06/23/15 14:25
Date Received: 06/24/15 08:45

Lab Sample ID: 180-45380-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.050	0.033	ug/L		06/29/15 08:50	07/07/15 19:51	1
alpha-BHC	ND		0.050	0.027	ug/L		06/29/15 08:50	07/07/15 19:51	1
beta-BHC	ND		0.050	0.040	ug/L		06/29/15 08:50	07/07/15 19:51	1
delta-BHC	ND		0.050	0.017	ug/L		06/29/15 08:50	07/07/15 19:51	1
gamma-BHC (Lindane)	ND		0.050	0.032	ug/L		06/29/15 08:50	07/07/15 19:51	1
alpha-Chlordane	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 19:51	1
gamma-Chlordane	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 19:51	1
4,4'-DDD	ND		0.050	0.027	ug/L		06/29/15 08:50	07/07/15 19:51	1
4,4'-DDE	ND		0.050	0.032	ug/L		06/29/15 08:50	07/07/15 19:51	1
4,4'-DDT	ND		0.050	0.030	ug/L		06/29/15 08:50	07/07/15 19:51	1
Dieldrin	ND		0.050	0.033	ug/L		06/29/15 08:50	07/07/15 19:51	1
Endosulfan I	ND		0.050	0.038	ug/L		06/29/15 08:50	07/07/15 19:51	1
Endosulfan II	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 19:51	1
Endosulfan sulfate	ND		0.050	0.023	ug/L		06/29/15 08:50	07/07/15 19:51	1
Endrin	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 19:51	1
Endrin ketone	ND		0.050	0.037	ug/L		06/29/15 08:50	07/07/15 19:51	1
Heptachlor	ND		0.050	0.040	ug/L		06/29/15 08:50	07/07/15 19:51	1
Heptachlor epoxide	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 19:51	1
Methoxychlor	ND		0.10	0.037	ug/L		06/29/15 08:50	07/07/15 19:51	1
Toxaphene	ND		4.0	0.74	ug/L		06/29/15 08:50	07/07/15 19:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*79*		*45 - 130*	*06/29/15 08:50*	*07/07/15 19:51*	*1*
Tetrachloro-m-xylene	*74*		*45 - 130*	*06/29/15 08:50*	*07/07/15 19:51*	*1*
DCB Decachlorobiphenyl (Surr)	*85*		*45 - 130*	*06/29/15 08:50*	*07/07/15 19:51*	*1*
DCB Decachlorobiphenyl (Surr)	*80*		*45 - 130*	*06/29/15 08:50*	*07/07/15 19:51*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45380-1

Method: 8081B - Organochlorine Pesticides (GC)

Client Sample ID: WG-9954-062315-SG-012
Date Collected: 06/23/15 12:25
Date Received: 06/24/15 08:45

Lab Sample ID: 180-45380-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.050	0.033	ug/L		06/29/15 08:50	07/07/15 20:07	1
alpha-BHC	ND		0.050	0.027	ug/L		06/29/15 08:50	07/07/15 20:07	1
beta-BHC	ND		0.050	0.040	ug/L		06/29/15 08:50	07/07/15 20:07	1
delta-BHC	ND		0.050	0.017	ug/L		06/29/15 08:50	07/07/15 20:07	1
gamma-BHC (Lindane)	ND		0.050	0.032	ug/L		06/29/15 08:50	07/07/15 20:07	1
alpha-Chlordane	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 20:07	1
gamma-Chlordane	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 20:07	1
4,4'-DDD	ND		0.050	0.027	ug/L		06/29/15 08:50	07/07/15 20:07	1
4,4'-DDE	ND		0.050	0.032	ug/L		06/29/15 08:50	07/07/15 20:07	1
4,4'-DDT	ND		0.050	0.030	ug/L		06/29/15 08:50	07/07/15 20:07	1
Dieldrin	ND		0.050	0.033	ug/L		06/29/15 08:50	07/07/15 20:07	1
Endosulfan I	ND		0.050	0.038	ug/L		06/29/15 08:50	07/07/15 20:07	1
Endosulfan II	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 20:07	1
Endosulfan sulfate	ND		0.050	0.023	ug/L		06/29/15 08:50	07/07/15 20:07	1
Endrin	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 20:07	1
Endrin ketone	ND		0.050	0.037	ug/L		06/29/15 08:50	07/07/15 20:07	1
Heptachlor	ND		0.050	0.040	ug/L		06/29/15 08:50	07/07/15 20:07	1
Heptachlor epoxide	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 20:07	1
Methoxychlor	ND		0.10	0.037	ug/L		06/29/15 08:50	07/07/15 20:07	1
Toxaphene	ND		4.0	0.74	ug/L		06/29/15 08:50	07/07/15 20:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*82*		*45 - 130*	*06/29/15 08:50*	*07/07/15 20:07*	*1*
Tetrachloro-m-xylene	*76*		*45 - 130*	*06/29/15 08:50*	*07/07/15 20:07*	*1*
DCB Decachlorobiphenyl (Surr)	*92*		*45 - 130*	*06/29/15 08:50*	*07/07/15 20:07*	*1*
DCB Decachlorobiphenyl (Surr)	*84*		*45 - 130*	*06/29/15 08:50*	*07/07/15 20:07*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45380-1

Method: 8081B - Organochlorine Pesticides (GC)

Client Sample ID: WG-9954-062315-SG-013
Date Collected: 06/23/15 13:45
Date Received: 06/24/15 08:45

Lab Sample ID: 180-45380-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.050	0.033	ug/L		06/29/15 08:50	07/07/15 20:22	1
alpha-BHC	ND		0.050	0.027	ug/L		06/29/15 08:50	07/07/15 20:22	1
beta-BHC	ND		0.050	0.040	ug/L		06/29/15 08:50	07/07/15 20:22	1
delta-BHC	ND		0.050	0.017	ug/L		06/29/15 08:50	07/07/15 20:22	1
gamma-BHC (Lindane)	ND		0.050	0.032	ug/L		06/29/15 08:50	07/07/15 20:22	1
alpha-Chlordane	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 20:22	1
gamma-Chlordane	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 20:22	1
4,4'-DDD	ND		0.050	0.027	ug/L		06/29/15 08:50	07/07/15 20:22	1
4,4'-DDE	ND		0.050	0.032	ug/L		06/29/15 08:50	07/07/15 20:22	1
4,4'-DDT	ND		0.050	0.030	ug/L		06/29/15 08:50	07/07/15 20:22	1
Dieldrin	ND		0.050	0.033	ug/L		06/29/15 08:50	07/07/15 20:22	1
Endosulfan I	ND		0.050	0.038	ug/L		06/29/15 08:50	07/07/15 20:22	1
Endosulfan II	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 20:22	1
Endosulfan sulfate	ND		0.050	0.023	ug/L		06/29/15 08:50	07/07/15 20:22	1
Endrin	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 20:22	1
Endrin ketone	ND		0.050	0.037	ug/L		06/29/15 08:50	07/07/15 20:22	1
Heptachlor	ND		0.050	0.040	ug/L		06/29/15 08:50	07/07/15 20:22	1
Heptachlor epoxide	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 20:22	1
Methoxychlor	ND		0.10	0.037	ug/L		06/29/15 08:50	07/07/15 20:22	1
Toxaphene	ND		4.0	0.74	ug/L		06/29/15 08:50	07/07/15 20:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*75*		*45 - 130*	*06/29/15 08:50*	*07/07/15 20:22*	*1*
Tetrachloro-m-xylene	*69*		*45 - 130*	*06/29/15 08:50*	*07/07/15 20:22*	*1*
DCB Decachlorobiphenyl (Surr)	*82*		*45 - 130*	*06/29/15 08:50*	*07/07/15 20:22*	*1*
DCB Decachlorobiphenyl (Surr)	*79*		*45 - 130*	*06/29/15 08:50*	*07/07/15 20:22*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45380-1

Method: 8081B - Organochlorine Pesticides (GC)

Client Sample ID: WG-9954-062315-SG-010
Date Collected: 06/23/15 11:25
Date Received: 06/24/15 08:45

Lab Sample ID: 180-45380-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.050	0.033	ug/L		06/29/15 08:50	07/07/15 20:38	1
alpha-BHC	ND		0.050	0.027	ug/L		06/29/15 08:50	07/07/15 20:38	1
beta-BHC	ND		0.050	0.040	ug/L		06/29/15 08:50	07/07/15 20:38	1
delta-BHC	ND		0.050	0.017	ug/L		06/29/15 08:50	07/07/15 20:38	1
gamma-BHC (Lindane)	ND		0.050	0.032	ug/L		06/29/15 08:50	07/07/15 20:38	1
alpha-Chlordane	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 20:38	1
gamma-Chlordane	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 20:38	1
4,4'-DDD	ND		0.050	0.027	ug/L		06/29/15 08:50	07/07/15 20:38	1
4,4'-DDE	ND		0.050	0.032	ug/L		06/29/15 08:50	07/07/15 20:38	1
4,4'-DDT	ND		0.050	0.030	ug/L		06/29/15 08:50	07/07/15 20:38	1
Dieldrin	ND		0.050	0.033	ug/L		06/29/15 08:50	07/07/15 20:38	1
Endosulfan I	ND		0.050	0.038	ug/L		06/29/15 08:50	07/07/15 20:38	1
Endosulfan II	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 20:38	1
Endosulfan sulfate	ND		0.050	0.023	ug/L		06/29/15 08:50	07/07/15 20:38	1
Endrin	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 20:38	1
Endrin ketone	ND		0.050	0.037	ug/L		06/29/15 08:50	07/07/15 20:38	1
Heptachlor	ND		0.050	0.040	ug/L		06/29/15 08:50	07/07/15 20:38	1
Heptachlor epoxide	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 20:38	1
Methoxychlor	ND		0.10	0.037	ug/L		06/29/15 08:50	07/07/15 20:38	1
Toxaphene	ND		4.0	0.74	ug/L		06/29/15 08:50	07/07/15 20:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*83*		*45 - 130*	*06/29/15 08:50*	*07/07/15 20:38*	*1*
Tetrachloro-m-xylene	*77*		*45 - 130*	*06/29/15 08:50*	*07/07/15 20:38*	*1*
DCB Decachlorobiphenyl (Surr)	*90*		*45 - 130*	*06/29/15 08:50*	*07/07/15 20:38*	*1*
DCB Decachlorobiphenyl (Surr)	*83*		*45 - 130*	*06/29/15 08:50*	*07/07/15 20:38*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45380-1

Method: 8081B - Organochlorine Pesticides (GC)

Client Sample ID: WG-9954-062315-SG-011
Date Collected: 06/23/15 11:25
Date Received: 06/24/15 08:45

Lab Sample ID: 180-45380-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.050	0.033	ug/L		06/29/15 08:50	07/07/15 20:53	1
alpha-BHC	ND		0.050	0.027	ug/L		06/29/15 08:50	07/07/15 20:53	1
beta-BHC	ND		0.050	0.040	ug/L		06/29/15 08:50	07/07/15 20:53	1
delta-BHC	ND		0.050	0.017	ug/L		06/29/15 08:50	07/07/15 20:53	1
gamma-BHC (Lindane)	ND		0.050	0.032	ug/L		06/29/15 08:50	07/07/15 20:53	1
alpha-Chlordane	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 20:53	1
gamma-Chlordane	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 20:53	1
4,4'-DDD	ND		0.050	0.027	ug/L		06/29/15 08:50	07/07/15 20:53	1
4,4'-DDE	ND		0.050	0.032	ug/L		06/29/15 08:50	07/07/15 20:53	1
4,4'-DDT	ND		0.050	0.030	ug/L		06/29/15 08:50	07/07/15 20:53	1
Dieldrin	ND		0.050	0.033	ug/L		06/29/15 08:50	07/07/15 20:53	1
Endosulfan I	ND		0.050	0.038	ug/L		06/29/15 08:50	07/07/15 20:53	1
Endosulfan II	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 20:53	1
Endosulfan sulfate	ND		0.050	0.023	ug/L		06/29/15 08:50	07/07/15 20:53	1
Endrin	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 20:53	1
Endrin ketone	ND		0.050	0.037	ug/L		06/29/15 08:50	07/07/15 20:53	1
Heptachlor	ND		0.050	0.040	ug/L		06/29/15 08:50	07/07/15 20:53	1
Heptachlor epoxide	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 20:53	1
Methoxychlor	ND		0.10	0.037	ug/L		06/29/15 08:50	07/07/15 20:53	1
Toxaphene	ND		4.0	0.74	ug/L		06/29/15 08:50	07/07/15 20:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*85*		*45 - 130*	*06/29/15 08:50*	*07/07/15 20:53*	*1*
Tetrachloro-m-xylene	*77*		*45 - 130*	*06/29/15 08:50*	*07/07/15 20:53*	*1*
DCB Decachlorobiphenyl (Surr)	*87*		*45 - 130*	*06/29/15 08:50*	*07/07/15 20:53*	*1*
DCB Decachlorobiphenyl (Surr)	*80*		*45 - 130*	*06/29/15 08:50*	*07/07/15 20:53*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45380-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: WG-9954-062315-SG-014
Date Collected: 06/23/15 14:25
Date Received: 06/24/15 08:45

Lab Sample ID: 180-45380-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.40	0.10	ug/L		06/29/15 08:50	06/30/15 15:04	1
PCB-1221	ND		0.40	0.16	ug/L		06/29/15 08:50	06/30/15 15:04	1
PCB-1232	ND		0.40	0.16	ug/L		06/29/15 08:50	06/30/15 15:04	1
PCB-1242	ND		0.40	0.074	ug/L		06/29/15 08:50	06/30/15 15:04	1
PCB-1248	ND		0.40	0.11	ug/L		06/29/15 08:50	06/30/15 15:04	1
PCB-1254	ND		0.40	0.12	ug/L		06/29/15 08:50	06/30/15 15:04	1
PCB-1260	ND		0.40	0.068	ug/L		06/29/15 08:50	06/30/15 15:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*84*		*35 - 140*	*06/29/15 08:50*	*06/30/15 15:04*	*1*
Tetrachloro-m-xylene (Surr)	*80*		*35 - 140*	*06/29/15 08:50*	*06/30/15 15:04*	*1*
DCB Decachlorobiphenyl (Surr)	*95*		*35 - 140*	*06/29/15 08:50*	*06/30/15 15:04*	*1*
DCB Decachlorobiphenyl (Surr)	*92*		*35 - 140*	*06/29/15 08:50*	*06/30/15 15:04*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45380-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: WG-9954-062315-SG-012
Date Collected: 06/23/15 12:25
Date Received: 06/24/15 08:45

Lab Sample ID: 180-45380-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.40	0.10	ug/L		06/29/15 08:50	06/30/15 15:23	1
PCB-1221	ND		0.40	0.16	ug/L		06/29/15 08:50	06/30/15 15:23	1
PCB-1232	ND		0.40	0.16	ug/L		06/29/15 08:50	06/30/15 15:23	1
PCB-1242	ND		0.40	0.074	ug/L		06/29/15 08:50	06/30/15 15:23	1
PCB-1248	ND		0.40	0.11	ug/L		06/29/15 08:50	06/30/15 15:23	1
PCB-1254	ND		0.40	0.12	ug/L		06/29/15 08:50	06/30/15 15:23	1
PCB-1260	ND		0.40	0.068	ug/L		06/29/15 08:50	06/30/15 15:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*89*		*35 - 140*	*06/29/15 08:50*	*06/30/15 15:23*	*1*
Tetrachloro-m-xylene (Surr)	*85*		*35 - 140*	*06/29/15 08:50*	*06/30/15 15:23*	*1*
DCB Decachlorobiphenyl (Surr)	*97*		*35 - 140*	*06/29/15 08:50*	*06/30/15 15:23*	*1*
DCB Decachlorobiphenyl (Surr)	*95*		*35 - 140*	*06/29/15 08:50*	*06/30/15 15:23*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45380-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: WG-9954-062315-SG-013
Date Collected: 06/23/15 13:45
Date Received: 06/24/15 08:45

Lab Sample ID: 180-45380-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.40	0.10	ug/L		06/29/15 08:50	06/30/15 15:41	1
PCB-1221	ND		0.40	0.16	ug/L		06/29/15 08:50	06/30/15 15:41	1
PCB-1232	ND		0.40	0.16	ug/L		06/29/15 08:50	06/30/15 15:41	1
PCB-1242	ND		0.40	0.074	ug/L		06/29/15 08:50	06/30/15 15:41	1
PCB-1248	ND		0.40	0.11	ug/L		06/29/15 08:50	06/30/15 15:41	1
PCB-1254	ND		0.40	0.12	ug/L		06/29/15 08:50	06/30/15 15:41	1
PCB-1260	ND		0.40	0.068	ug/L		06/29/15 08:50	06/30/15 15:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*78*		*35 - 140*	*06/29/15 08:50*	*06/30/15 15:41*	*1*
Tetrachloro-m-xylene (Surr)	*76*		*35 - 140*	*06/29/15 08:50*	*06/30/15 15:41*	*1*
DCB Decachlorobiphenyl (Surr)	*90*		*35 - 140*	*06/29/15 08:50*	*06/30/15 15:41*	*1*
DCB Decachlorobiphenyl (Surr)	*89*		*35 - 140*	*06/29/15 08:50*	*06/30/15 15:41*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45380-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: WG-9954-062315-SG-010
Date Collected: 06/23/15 11:25
Date Received: 06/24/15 08:45

Lab Sample ID: 180-45380-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.40	0.10	ug/L		06/29/15 08:50	06/30/15 16:00	1
PCB-1221	ND		0.40	0.16	ug/L		06/29/15 08:50	06/30/15 16:00	1
PCB-1232	ND		0.40	0.16	ug/L		06/29/15 08:50	06/30/15 16:00	1
PCB-1242	ND		0.40	0.074	ug/L		06/29/15 08:50	06/30/15 16:00	1
PCB-1248	ND		0.40	0.11	ug/L		06/29/15 08:50	06/30/15 16:00	1
PCB-1254	ND		0.40	0.12	ug/L		06/29/15 08:50	06/30/15 16:00	1
PCB-1260	ND		0.40	0.068	ug/L		06/29/15 08:50	06/30/15 16:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*92*		*35 - 140*	*06/29/15 08:50*	*06/30/15 16:00*	*1*
Tetrachloro-m-xylene (Surr)	*89*		*35 - 140*	*06/29/15 08:50*	*06/30/15 16:00*	*1*
DCB Decachlorobiphenyl (Surr)	*95*		*35 - 140*	*06/29/15 08:50*	*06/30/15 16:00*	*1*
DCB Decachlorobiphenyl (Surr)	*93*		*35 - 140*	*06/29/15 08:50*	*06/30/15 16:00*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45380-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: WG-9954-062315-SG-011
Date Collected: 06/23/15 11:25
Date Received: 06/24/15 08:45

Lab Sample ID: 180-45380-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.40	0.10	ug/L		06/29/15 08:50	06/30/15 16:19	1
PCB-1221	ND		0.40	0.16	ug/L		06/29/15 08:50	06/30/15 16:19	1
PCB-1232	ND		0.40	0.16	ug/L		06/29/15 08:50	06/30/15 16:19	1
PCB-1242	ND		0.40	0.074	ug/L		06/29/15 08:50	06/30/15 16:19	1
PCB-1248	ND		0.40	0.11	ug/L		06/29/15 08:50	06/30/15 16:19	1
PCB-1254	ND		0.40	0.12	ug/L		06/29/15 08:50	06/30/15 16:19	1
PCB-1260	ND		0.40	0.068	ug/L		06/29/15 08:50	06/30/15 16:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*87*		*35 - 140*	*06/29/15 08:50*	*06/30/15 16:19*	*1*
Tetrachloro-m-xylene (Surr)	*83*		*35 - 140*	*06/29/15 08:50*	*06/30/15 16:19*	*1*
DCB Decachlorobiphenyl (Surr)	*93*		*35 - 140*	*06/29/15 08:50*	*06/30/15 16:19*	*1*
DCB Decachlorobiphenyl (Surr)	*90*		*35 - 140*	*06/29/15 08:50*	*06/30/15 16:19*	*1*

CHAIN-OF-CUSTODY/Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Client Information	
GLEN SPRINGS HOLDINGS INC	Report To: Susan Scrocchi
805 97TH STREET	Copy To:
LOVE CANAL	
NIAGARA FALLS, NEW YORK 14304	Invoice To:
Phone: 716-283-0111	PO:
Fax: 716-283-2856	Project Name: LOVE CANAL ANNUAL GW
Email: sscrocchi@craworld.com	Project Number: 9954

Lab Information
Laboratory: TEST AMERICA PITTSBURGH
Laboratory Location: 301 ALPHA DRIVE PITTSBURGH, PA 15238
Laboratory Contact: JILL COLUSSY
Requested Due Date: TAT: 10
QA/QC Requirements:

Event Information
ID#: LC ANNUAL GW SAMPLING-03-1
SSOW Ref#:
Sampler Name: SHAWN GARDNER

Valid Matrix Code
WG Groundwater
WB Borehole Water
WS Surface Water
SO Soil
SE Sediment

Sample Condition	
Temp in C	
Received on ice	Y/N
Sealed Cooler	Y/N
Samples Intact	Y/N

Sample Identification	Matrix Code	Date Collected	Time Collected	PestPCBs(None)	SVOC(none)	VOA(HCl)	Remarks
WG-9954-062315-SG-014	WG	06/23/2015	14:25	4	2	3	
WG-9954-062315-SG-012	WG	06/23/2015	12:25	4	2	3	
WG-9954-062315-SG-013	WG	06/23/2015	13:45	4	2	3	
WG-9954-062315-SG-010	WG	06/23/2015	11:25	4	2	3	
LCTRIP-062315	WG Q	06/23/2015	00:00	-	-	3	
WG-9954-062315-SG-011	WG	06/23/2015	11:25	4	2	3	
Total Bottles				**20**	**10**	**18**	**Grand Total:48**

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY:	DATE	TIME	RECIEVED BY:	DATE	TIME
FedEx	2	Shawn Gardner	6/23/15	1520	Pellie Watson	6-24-15	8:45
AIRBILL#:							

180-45380 Chain of Custody

ANALYTICAL REPORT

Job Number: 180-45395-1

Job Description: 9954, Love Canal Annual

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

Attention: Ms. Sue Scrocchi

Approved for release.
Jill L Colussy
Project Manager I
7/9/2015 5:36 PM

Jill L Colussy, Project Manager I
301 Alpha Drive, Pittsburgh, PA, 15238
(412)963-2444
jill.colussy@testamericainc.com
07/09/2015

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Qualifiers

GC/MS VOA

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

GC/MS VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
T	Result is a tentatively identified compound (TIC) and an estimated value.
N	Presumptive evidence of material.

GC/MS Semi VOA

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

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
T	Result is a tentatively identified compound (TIC) and an estimated value.

GC Semi VOA

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

Glossary

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

CASE NARRATIVE

Client: GHD Services Inc.

Project: 9954, Love Canal Annual

Report Number: 180-45395-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT
The samples were received on 6/25/2015 8:45 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 0.9º C and 3.6º C.

The TRIP BLANK did not have a sampling time listed on the chain of custody. The earliest sampling time was logged in as per the laboratory SOP.

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

SEMIVOLATILES
The matrix spike/matrix spike duplicate of sample WG-9954-062415-SG-015 (180-45395-2) recovered outside of the control limits for several compounds.

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

PCBS
No 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: 9954, Love Canal Annual

TestAmerica Job ID: 180-45395-1

Client Sample ID: WG-9954-062415-SG-018 — Lab Sample ID: 180-45395-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	1.9	J	5.0	0.53	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	4.9	J	5.0	0.67	ug/L	1		8260C	Total/NA
Trichloroethene	13		5.0	0.80	ug/L	1		8260C	Total/NA
1,2,4-Trichlorobenzene	5.1	J	9.3	0.79	ug/L	1		8270D	Total/NA
alpha-BHC	0.039	J	0.050	0.027	ug/L	1		8081B	Total/NA
delta-BHC	0.066		0.050	0.017	ug/L	1		8081B	Total/NA

Client Sample ID: WG-9954-062415-SG-015 — Lab Sample ID: 180-45395-2

No Detections.

Client Sample ID: WG-9954-062415-SG-016 — Lab Sample ID: 180-45395-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	1.9	J	5.0	1.1	ug/L	1		8260C	Total/NA

Client Sample ID: LCTRIP-062415-SG — Lab Sample ID: 180-45395-4

No Detections.

Client Sample ID: WG-9954-062415-SG-019 — Lab Sample ID: 180-45395-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	2.0	J	5.0	0.53	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	4.8	J	5.0	0.67	ug/L	1		8260C	Total/NA
Trichloroethene	15		5.0	0.80	ug/L	1		8260C	Total/NA
1,2,4-Trichlorobenzene	6.6	J	9.3	0.79	ug/L	1		8270D	Total/NA
alpha-BHC	0.047	J	0.050	0.027	ug/L	1		8081B	Total/NA
delta-BHC	0.085		0.050	0.017	ug/L	1		8081B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45395-1

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

Client Sample ID: WG-9954-062415-SG-018
Date Collected: 06/24/15 14:45
Date Received: 06/25/15 08:45

Lab Sample ID: 180-45395-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	1.0	ug/L			07/06/15 21:06	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.93	ug/L			07/06/15 21:06	1
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			07/06/15 21:06	1
1,1-Dichloroethane	ND		5.0	1.0	ug/L			07/06/15 21:06	1
1,1-Dichloroethene	ND		5.0	1.1	ug/L			07/06/15 21:06	1
1,2-Dichloroethane	ND		5.0	0.96	ug/L			07/06/15 21:06	1
1,2-Dichloropropane	ND		5.0	1.3	ug/L			07/06/15 21:06	1
2-Butanone (MEK)	ND		5.0	1.1	ug/L			07/06/15 21:06	1
2-Hexanone	ND		5.0	0.57	ug/L			07/06/15 21:06	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.59	ug/L			07/06/15 21:06	1
Acetone	ND		20	5.0	ug/L			07/06/15 21:06	1
Benzene	ND		5.0	0.99	ug/L			07/06/15 21:06	1
Bromodichloromethane	ND		5.0	0.93	ug/L			07/06/15 21:06	1
Bromoform	ND		5.0	1.1	ug/L			07/06/15 21:06	1
Bromomethane	ND		5.0	1.6	ug/L			07/06/15 21:06	1
Carbon disulfide	ND		5.0	1.1	ug/L			07/06/15 21:06	1
Carbon tetrachloride	ND		5.0	1.1	ug/L			07/06/15 21:06	1
Chlorobenzene	**1.9**	**J**	5.0	0.53	ug/L			07/06/15 21:06	1
Chloroethane	ND		5.0	0.75	ug/L			07/06/15 21:06	1
Chloroform	ND		5.0	1.0	ug/L			07/06/15 21:06	1
Chloromethane	ND		5.0	1.4	ug/L			07/06/15 21:06	1
cis-1,2-Dichloroethene	**4.9**	**J**	5.0	0.67	ug/L			07/06/15 21:06	1
cis-1,3-Dichloropropene	ND		5.0	0.73	ug/L			07/06/15 21:06	1
Dibromochloromethane	ND		5.0	0.65	ug/L			07/06/15 21:06	1
Ethylbenzene	ND		5.0	0.62	ug/L			07/06/15 21:06	1
Methylene Chloride	ND		5.0	1.1	ug/L			07/06/15 21:06	1
Styrene	ND		5.0	0.64	ug/L			07/06/15 21:06	1
Tetrachloroethene	ND		5.0	0.82	ug/L			07/06/15 21:06	1
Toluene	ND		5.0	0.85	ug/L			07/06/15 21:06	1
trans-1,2-Dichloroethene	ND		5.0	0.75	ug/L			07/06/15 21:06	1
trans-1,3-Dichloropropene	ND		5.0	0.58	ug/L			07/06/15 21:06	1
Trichloroethene	**13**		5.0	0.80	ug/L			07/06/15 21:06	1
Vinyl acetate	ND		5.0	0.86	ug/L			07/06/15 21:06	1
Vinyl chloride	ND		5.0	1.3	ug/L			07/06/15 21:06	1
Xylenes, Total	ND		10	1.7	ug/L			07/06/15 21:06	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*13*	*T J*	*ug/L*		*10.38*			*07/06/15 21:06*	*1*
Unknown Benzene Derivative	*19*	*T J*	*ug/L*		*10.97*			*07/06/15 21:06*	*1*
Unknown Benzene Derivative	*9.4*	*T J*	*ug/L*		*13.77*			*07/06/15 21:06*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*80*		*62 - 123*		*07/06/15 21:06*	*1*
4-Bromofluorobenzene (Surr)	*86*		*75 - 120*		*07/06/15 21:06*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*07/06/15 21:06*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*07/06/15 21:06*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45395-1

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

Client Sample ID: WG-9954-062415-SG-015
Date Collected: 06/24/15 14:00
Date Received: 06/25/15 08:45

Lab Sample ID: 180-45395-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	1.0	ug/L			07/02/15 12:16	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.93	ug/L			07/02/15 12:16	1
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			07/02/15 12:16	1
1,1-Dichloroethane	ND		5.0	1.0	ug/L			07/02/15 12:16	1
1,1-Dichloroethene	ND		5.0	1.1	ug/L			07/02/15 12:16	1
1,2-Dichloroethane	ND		5.0	0.96	ug/L			07/02/15 12:16	1
1,2-Dichloropropane	ND		5.0	1.3	ug/L			07/02/15 12:16	1
2-Butanone (MEK)	ND		5.0	1.1	ug/L			07/02/15 12:16	1
2-Hexanone	ND		5.0	0.57	ug/L			07/02/15 12:16	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.59	ug/L			07/02/15 12:16	1
Acetone	ND		20	5.0	ug/L			07/02/15 12:16	1
Benzene	ND		5.0	0.99	ug/L			07/02/15 12:16	1
Bromodichloromethane	ND		5.0	0.93	ug/L			07/02/15 12:16	1
Bromoform	ND		5.0	1.1	ug/L			07/02/15 12:16	1
Bromomethane	ND		5.0	1.6	ug/L			07/02/15 12:16	1
Carbon disulfide	ND		5.0	1.1	ug/L			07/02/15 12:16	1
Carbon tetrachloride	ND		5.0	1.1	ug/L			07/02/15 12:16	1
Chlorobenzene	ND		5.0	0.53	ug/L			07/02/15 12:16	1
Chloroethane	ND		5.0	0.75	ug/L			07/02/15 12:16	1
Chloroform	ND		5.0	1.0	ug/L			07/02/15 12:16	1
Chloromethane	ND		5.0	1.4	ug/L			07/02/15 12:16	1
cis-1,2-Dichloroethene	ND		5.0	0.67	ug/L			07/02/15 12:16	1
cis-1,3-Dichloropropene	ND		5.0	0.73	ug/L			07/02/15 12:16	1
Dibromochloromethane	ND		5.0	0.65	ug/L			07/02/15 12:16	1
Ethylbenzene	ND		5.0	0.62	ug/L			07/02/15 12:16	1
Methylene Chloride	ND		5.0	1.1	ug/L			07/02/15 12:16	1
Styrene	ND		5.0	0.64	ug/L			07/02/15 12:16	1
Tetrachloroethene	ND		5.0	0.82	ug/L			07/02/15 12:16	1
Toluene	ND		5.0	0.85	ug/L			07/02/15 12:16	1
trans-1,2-Dichloroethene	ND		5.0	0.75	ug/L			07/02/15 12:16	1
trans-1,3-Dichloropropene	ND		5.0	0.58	ug/L			07/02/15 12:16	1
Trichloroethene	ND		5.0	0.80	ug/L			07/02/15 12:16	1
Vinyl acetate	ND		5.0	0.86	ug/L			07/02/15 12:16	1
Vinyl chloride	ND		5.0	1.3	ug/L			07/02/15 12:16	1
Xylenes, Total	ND		10	1.7	ug/L			07/02/15 12:16	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*07/02/15 12:16*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*72*		*62 - 123*		*07/02/15 12:16*	*1*
4-Bromofluorobenzene (Surr)	*85*		*75 - 120*		*07/02/15 12:16*	*1*
Dibromofluoromethane (Surr)	*89*		*80 - 120*		*07/02/15 12:16*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*07/02/15 12:16*	*1*

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

Client Sample ID: WG-9954-062415-SG-016
Date Collected: 06/24/15 15:10
Date Received: 06/25/15 08:45

Lab Sample ID: 180-45395-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	1.0	ug/L			07/06/15 21:31	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.93	ug/L			07/06/15 21:31	1
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			07/06/15 21:31	1
1,1-Dichloroethane	ND		5.0	1.0	ug/L			07/06/15 21:31	1
1,1-Dichloroethene	ND		5.0	1.1	ug/L			07/06/15 21:31	1
1,2-Dichloroethane	ND		5.0	0.96	ug/L			07/06/15 21:31	1
1,2-Dichloropropane	ND		5.0	1.3	ug/L			07/06/15 21:31	1
2-Butanone (MEK)	ND		5.0	1.1	ug/L			07/06/15 21:31	1
2-Hexanone	ND		5.0	0.57	ug/L			07/06/15 21:31	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.59	ug/L			07/06/15 21:31	1
Acetone	ND		20	5.0	ug/L			07/06/15 21:31	1
Benzene	ND		5.0	0.99	ug/L			07/06/15 21:31	1
Bromodichloromethane	ND		5.0	0.93	ug/L			07/06/15 21:31	1
Bromoform	ND		5.0	1.1	ug/L			07/06/15 21:31	1
Bromomethane	ND		5.0	1.6	ug/L			07/06/15 21:31	1
Carbon disulfide	**1.9**	**J**	5.0	1.1	ug/L			07/06/15 21:31	1
Carbon tetrachloride	ND		5.0	1.1	ug/L			07/06/15 21:31	1
Chlorobenzene	ND		5.0	0.53	ug/L			07/06/15 21:31	1
Chloroethane	ND		5.0	0.75	ug/L			07/06/15 21:31	1
Chloroform	ND		5.0	1.0	ug/L			07/06/15 21:31	1
Chloromethane	ND		5.0	1.4	ug/L			07/06/15 21:31	1
cis-1,2-Dichloroethene	ND		5.0	0.67	ug/L			07/06/15 21:31	1
cis-1,3-Dichloropropene	ND		5.0	0.73	ug/L			07/06/15 21:31	1
Dibromochloromethane	ND		5.0	0.65	ug/L			07/06/15 21:31	1
Ethylbenzene	ND		5.0	0.62	ug/L			07/06/15 21:31	1
Methylene Chloride	ND		5.0	1.1	ug/L			07/06/15 21:31	1
Styrene	ND		5.0	0.64	ug/L			07/06/15 21:31	1
Tetrachloroethene	ND		5.0	0.82	ug/L			07/06/15 21:31	1
Toluene	ND		5.0	0.85	ug/L			07/06/15 21:31	1
trans-1,2-Dichloroethene	ND		5.0	0.75	ug/L			07/06/15 21:31	1
trans-1,3-Dichloropropene	ND		5.0	0.58	ug/L			07/06/15 21:31	1
Trichloroethene	ND		5.0	0.80	ug/L			07/06/15 21:31	1
Vinyl acetate	ND		5.0	0.86	ug/L			07/06/15 21:31	1
Vinyl chloride	ND		5.0	1.3	ug/L			07/06/15 21:31	1
Xylenes, Total	ND		10	1.7	ug/L			07/06/15 21:31	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Furan, tetrahydro-2-methyl-	*19*	*T J N*	*ug/L*		*6.09*	*96-47-9*		*07/06/15 21:31*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*77*		*62 - 123*		*07/06/15 21:31*	*1*
4-Bromofluorobenzene (Surr)	*82*		*75 - 120*		*07/06/15 21:31*	*1*
Dibromofluoromethane (Surr)	*94*		*80 - 120*		*07/06/15 21:31*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*07/06/15 21:31*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45395-1

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

Client Sample ID: LCTRIP-062415-SG
Date Collected: 06/24/15 14:00
Date Received: 06/25/15 08:45

Lab Sample ID: 180-45395-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	1.0	ug/L			07/02/15 12:41	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.93	ug/L			07/02/15 12:41	1
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			07/02/15 12:41	1
1,1-Dichloroethane	ND		5.0	1.0	ug/L			07/02/15 12:41	1
1,1-Dichloroethene	ND		5.0	1.1	ug/L			07/02/15 12:41	1
1,2-Dichloroethane	ND		5.0	0.96	ug/L			07/02/15 12:41	1
1,2-Dichloropropane	ND		5.0	1.3	ug/L			07/02/15 12:41	1
2-Butanone (MEK)	ND		5.0	1.1	ug/L			07/02/15 12:41	1
2-Hexanone	ND		5.0	0.57	ug/L			07/02/15 12:41	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.59	ug/L			07/02/15 12:41	1
Acetone	ND		20	5.0	ug/L			07/02/15 12:41	1
Benzene	ND		5.0	0.99	ug/L			07/02/15 12:41	1
Bromodichloromethane	ND		5.0	0.93	ug/L			07/02/15 12:41	1
Bromoform	ND		5.0	1.1	ug/L			07/02/15 12:41	1
Bromomethane	ND		5.0	1.6	ug/L			07/02/15 12:41	1
Carbon disulfide	ND		5.0	1.1	ug/L			07/02/15 12:41	1
Carbon tetrachloride	ND		5.0	1.1	ug/L			07/02/15 12:41	1
Chlorobenzene	ND		5.0	0.53	ug/L			07/02/15 12:41	1
Chloroethane	ND		5.0	0.75	ug/L			07/02/15 12:41	1
Chloroform	ND		5.0	1.0	ug/L			07/02/15 12:41	1
Chloromethane	ND		5.0	1.4	ug/L			07/02/15 12:41	1
cis-1,2-Dichloroethene	ND		5.0	0.67	ug/L			07/02/15 12:41	1
cis-1,3-Dichloropropene	ND		5.0	0.73	ug/L			07/02/15 12:41	1
Dibromochloromethane	ND		5.0	0.65	ug/L			07/02/15 12:41	1
Ethylbenzene	ND		5.0	0.62	ug/L			07/02/15 12:41	1
Methylene Chloride	ND		5.0	1.1	ug/L			07/02/15 12:41	1
Styrene	ND		5.0	0.64	ug/L			07/02/15 12:41	1
Tetrachloroethene	ND		5.0	0.82	ug/L			07/02/15 12:41	1
Toluene	ND		5.0	0.85	ug/L			07/02/15 12:41	1
trans-1,2-Dichloroethene	ND		5.0	0.75	ug/L			07/02/15 12:41	1
trans-1,3-Dichloropropene	ND		5.0	0.58	ug/L			07/02/15 12:41	1
Trichloroethene	ND		5.0	0.80	ug/L			07/02/15 12:41	1
Vinyl acetate	ND		5.0	0.86	ug/L			07/02/15 12:41	1
Vinyl chloride	ND		5.0	1.3	ug/L			07/02/15 12:41	1
Xylenes, Total	ND		10	1.7	ug/L			07/02/15 12:41	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*07/02/15 12:41*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*79*		*62 - 123*		*07/02/15 12:41*	*1*
4-Bromofluorobenzene (Surr)	*89*		*75 - 120*		*07/02/15 12:41*	*1*
Dibromofluoromethane (Surr)	*92*		*80 - 120*		*07/02/15 12:41*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*07/02/15 12:41*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45395-1

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

Client Sample ID: WG-9954-062415-SG-019
Date Collected: 06/24/15 14:45
Date Received: 06/25/15 08:45

Lab Sample ID: 180-45395-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	1.0	ug/L			07/06/15 21:55	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.93	ug/L			07/06/15 21:55	1
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			07/06/15 21:55	1
1,1-Dichloroethane	ND		5.0	1.0	ug/L			07/06/15 21:55	1
1,1-Dichloroethene	ND		5.0	1.1	ug/L			07/06/15 21:55	1
1,2-Dichloroethane	ND		5.0	0.96	ug/L			07/06/15 21:55	1
1,2-Dichloropropane	ND		5.0	1.3	ug/L			07/06/15 21:55	1
2-Butanone (MEK)	ND		5.0	1.1	ug/L			07/06/15 21:55	1
2-Hexanone	ND		5.0	0.57	ug/L			07/06/15 21:55	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.59	ug/L			07/06/15 21:55	1
Acetone	ND		20	5.0	ug/L			07/06/15 21:55	1
Benzene	ND		5.0	0.99	ug/L			07/06/15 21:55	1
Bromodichloromethane	ND		5.0	0.93	ug/L			07/06/15 21:55	1
Bromoform	ND		5.0	1.1	ug/L			07/06/15 21:55	1
Bromomethane	ND		5.0	1.6	ug/L			07/06/15 21:55	1
Carbon disulfide	ND		5.0	1.1	ug/L			07/06/15 21:55	1
Carbon tetrachloride	ND		5.0	1.1	ug/L			07/06/15 21:55	1
Chlorobenzene	**2.0**	**J**	5.0	0.53	ug/L			07/06/15 21:55	1
Chloroethane	ND		5.0	0.75	ug/L			07/06/15 21:55	1
Chloroform	ND		5.0	1.0	ug/L			07/06/15 21:55	1
Chloromethane	ND		5.0	1.4	ug/L			07/06/15 21:55	1
cis-1,2-Dichloroethene	**4.8**	**J**	5.0	0.67	ug/L			07/06/15 21:55	1
cis-1,3-Dichloropropene	ND		5.0	0.73	ug/L			07/06/15 21:55	1
Dibromochloromethane	ND		5.0	0.65	ug/L			07/06/15 21:55	1
Ethylbenzene	ND		5.0	0.62	ug/L			07/06/15 21:55	1
Methylene Chloride	ND		5.0	1.1	ug/L			07/06/15 21:55	1
Styrene	ND		5.0	0.64	ug/L			07/06/15 21:55	1
Tetrachloroethene	ND		5.0	0.82	ug/L			07/06/15 21:55	1
Toluene	ND		5.0	0.85	ug/L			07/06/15 21:55	1
trans-1,2-Dichloroethene	ND		5.0	0.75	ug/L			07/06/15 21:55	1
trans-1,3-Dichloropropene	ND		5.0	0.58	ug/L			07/06/15 21:55	1
Trichloroethene	**15**		5.0	0.80	ug/L			07/06/15 21:55	1
Vinyl acetate	ND		5.0	0.86	ug/L			07/06/15 21:55	1
Vinyl chloride	ND		5.0	1.3	ug/L			07/06/15 21:55	1
Xylenes, Total	ND		10	1.7	ug/L			07/06/15 21:55	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown Benzene Derivative	*14*	*T J*	*ug/L*		*10.38*			*07/06/15 21:55*	*1*
Unknown Benzene Derivative	*20*	*T J*	*ug/L*		*10.97*			*07/06/15 21:55*	*1*
Unknown Benzene Derivative	*10*	*T J*	*ug/L*		*13.77*			*07/06/15 21:55*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*76*		*62 - 123*		*07/06/15 21:55*	*1*
4-Bromofluorobenzene (Surr)	*85*		*75 - 120*		*07/06/15 21:55*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*07/06/15 21:55*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*07/06/15 21:55*	*1*

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

Client Sample ID: WG-9954-062415-SG-018
Date Collected: 06/24/15 14:45
Date Received: 06/25/15 08:45

Lab Sample ID: 180-45395-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		1.9	0.27	ug/L		06/30/15 11:12	07/08/15 08:12	1
Acenaphthylene	ND		1.9	0.20	ug/L		06/30/15 11:12	07/08/15 08:12	1
Anthracene	ND		1.9	0.18	ug/L		06/30/15 11:12	07/08/15 08:12	1
Benzo[a]anthracene	ND		1.9	0.34	ug/L		06/30/15 11:12	07/08/15 08:12	1
Benzo[b]fluoranthene	ND		1.9	0.45	ug/L		06/30/15 11:12	07/08/15 08:12	1
Benzo[k]fluoranthene	ND		1.9	0.28	ug/L		06/30/15 11:12	07/08/15 08:12	1
Benzoic acid	ND		46	15	ug/L		06/30/15 11:12	07/08/15 08:12	1
Benzo[g,h,i]perylene	ND		1.9	0.27	ug/L		06/30/15 11:12	07/08/15 08:12	1
Benzo[a]pyrene	ND		1.9	0.26	ug/L		06/30/15 11:12	07/08/15 08:12	1
Benzyl alcohol	ND		9.3	1.8	ug/L		06/30/15 11:12	07/08/15 08:12	1
Bis(2-chloroethoxy)methane	ND		9.3	1.2	ug/L		06/30/15 11:12	07/08/15 08:12	1
Bis(2-chloroethyl)ether	ND		9.3	0.29	ug/L		06/30/15 11:12	07/08/15 08:12	1
Bis(2-ethylhexyl) phthalate	ND		19	4.1	ug/L		06/30/15 11:12	07/08/15 08:12	1
4-Bromophenyl phenyl ether	ND		9.3	1.1	ug/L		06/30/15 11:12	07/08/15 08:12	1
Butyl benzyl phthalate	ND		9.3	2.0	ug/L		06/30/15 11:12	07/08/15 08:12	1
4-Chloroaniline	ND		9.3	2.7	ug/L		06/30/15 11:12	07/08/15 08:12	1
4-Chloro-3-methylphenol	ND		9.3	1.6	ug/L		06/30/15 11:12	07/08/15 08:12	1
2-Chloronaphthalene	ND		1.9	0.28	ug/L		06/30/15 11:12	07/08/15 08:12	1
2-Chlorophenol	ND		9.3	2.1	ug/L		06/30/15 11:12	07/08/15 08:12	1
4-Chlorophenyl phenyl ether	ND		9.3	0.74	ug/L		06/30/15 11:12	07/08/15 08:12	1
Chrysene	ND		1.9	0.29	ug/L		06/30/15 11:12	07/08/15 08:12	1
Dibenz(a,h)anthracene	ND		1.9	0.25	ug/L		06/30/15 11:12	07/08/15 08:12	1
Dibenzofuran	ND		9.3	0.89	ug/L		06/30/15 11:12	07/08/15 08:12	1
Di-n-butyl phthalate	ND		9.3	2.2	ug/L		06/30/15 11:12	07/08/15 08:12	1
1,2-Dichlorobenzene	ND		9.3	1.0	ug/L		06/30/15 11:12	07/08/15 08:12	1
1,3-Dichlorobenzene	ND		9.3	0.70	ug/L		06/30/15 11:12	07/08/15 08:12	1
3,3'-Dichlorobenzidine	ND		9.3	1.4	ug/L		06/30/15 11:12	07/08/15 08:12	1
2,4-Dichlorophenol	ND		9.3	0.62	ug/L		06/30/15 11:12	07/08/15 08:12	1
Diethyl phthalate	ND		9.3	2.7	ug/L		06/30/15 11:12	07/08/15 08:12	1
2,4-Dimethylphenol	ND		9.3	1.6	ug/L		06/30/15 11:12	07/08/15 08:12	1
Dimethyl phthalate	ND		9.3	1.7	ug/L		06/30/15 11:12	07/08/15 08:12	1
4,6-Dinitro-2-methylphenol	ND		46	14	ug/L		06/30/15 11:12	07/08/15 08:12	1
2,4-Dinitrophenol	ND		46	23	ug/L		06/30/15 11:12	07/08/15 08:12	1
2,4-Dinitrotoluene	ND		9.3	2.0	ug/L		06/30/15 11:12	07/08/15 08:12	1
2,6-Dinitrotoluene	ND		9.3	1.3	ug/L		06/30/15 11:12	07/08/15 08:12	1
Di-n-octyl phthalate	ND		9.3	1.9	ug/L		06/30/15 11:12	07/08/15 08:12	1
Fluoranthene	ND		1.9	0.20	ug/L		06/30/15 11:12	07/08/15 08:12	1
Fluorene	ND		1.9	0.22	ug/L		06/30/15 11:12	07/08/15 08:12	1
Hexachlorobenzene	ND		9.3	0.56	ug/L		06/30/15 11:12	07/08/15 08:12	1
Hexachlorobutadiene	ND		9.3	0.87	ug/L		06/30/15 11:12	07/08/15 08:12	1
Hexachlorocyclopentadiene	ND		9.3	1.3	ug/L		06/30/15 11:12	07/08/15 08:12	1
Hexachloroethane	ND		9.3	1.3	ug/L		06/30/15 11:12	07/08/15 08:12	1
Indeno[1,2,3-cd]pyrene	ND		1.9	0.40	ug/L		06/30/15 11:12	07/08/15 08:12	1
Isophorone	ND		9.3	0.68	ug/L		06/30/15 11:12	07/08/15 08:12	1
2-Methylnaphthalene	ND		1.9	0.18	ug/L		06/30/15 11:12	07/08/15 08:12	1
2-Methylphenol	ND		9.3	1.7	ug/L		06/30/15 11:12	07/08/15 08:12	1
4-Methylphenol	ND		9.3	1.9	ug/L		06/30/15 11:12	07/08/15 08:12	1
Naphthalene	ND		1.9	0.21	ug/L		06/30/15 11:12	07/08/15 08:12	1
2-Nitroaniline	ND		46	6.2	ug/L		06/30/15 11:12	07/08/15 08:12	1

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

Client Sample ID: WG-9954-062415-SG-018
Date Collected: 06/24/15 14:45
Date Received: 06/25/15 08:45

Lab Sample ID: 180-45395-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		46	7.5	ug/L		06/30/15 11:12	07/08/15 08:12	1
4-Nitroaniline	ND		46	7.2	ug/L		06/30/15 11:12	07/08/15 08:12	1
Nitrobenzene	ND		19	1.4	ug/L		06/30/15 11:12	07/08/15 08:12	1
2-Nitrophenol	ND		9.3	1.0	ug/L		06/30/15 11:12	07/08/15 08:12	1
4-Nitrophenol	ND		46	7.4	ug/L		06/30/15 11:12	07/08/15 08:12	1
N-Nitrosodiphenylamine	ND		9.3	1.1	ug/L		06/30/15 11:12	07/08/15 08:12	1
N-Nitrosodi-n-propylamine	ND		9.3	0.46	ug/L		06/30/15 11:12	07/08/15 08:12	1
Pentachlorophenol	ND		9.3	4.6	ug/L		06/30/15 11:12	07/08/15 08:12	1
Phenanthrene	ND		1.9	0.38	ug/L		06/30/15 11:12	07/08/15 08:12	1
Phenol	ND		9.3	0.51	ug/L		06/30/15 11:12	07/08/15 08:12	1
Pyrene	ND		1.9	0.21	ug/L		06/30/15 11:12	07/08/15 08:12	1
1,2,4-Trichlorobenzene	**5.1**	**J**	9.3	0.79	ug/L		06/30/15 11:12	07/08/15 08:12	1
2,4,5-Trichlorophenol	ND		9.3	1.1	ug/L		06/30/15 11:12	07/08/15 08:12	1
2,4,6-Trichlorophenol	ND		9.3	2.8	ug/L		06/30/15 11:12	07/08/15 08:12	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*3.9*	*T J*	*ug/L*		*10.74*		*06/30/15 11:12*	*07/08/15 08:12*	*1*
Unknown	*4.3*	*T J*	*ug/L*		*12.12*		*06/30/15 11:12*	*07/08/15 08:12*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*61*		*28 - 106*	*06/30/15 11:12*	*07/08/15 08:12*	*1*
2-Fluorophenol	*60*		*20 - 108*	*06/30/15 11:12*	*07/08/15 08:12*	*1*
2,4,6-Tribromophenol	*70*		*25 - 118*	*06/30/15 11:12*	*07/08/15 08:12*	*1*
Nitrobenzene-d5	*66*		*27 - 110*	*06/30/15 11:12*	*07/08/15 08:12*	*1*
Phenol-d5	*63*		*23 - 111*	*06/30/15 11:12*	*07/08/15 08:12*	*1*
Terphenyl-d14	*37*		*20 - 109*	*06/30/15 11:12*	*07/08/15 08:12*	*1*

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

Client Sample ID: WG-9954-062415-SG-015
Date Collected: 06/24/15 14:00
Date Received: 06/25/15 08:45

Lab Sample ID: 180-45395-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		1.9	0.27	ug/L		06/30/15 11:12	07/06/15 20:18	1
Acenaphthylene	ND		1.9	0.20	ug/L		06/30/15 11:12	07/06/15 20:18	1
Anthracene	ND		1.9	0.18	ug/L		06/30/15 11:12	07/06/15 20:18	1
Benzo[a]anthracene	ND		1.9	0.34	ug/L		06/30/15 11:12	07/06/15 20:18	1
Benzo[b]fluoranthene	ND		1.9	0.45	ug/L		06/30/15 11:12	07/06/15 20:18	1
Benzo[k]fluoranthene	ND		1.9	0.28	ug/L		06/30/15 11:12	07/06/15 20:18	1
Benzoic acid	ND	F1	46	15	ug/L		06/30/15 11:12	07/06/15 20:18	1
Benzo[g,h,i]perylene	ND		1.9	0.27	ug/L		06/30/15 11:12	07/06/15 20:18	1
Benzo[a]pyrene	ND		1.9	0.26	ug/L		06/30/15 11:12	07/06/15 20:18	1
Benzyl alcohol	ND		9.3	1.8	ug/L		06/30/15 11:12	07/06/15 20:18	1
Bis(2-chloroethoxy)methane	ND		9.3	1.2	ug/L		06/30/15 11:12	07/06/15 20:18	1
Bis(2-chloroethyl)ether	ND		9.3	0.29	ug/L		06/30/15 11:12	07/06/15 20:18	1
Bis(2-ethylhexyl) phthalate	ND		19	4.1	ug/L		06/30/15 11:12	07/06/15 20:18	1
4-Bromophenyl phenyl ether	ND		9.3	1.1	ug/L		06/30/15 11:12	07/06/15 20:18	1
Butyl benzyl phthalate	ND		9.3	2.0	ug/L		06/30/15 11:12	07/06/15 20:18	1
4-Chloroaniline	ND		9.3	2.7	ug/L		06/30/15 11:12	07/06/15 20:18	1
4-Chloro-3-methylphenol	ND		9.3	1.6	ug/L		06/30/15 11:12	07/06/15 20:18	1
2-Chloronaphthalene	ND		1.9	0.28	ug/L		06/30/15 11:12	07/06/15 20:18	1
2-Chlorophenol	ND		9.3	2.1	ug/L		06/30/15 11:12	07/06/15 20:18	1
4-Chlorophenyl phenyl ether	ND		9.3	0.74	ug/L		06/30/15 11:12	07/06/15 20:18	1
Chrysene	ND		1.9	0.29	ug/L		06/30/15 11:12	07/06/15 20:18	1
Dibenz(a,h)anthracene	ND		1.9	0.25	ug/L		06/30/15 11:12	07/06/15 20:18	1
Dibenzofuran	ND		9.3	0.89	ug/L		06/30/15 11:12	07/06/15 20:18	1
Di-n-butyl phthalate	ND		9.3	2.2	ug/L		06/30/15 11:12	07/06/15 20:18	1
1,2-Dichlorobenzene	ND		9.3	1.0	ug/L		06/30/15 11:12	07/06/15 20:18	1
1,3-Dichlorobenzene	ND		9.3	0.70	ug/L		06/30/15 11:12	07/06/15 20:18	1
3,3'-Dichlorobenzidine	ND		9.3	1.4	ug/L		06/30/15 11:12	07/06/15 20:18	1
2,4-Dichlorophenol	ND		9.3	0.62	ug/L		06/30/15 11:12	07/06/15 20:18	1
Diethyl phthalate	ND		9.3	2.7	ug/L		06/30/15 11:12	07/06/15 20:18	1
2,4-Dimethylphenol	ND		9.3	1.6	ug/L		06/30/15 11:12	07/06/15 20:18	1
Dimethyl phthalate	ND		9.3	1.7	ug/L		06/30/15 11:12	07/06/15 20:18	1
4,6-Dinitro-2-methylphenol	ND		46	14	ug/L		06/30/15 11:12	07/06/15 20:18	1
2,4-Dinitrophenol	ND		46	23	ug/L		06/30/15 11:12	07/06/15 20:18	1
2,4-Dinitrotoluene	ND		9.3	2.0	ug/L		06/30/15 11:12	07/06/15 20:18	1
2,6-Dinitrotoluene	ND		9.3	1.3	ug/L		06/30/15 11:12	07/06/15 20:18	1
Di-n-octyl phthalate	ND		9.3	1.9	ug/L		06/30/15 11:12	07/06/15 20:18	1
Fluoranthene	ND		1.9	0.20	ug/L		06/30/15 11:12	07/06/15 20:18	1
Fluorene	ND		1.9	0.22	ug/L		06/30/15 11:12	07/06/15 20:18	1
Hexachlorobenzene	ND		9.3	0.56	ug/L		06/30/15 11:12	07/06/15 20:18	1
Hexachlorobutadiene	ND	F1	9.3	0.87	ug/L		06/30/15 11:12	07/06/15 20:18	1
Hexachlorocyclopentadiene	ND	F1	9.3	1.3	ug/L		06/30/15 11:12	07/06/15 20:18	1
Hexachloroethane	ND	F1	9.3	1.3	ug/L		06/30/15 11:12	07/06/15 20:18	1
Indeno[1,2,3-cd]pyrene	ND		1.9	0.40	ug/L		06/30/15 11:12	07/06/15 20:18	1
Isophorone	ND		9.3	0.68	ug/L		06/30/15 11:12	07/06/15 20:18	1
2-Methylnaphthalene	ND		1.9	0.18	ug/L		06/30/15 11:12	07/06/15 20:18	1
2-Methylphenol	ND		9.3	1.7	ug/L		06/30/15 11:12	07/06/15 20:18	1
4-Methylphenol	ND		9.3	1.9	ug/L		06/30/15 11:12	07/06/15 20:18	1
Naphthalene	ND		1.9	0.21	ug/L		06/30/15 11:12	07/06/15 20:18	1
2-Nitroaniline	ND		46	6.2	ug/L		06/30/15 11:12	07/06/15 20:18	1

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

Client Sample ID: WG-9954-062415-SG-015
Date Collected: 06/24/15 14:00
Date Received: 06/25/15 08:45

Lab Sample ID: 180-45395-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		46	7.5	ug/L		06/30/15 11:12	07/06/15 20:18	1
4-Nitroaniline	ND		46	7.2	ug/L		06/30/15 11:12	07/06/15 20:18	1
Nitrobenzene	ND		19	1.4	ug/L		06/30/15 11:12	07/06/15 20:18	1
2-Nitrophenol	ND		9.3	1.0	ug/L		06/30/15 11:12	07/06/15 20:18	1
4-Nitrophenol	ND		46	7.4	ug/L		06/30/15 11:12	07/06/15 20:18	1
N-Nitrosodiphenylamine	ND		9.3	1.1	ug/L		06/30/15 11:12	07/06/15 20:18	1
N-Nitrosodi-n-propylamine	ND		9.3	0.46	ug/L		06/30/15 11:12	07/06/15 20:18	1
Pentachlorophenol	ND	F1	9.3	4.6	ug/L		06/30/15 11:12	07/06/15 20:18	1
Phenanthrene	ND		1.9	0.38	ug/L		06/30/15 11:12	07/06/15 20:18	1
Phenol	ND		9.3	0.51	ug/L		06/30/15 11:12	07/06/15 20:18	1
Pyrene	ND		1.9	0.21	ug/L		06/30/15 11:12	07/06/15 20:18	1
1,2,4-Trichlorobenzene	ND		9.3	0.79	ug/L		06/30/15 11:12	07/06/15 20:18	1
2,4,5-Trichlorophenol	ND		9.3	1.1	ug/L		06/30/15 11:12	07/06/15 20:18	1
2,4,6-Trichlorophenol	ND		9.3	2.8	ug/L		06/30/15 11:12	07/06/15 20:18	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*5.3*	*T J*	*ug/L*		*16.17*		*06/30/15 11:12*	*07/06/15 20:18*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*52*		*28 - 106*	*06/30/15 11:12*	*07/06/15 20:18*	*1*
2-Fluorophenol	*48*		*20 - 108*	*06/30/15 11:12*	*07/06/15 20:18*	*1*
2,4,6-Tribromophenol	*51*		*25 - 118*	*06/30/15 11:12*	*07/06/15 20:18*	*1*
Nitrobenzene-d5	*53*		*27 - 110*	*06/30/15 11:12*	*07/06/15 20:18*	*1*
Phenol-d5	*45*		*23 - 111*	*06/30/15 11:12*	*07/06/15 20:18*	*1*
Terphenyl-d14	*21*		*20 - 109*	*06/30/15 11:12*	*07/06/15 20:18*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45395-1

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

Client Sample ID: WG-9954-062415-SG-016
Date Collected: 06/24/15 15:10
Date Received: 06/25/15 08:45

Lab Sample ID: 180-45395-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		1.9	0.27	ug/L		06/30/15 11:12	07/08/15 08:38	1
Acenaphthylene	ND		1.9	0.20	ug/L		06/30/15 11:12	07/08/15 08:38	1
Anthracene	ND		1.9	0.18	ug/L		06/30/15 11:12	07/08/15 08:38	1
Benzo[a]anthracene	ND		1.9	0.34	ug/L		06/30/15 11:12	07/08/15 08:38	1
Benzo[b]fluoranthene	ND		1.9	0.45	ug/L		06/30/15 11:12	07/08/15 08:38	1
Benzo[k]fluoranthene	ND		1.9	0.28	ug/L		06/30/15 11:12	07/08/15 08:38	1
Benzoic acid	ND		46	15	ug/L		06/30/15 11:12	07/08/15 08:38	1
Benzo[g,h,i]perylene	ND		1.9	0.27	ug/L		06/30/15 11:12	07/08/15 08:38	1
Benzo[a]pyrene	ND		1.9	0.26	ug/L		06/30/15 11:12	07/08/15 08:38	1
Benzyl alcohol	ND		9.3	1.8	ug/L		06/30/15 11:12	07/08/15 08:38	1
Bis(2-chloroethoxy)methane	ND		9.3	1.2	ug/L		06/30/15 11:12	07/08/15 08:38	1
Bis(2-chloroethyl)ether	ND		9.3	0.29	ug/L		06/30/15 11:12	07/08/15 08:38	1
Bis(2-ethylhexyl) phthalate	ND		19	4.1	ug/L		06/30/15 11:12	07/08/15 08:38	1
4-Bromophenyl phenyl ether	ND		9.3	1.1	ug/L		06/30/15 11:12	07/08/15 08:38	1
Butyl benzyl phthalate	ND		9.3	2.0	ug/L		06/30/15 11:12	07/08/15 08:38	1
4-Chloroaniline	ND		9.3	2.7	ug/L		06/30/15 11:12	07/08/15 08:38	1
4-Chloro-3-methylphenol	ND		9.3	1.6	ug/L		06/30/15 11:12	07/08/15 08:38	1
2-Chloronaphthalene	ND		1.9	0.28	ug/L		06/30/15 11:12	07/08/15 08:38	1
2-Chlorophenol	ND		9.3	2.1	ug/L		06/30/15 11:12	07/08/15 08:38	1
4-Chlorophenyl phenyl ether	ND		9.3	0.74	ug/L		06/30/15 11:12	07/08/15 08:38	1
Chrysene	ND		1.9	0.29	ug/L		06/30/15 11:12	07/08/15 08:38	1
Dibenz(a,h)anthracene	ND		1.9	0.25	ug/L		06/30/15 11:12	07/08/15 08:38	1
Dibenzofuran	ND		9.3	0.89	ug/L		06/30/15 11:12	07/08/15 08:38	1
Di-n-butyl phthalate	ND		9.3	2.2	ug/L		06/30/15 11:12	07/08/15 08:38	1
1,2-Dichlorobenzene	ND		9.3	1.0	ug/L		06/30/15 11:12	07/08/15 08:38	1
1,3-Dichlorobenzene	ND		9.3	0.70	ug/L		06/30/15 11:12	07/08/15 08:38	1
3,3'-Dichlorobenzidine	ND		9.3	1.4	ug/L		06/30/15 11:12	07/08/15 08:38	1
2,4-Dichlorophenol	ND		9.3	0.62	ug/L		06/30/15 11:12	07/08/15 08:38	1
Diethyl phthalate	ND		9.3	2.7	ug/L		06/30/15 11:12	07/08/15 08:38	1
2,4-Dimethylphenol	ND		9.3	1.6	ug/L		06/30/15 11:12	07/08/15 08:38	1
Dimethyl phthalate	ND		9.3	1.7	ug/L		06/30/15 11:12	07/08/15 08:38	1
4,6-Dinitro-2-methylphenol	ND		46	14	ug/L		06/30/15 11:12	07/08/15 08:38	1
2,4-Dinitrophenol	ND		46	23	ug/L		06/30/15 11:12	07/08/15 08:38	1
2,4-Dinitrotoluene	ND		9.3	2.0	ug/L		06/30/15 11:12	07/08/15 08:38	1
2,6-Dinitrotoluene	ND		9.3	1.3	ug/L		06/30/15 11:12	07/08/15 08:38	1
Di-n-octyl phthalate	ND		9.3	1.9	ug/L		06/30/15 11:12	07/08/15 08:38	1
Fluoranthene	ND		1.9	0.20	ug/L		06/30/15 11:12	07/08/15 08:38	1
Fluorene	ND		1.9	0.22	ug/L		06/30/15 11:12	07/08/15 08:38	1
Hexachlorobenzene	ND		9.3	0.56	ug/L		06/30/15 11:12	07/08/15 08:38	1
Hexachlorobutadiene	ND		9.3	0.87	ug/L		06/30/15 11:12	07/08/15 08:38	1
Hexachlorocyclopentadiene	ND		9.3	1.3	ug/L		06/30/15 11:12	07/08/15 08:38	1
Hexachloroethane	ND		9.3	1.3	ug/L		06/30/15 11:12	07/08/15 08:38	1
Indeno[1,2,3-cd]pyrene	ND		1.9	0.40	ug/L		06/30/15 11:12	07/08/15 08:38	1
Isophorone	ND		9.3	0.68	ug/L		06/30/15 11:12	07/08/15 08:38	1
2-Methylnaphthalene	ND		1.9	0.18	ug/L		06/30/15 11:12	07/08/15 08:38	1
2-Methylphenol	ND		9.3	1.7	ug/L		06/30/15 11:12	07/08/15 08:38	1
4-Methylphenol	ND		9.3	1.9	ug/L		06/30/15 11:12	07/08/15 08:38	1
Naphthalene	ND		1.9	0.21	ug/L		06/30/15 11:12	07/08/15 08:38	1
2-Nitroaniline	ND		46	6.2	ug/L		06/30/15 11:12	07/08/15 08:38	1

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

Client Sample ID: WG-9954-062415-SG-016
Date Collected: 06/24/15 15:10
Date Received: 06/25/15 08:45

Lab Sample ID: 180-45395-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		46	7.5	ug/L		06/30/15 11:12	07/08/15 08:38	1
4-Nitroaniline	ND		46	7.2	ug/L		06/30/15 11:12	07/08/15 08:38	1
Nitrobenzene	ND		19	1.4	ug/L		06/30/15 11:12	07/08/15 08:38	1
2-Nitrophenol	ND		9.3	1.0	ug/L		06/30/15 11:12	07/08/15 08:38	1
4-Nitrophenol	ND		46	7.4	ug/L		06/30/15 11:12	07/08/15 08:38	1
N-Nitrosodiphenylamine	ND		9.3	1.1	ug/L		06/30/15 11:12	07/08/15 08:38	1
N-Nitrosodi-n-propylamine	ND		9.3	0.46	ug/L		06/30/15 11:12	07/08/15 08:38	1
Pentachlorophenol	ND		9.3	4.6	ug/L		06/30/15 11:12	07/08/15 08:38	1
Phenanthrene	ND		1.9	0.38	ug/L		06/30/15 11:12	07/08/15 08:38	1
Phenol	ND		9.3	0.51	ug/L		06/30/15 11:12	07/08/15 08:38	1
Pyrene	ND		1.9	0.21	ug/L		06/30/15 11:12	07/08/15 08:38	1
1,2,4-Trichlorobenzene	ND		9.3	0.79	ug/L		06/30/15 11:12	07/08/15 08:38	1
2,4,5-Trichlorophenol	ND		9.3	1.1	ug/L		06/30/15 11:12	07/08/15 08:38	1
2,4,6-Trichlorophenol	ND		9.3	2.8	ug/L		06/30/15 11:12	07/08/15 08:38	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*15*	*T J*	*ug/L*		*8.79*		*06/30/15 11:12*	*07/08/15 08:38*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*65*		*28 - 106*	*06/30/15 11:12*	*07/08/15 08:38*	*1*
2-Fluorophenol	*68*		*20 - 108*	*06/30/15 11:12*	*07/08/15 08:38*	*1*
2,4,6-Tribromophenol	*71*		*25 - 118*	*06/30/15 11:12*	*07/08/15 08:38*	*1*
Nitrobenzene-d5	*70*		*27 - 110*	*06/30/15 11:12*	*07/08/15 08:38*	*1*
Phenol-d5	*69*		*23 - 111*	*06/30/15 11:12*	*07/08/15 08:38*	*1*
Terphenyl-d14	*54*		*20 - 109*	*06/30/15 11:12*	*07/08/15 08:38*	*1*

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

Client Sample ID: WG-9954-062415-SG-019
Date Collected: 06/24/15 14:45
Date Received: 06/25/15 08:45

Lab Sample ID: 180-45395-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		1.9	0.27	ug/L		06/30/15 11:12	07/08/15 09:05	1
Acenaphthylene	ND		1.9	0.20	ug/L		06/30/15 11:12	07/08/15 09:05	1
Anthracene	ND		1.9	0.18	ug/L		06/30/15 11:12	07/08/15 09:05	1
Benzo[a]anthracene	ND		1.9	0.34	ug/L		06/30/15 11:12	07/08/15 09:05	1
Benzo[b]fluoranthene	ND		1.9	0.45	ug/L		06/30/15 11:12	07/08/15 09:05	1
Benzo[k]fluoranthene	ND		1.9	0.28	ug/L		06/30/15 11:12	07/08/15 09:05	1
Benzoic acid	ND		46	15	ug/L		06/30/15 11:12	07/08/15 09:05	1
Benzo[g,h,i]perylene	ND		1.9	0.27	ug/L		06/30/15 11:12	07/08/15 09:05	1
Benzo[a]pyrene	ND		1.9	0.26	ug/L		06/30/15 11:12	07/08/15 09:05	1
Benzyl alcohol	ND		9.3	1.8	ug/L		06/30/15 11:12	07/08/15 09:05	1
Bis(2-chloroethoxy)methane	ND		9.3	1.2	ug/L		06/30/15 11:12	07/08/15 09:05	1
Bis(2-chloroethyl)ether	ND		9.3	0.29	ug/L		06/30/15 11:12	07/08/15 09:05	1
Bis(2-ethylhexyl) phthalate	ND		19	4.1	ug/L		06/30/15 11:12	07/08/15 09:05	1
4-Bromophenyl phenyl ether	ND		9.3	1.1	ug/L		06/30/15 11:12	07/08/15 09:05	1
Butyl benzyl phthalate	ND		9.3	2.0	ug/L		06/30/15 11:12	07/08/15 09:05	1
4-Chloroaniline	ND		9.3	2.7	ug/L		06/30/15 11:12	07/08/15 09:05	1
4-Chloro-3-methylphenol	ND		9.3	1.6	ug/L		06/30/15 11:12	07/08/15 09:05	1
2-Chloronaphthalene	ND		1.9	0.28	ug/L		06/30/15 11:12	07/08/15 09:05	1
2-Chlorophenol	ND		9.3	2.1	ug/L		06/30/15 11:12	07/08/15 09:05	1
4-Chlorophenyl phenyl ether	ND		9.3	0.74	ug/L		06/30/15 11:12	07/08/15 09:05	1
Chrysene	ND		1.9	0.29	ug/L		06/30/15 11:12	07/08/15 09:05	1
Dibenz(a,h)anthracene	ND		1.9	0.25	ug/L		06/30/15 11:12	07/08/15 09:05	1
Dibenzofuran	ND		9.3	0.89	ug/L		06/30/15 11:12	07/08/15 09:05	1
Di-n-butyl phthalate	ND		9.3	2.2	ug/L		06/30/15 11:12	07/08/15 09:05	1
1,2-Dichlorobenzene	ND		9.3	1.0	ug/L		06/30/15 11:12	07/08/15 09:05	1
1,3-Dichlorobenzene	ND		9.3	0.70	ug/L		06/30/15 11:12	07/08/15 09:05	1
3,3'-Dichlorobenzidine	ND		9.3	1.4	ug/L		06/30/15 11:12	07/08/15 09:05	1
2,4-Dichlorophenol	ND		9.3	0.62	ug/L		06/30/15 11:12	07/08/15 09:05	1
Diethyl phthalate	ND		9.3	2.7	ug/L		06/30/15 11:12	07/08/15 09:05	1
2,4-Dimethylphenol	ND		9.3	1.6	ug/L		06/30/15 11:12	07/08/15 09:05	1
Dimethyl phthalate	ND		9.3	1.7	ug/L		06/30/15 11:12	07/08/15 09:05	1
4,6-Dinitro-2-methylphenol	ND		46	14	ug/L		06/30/15 11:12	07/08/15 09:05	1
2,4-Dinitrophenol	ND		46	23	ug/L		06/30/15 11:12	07/08/15 09:05	1
2,4-Dinitrotoluene	ND		9.3	2.0	ug/L		06/30/15 11:12	07/08/15 09:05	1
2,6-Dinitrotoluene	ND		9.3	1.3	ug/L		06/30/15 11:12	07/08/15 09:05	1
Di-n-octyl phthalate	ND		9.3	1.9	ug/L		06/30/15 11:12	07/08/15 09:05	1
Fluoranthene	ND		1.9	0.20	ug/L		06/30/15 11:12	07/08/15 09:05	1
Fluorene	ND		1.9	0.22	ug/L		06/30/15 11:12	07/08/15 09:05	1
Hexachlorobenzene	ND		9.3	0.56	ug/L		06/30/15 11:12	07/08/15 09:05	1
Hexachlorobutadiene	ND		9.3	0.87	ug/L		06/30/15 11:12	07/08/15 09:05	1
Hexachlorocyclopentadiene	ND		9.3	1.3	ug/L		06/30/15 11:12	07/08/15 09:05	1
Hexachloroethane	ND		9.3	1.3	ug/L		06/30/15 11:12	07/08/15 09:05	1
Indeno[1,2,3-cd]pyrene	ND		1.9	0.40	ug/L		06/30/15 11:12	07/08/15 09:05	1
Isophorone	ND		9.3	0.68	ug/L		06/30/15 11:12	07/08/15 09:05	1
2-Methylnaphthalene	ND		1.9	0.18	ug/L		06/30/15 11:12	07/08/15 09:05	1
2-Methylphenol	ND		9.3	1.7	ug/L		06/30/15 11:12	07/08/15 09:05	1
4-Methylphenol	ND		9.3	1.9	ug/L		06/30/15 11:12	07/08/15 09:05	1
Naphthalene	ND		1.9	0.21	ug/L		06/30/15 11:12	07/08/15 09:05	1
2-Nitroaniline	ND		46	6.2	ug/L		06/30/15 11:12	07/08/15 09:05	1

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

Client Sample ID: WG-9954-062415-SG-019
Date Collected: 06/24/15 14:45
Date Received: 06/25/15 08:45

Lab Sample ID: 180-45395-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		46	7.5	ug/L		06/30/15 11:12	07/08/15 09:05	1
4-Nitroaniline	ND		46	7.2	ug/L		06/30/15 11:12	07/08/15 09:05	1
Nitrobenzene	ND		19	1.4	ug/L		06/30/15 11:12	07/08/15 09:05	1
2-Nitrophenol	ND		9.3	1.0	ug/L		06/30/15 11:12	07/08/15 09:05	1
4-Nitrophenol	ND		46	7.4	ug/L		06/30/15 11:12	07/08/15 09:05	1
N-Nitrosodiphenylamine	ND		9.3	1.1	ug/L		06/30/15 11:12	07/08/15 09:05	1
N-Nitrosodi-n-propylamine	ND		9.3	0.46	ug/L		06/30/15 11:12	07/08/15 09:05	1
Pentachlorophenol	ND		9.3	4.6	ug/L		06/30/15 11:12	07/08/15 09:05	1
Phenanthrene	ND		1.9	0.38	ug/L		06/30/15 11:12	07/08/15 09:05	1
Phenol	ND		9.3	0.51	ug/L		06/30/15 11:12	07/08/15 09:05	1
Pyrene	ND		1.9	0.21	ug/L		06/30/15 11:12	07/08/15 09:05	1
1,2,4-Trichlorobenzene	**6.6**	**J**	9.3	0.79	ug/L		06/30/15 11:12	07/08/15 09:05	1
2,4,5-Trichlorophenol	ND		9.3	1.1	ug/L		06/30/15 11:12	07/08/15 09:05	1
2,4,6-Trichlorophenol	ND		9.3	2.8	ug/L		06/30/15 11:12	07/08/15 09:05	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*				*06/30/15 11:12*	*07/08/15 09:05*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*74*		*28 - 106*	*06/30/15 11:12*	*07/08/15 09:05*	*1*
2-Fluorophenol	*72*		*20 - 108*	*06/30/15 11:12*	*07/08/15 09:05*	*1*
2,4,6-Tribromophenol	*80*		*25 - 118*	*06/30/15 11:12*	*07/08/15 09:05*	*1*
Nitrobenzene-d5	*77*		*27 - 110*	*06/30/15 11:12*	*07/08/15 09:05*	*1*
Phenol-d5	*76*		*23 - 111*	*06/30/15 11:12*	*07/08/15 09:05*	*1*
Terphenyl-d14	*47*		*20 - 109*	*06/30/15 11:12*	*07/08/15 09:05*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45395-1

Method: 8081B - Organochlorine Pesticides (GC)

Client Sample ID: WG-9954-062415-SG-018
Date Collected: 06/24/15 14:45
Date Received: 06/25/15 08:45

Lab Sample ID: 180-45395-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.050	0.033	ug/L		06/29/15 08:50	07/07/15 14:40	1
alpha-BHC	**0.039**	**J**	0.050	0.027	ug/L		06/29/15 08:50	07/07/15 14:40	1
beta-BHC	ND		0.050	0.040	ug/L		06/29/15 08:50	07/07/15 14:40	1
delta-BHC	**0.066**		0.050	0.017	ug/L		06/29/15 08:50	07/07/15 14:40	1
gamma-BHC (Lindane)	ND		0.050	0.032	ug/L		06/29/15 08:50	07/07/15 14:40	1
alpha-Chlordane	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 14:40	1
gamma-Chlordane	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 14:40	1
4,4'-DDD	ND		0.050	0.027	ug/L		06/29/15 08:50	07/07/15 14:40	1
4,4'-DDE	ND		0.050	0.032	ug/L		06/29/15 08:50	07/07/15 14:40	1
4,4'-DDT	ND		0.050	0.030	ug/L		06/29/15 08:50	07/07/15 14:40	1
Dieldrin	ND		0.050	0.033	ug/L		06/29/15 08:50	07/07/15 14:40	1
Endosulfan I	ND		0.050	0.038	ug/L		06/29/15 08:50	07/07/15 14:40	1
Endosulfan II	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 14:40	1
Endosulfan sulfate	ND		0.050	0.023	ug/L		06/29/15 08:50	07/07/15 14:40	1
Endrin	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 14:40	1
Endrin ketone	ND		0.050	0.037	ug/L		06/29/15 08:50	07/07/15 14:40	1
Heptachlor	ND		0.050	0.040	ug/L		06/29/15 08:50	07/07/15 14:40	1
Heptachlor epoxide	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 14:40	1
Methoxychlor	ND		0.10	0.037	ug/L		06/29/15 08:50	07/07/15 14:40	1
Toxaphene	ND		4.0	0.74	ug/L		06/29/15 08:50	07/07/15 14:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*75*		*45 - 130*	*06/29/15 08:50*	*07/07/15 14:40*	*1*
Tetrachloro-m-xylene	*70*		*45 - 130*	*06/29/15 08:50*	*07/07/15 14:40*	*1*
DCB Decachlorobiphenyl (Surr)	*76*		*45 - 130*	*06/29/15 08:50*	*07/07/15 14:40*	*1*
DCB Decachlorobiphenyl (Surr)	*73*		*45 - 130*	*06/29/15 08:50*	*07/07/15 14:40*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45395-1

Method: 8081B - Organochlorine Pesticides (GC)

Client Sample ID: WG-9954-062415-SG-015
Date Collected: 06/24/15 14:00
Date Received: 06/25/15 08:45

Lab Sample ID: 180-45395-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.050	0.033	ug/L		06/29/15 08:50	07/07/15 14:56	1
alpha-BHC	ND		0.050	0.027	ug/L		06/29/15 08:50	07/07/15 14:56	1
beta-BHC	ND		0.050	0.040	ug/L		06/29/15 08:50	07/07/15 14:56	1
delta-BHC	ND		0.050	0.017	ug/L		06/29/15 08:50	07/07/15 14:56	1
gamma-BHC (Lindane)	ND		0.050	0.032	ug/L		06/29/15 08:50	07/07/15 14:56	1
alpha-Chlordane	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 14:56	1
gamma-Chlordane	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 14:56	1
4,4'-DDD	ND		0.050	0.027	ug/L		06/29/15 08:50	07/07/15 14:56	1
4,4'-DDE	ND		0.050	0.032	ug/L		06/29/15 08:50	07/07/15 14:56	1
4,4'-DDT	ND		0.050	0.030	ug/L		06/29/15 08:50	07/07/15 14:56	1
Dieldrin	ND		0.050	0.033	ug/L		06/29/15 08:50	07/07/15 14:56	1
Endosulfan I	ND		0.050	0.038	ug/L		06/29/15 08:50	07/07/15 14:56	1
Endosulfan II	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 14:56	1
Endosulfan sulfate	ND		0.050	0.023	ug/L		06/29/15 08:50	07/07/15 14:56	1
Endrin	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 14:56	1
Endrin ketone	ND		0.050	0.037	ug/L		06/29/15 08:50	07/07/15 14:56	1
Heptachlor	ND		0.050	0.040	ug/L		06/29/15 08:50	07/07/15 14:56	1
Heptachlor epoxide	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 14:56	1
Methoxychlor	ND		0.10	0.037	ug/L		06/29/15 08:50	07/07/15 14:56	1
Toxaphene	ND		4.0	0.74	ug/L		06/29/15 08:50	07/07/15 14:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*77*		*45 - 130*	*06/29/15 08:50*	*07/07/15 14:56*	*1*
Tetrachloro-m-xylene	*71*		*45 - 130*	*06/29/15 08:50*	*07/07/15 14:56*	*1*
DCB Decachlorobiphenyl (Surr)	*79*		*45 - 130*	*06/29/15 08:50*	*07/07/15 14:56*	*1*
DCB Decachlorobiphenyl (Surr)	*75*		*45 - 130*	*06/29/15 08:50*	*07/07/15 14:56*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45395-1

Method: 8081B - Organochlorine Pesticides (GC)

Client Sample ID: WG-9954-062415-SG-016
Date Collected: 06/24/15 15:10
Date Received: 06/25/15 08:45

Lab Sample ID: 180-45395-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.050	0.033	ug/L		06/29/15 08:50	07/07/15 15:42	1
alpha-BHC	ND		0.050	0.027	ug/L		06/29/15 08:50	07/07/15 15:42	1
beta-BHC	ND		0.050	0.040	ug/L		06/29/15 08:50	07/07/15 15:42	1
delta-BHC	ND		0.050	0.017	ug/L		06/29/15 08:50	07/07/15 15:42	1
gamma-BHC (Lindane)	ND		0.050	0.032	ug/L		06/29/15 08:50	07/07/15 15:42	1
alpha-Chlordane	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 15:42	1
gamma-Chlordane	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 15:42	1
4,4'-DDD	ND		0.050	0.027	ug/L		06/29/15 08:50	07/07/15 15:42	1
4,4'-DDE	ND		0.050	0.032	ug/L		06/29/15 08:50	07/07/15 15:42	1
4,4'-DDT	ND		0.050	0.030	ug/L		06/29/15 08:50	07/07/15 15:42	1
Dieldrin	ND		0.050	0.033	ug/L		06/29/15 08:50	07/07/15 15:42	1
Endosulfan I	ND		0.050	0.038	ug/L		06/29/15 08:50	07/07/15 15:42	1
Endosulfan II	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 15:42	1
Endosulfan sulfate	ND		0.050	0.023	ug/L		06/29/15 08:50	07/07/15 15:42	1
Endrin	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 15:42	1
Endrin ketone	ND		0.050	0.037	ug/L		06/29/15 08:50	07/07/15 15:42	1
Heptachlor	ND		0.050	0.040	ug/L		06/29/15 08:50	07/07/15 15:42	1
Heptachlor epoxide	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 15:42	1
Methoxychlor	ND		0.10	0.037	ug/L		06/29/15 08:50	07/07/15 15:42	1
Toxaphene	ND		4.0	0.74	ug/L		06/29/15 08:50	07/07/15 15:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*76*		*45 - 130*	*06/29/15 08:50*	*07/07/15 15:42*	*1*
Tetrachloro-m-xylene	*70*		*45 - 130*	*06/29/15 08:50*	*07/07/15 15:42*	*1*
DCB Decachlorobiphenyl (Surr)	*81*		*45 - 130*	*06/29/15 08:50*	*07/07/15 15:42*	*1*
DCB Decachlorobiphenyl (Surr)	*77*		*45 - 130*	*06/29/15 08:50*	*07/07/15 15:42*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45395-1

Method: 8081B - Organochlorine Pesticides (GC)

Client Sample ID: WG-9954-062415-SG-019
Date Collected: 06/24/15 14:45
Date Received: 06/25/15 08:45

Lab Sample ID: 180-45395-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.050	0.033	ug/L		06/29/15 08:50	07/07/15 17:16	1
alpha-BHC	**0.047**	**J**	0.050	0.027	ug/L		06/29/15 08:50	07/07/15 17:16	1
beta-BHC	ND		0.050	0.040	ug/L		06/29/15 08:50	07/07/15 17:16	1
delta-BHC	**0.085**		0.050	0.017	ug/L		06/29/15 08:50	07/07/15 17:16	1
gamma-BHC (Lindane)	ND		0.050	0.032	ug/L		06/29/15 08:50	07/07/15 17:16	1
alpha-Chlordane	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 17:16	1
gamma-Chlordane	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 17:16	1
4,4'-DDD	ND		0.050	0.027	ug/L		06/29/15 08:50	07/07/15 17:16	1
4,4'-DDE	ND		0.050	0.032	ug/L		06/29/15 08:50	07/07/15 17:16	1
4,4'-DDT	ND		0.050	0.030	ug/L		06/29/15 08:50	07/07/15 17:16	1
Dieldrin	ND		0.050	0.033	ug/L		06/29/15 08:50	07/07/15 17:16	1
Endosulfan I	ND		0.050	0.038	ug/L		06/29/15 08:50	07/07/15 17:16	1
Endosulfan II	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 17:16	1
Endosulfan sulfate	ND		0.050	0.023	ug/L		06/29/15 08:50	07/07/15 17:16	1
Endrin	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 17:16	1
Endrin ketone	ND		0.050	0.037	ug/L		06/29/15 08:50	07/07/15 17:16	1
Heptachlor	ND		0.050	0.040	ug/L		06/29/15 08:50	07/07/15 17:16	1
Heptachlor epoxide	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 17:16	1
Methoxychlor	ND		0.10	0.037	ug/L		06/29/15 08:50	07/07/15 17:16	1
Toxaphene	ND		4.0	0.74	ug/L		06/29/15 08:50	07/07/15 17:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*82*		*45 - 130*	*06/29/15 08:50*	*07/07/15 17:16*	*1*
Tetrachloro-m-xylene	*77*		*45 - 130*	*06/29/15 08:50*	*07/07/15 17:16*	*1*
DCB Decachlorobiphenyl (Surr)	*84*		*45 - 130*	*06/29/15 08:50*	*07/07/15 17:16*	*1*
DCB Decachlorobiphenyl (Surr)	*83*		*45 - 130*	*06/29/15 08:50*	*07/07/15 17:16*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45395-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: WG-9954-062415-SG-018
Date Collected: 06/24/15 14:45
Date Received: 06/25/15 08:45

Lab Sample ID: 180-45395-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.40	0.10	ug/L		06/29/15 08:50	06/30/15 09:45	1
PCB-1221	ND		0.40	0.16	ug/L		06/29/15 08:50	06/30/15 09:45	1
PCB-1232	ND		0.40	0.16	ug/L		06/29/15 08:50	06/30/15 09:45	1
PCB-1242	ND		0.40	0.074	ug/L		06/29/15 08:50	06/30/15 09:45	1
PCB-1248	ND		0.40	0.11	ug/L		06/29/15 08:50	06/30/15 09:45	1
PCB-1254	ND		0.40	0.12	ug/L		06/29/15 08:50	06/30/15 09:45	1
PCB-1260	ND		0.40	0.068	ug/L		06/29/15 08:50	06/30/15 09:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*88*		*35 - 140*	*06/29/15 08:50*	*06/30/15 09:45*	*1*
Tetrachloro-m-xylene (Surr)	*89*		*35 - 140*	*06/29/15 08:50*	*06/30/15 09:45*	*1*
DCB Decachlorobiphenyl (Surr)	*87*		*35 - 140*	*06/29/15 08:50*	*06/30/15 09:45*	*1*
DCB Decachlorobiphenyl (Surr)	*90*		*35 - 140*	*06/29/15 08:50*	*06/30/15 09:45*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45395-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: WG-9954-062415-SG-015
Date Collected: 06/24/15 14:00
Date Received: 06/25/15 08:45

Lab Sample ID: 180-45395-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.40	0.10	ug/L		06/29/15 08:50	06/30/15 10:04	1
PCB-1221	ND		0.40	0.16	ug/L		06/29/15 08:50	06/30/15 10:04	1
PCB-1232	ND		0.40	0.16	ug/L		06/29/15 08:50	06/30/15 10:04	1
PCB-1242	ND		0.40	0.074	ug/L		06/29/15 08:50	06/30/15 10:04	1
PCB-1248	ND		0.40	0.11	ug/L		06/29/15 08:50	06/30/15 10:04	1
PCB-1254	ND		0.40	0.12	ug/L		06/29/15 08:50	06/30/15 10:04	1
PCB-1260	ND		0.40	0.068	ug/L		06/29/15 08:50	06/30/15 10:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*83*		*35 - 140*	*06/29/15 08:50*	*06/30/15 10:04*	*1*
Tetrachloro-m-xylene (Surr)	*81*		*35 - 140*	*06/29/15 08:50*	*06/30/15 10:04*	*1*
DCB Decachlorobiphenyl (Surr)	*89*		*35 - 140*	*06/29/15 08:50*	*06/30/15 10:04*	*1*
DCB Decachlorobiphenyl (Surr)	*90*		*35 - 140*	*06/29/15 08:50*	*06/30/15 10:04*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45395-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: WG-9954-062415-SG-016
Date Collected: 06/24/15 15:10
Date Received: 06/25/15 08:45

Lab Sample ID: 180-45395-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.40	0.10	ug/L		06/29/15 08:50	06/30/15 11:00	1
PCB-1221	ND		0.40	0.16	ug/L		06/29/15 08:50	06/30/15 11:00	1
PCB-1232	ND		0.40	0.16	ug/L		06/29/15 08:50	06/30/15 11:00	1
PCB-1242	ND		0.40	0.074	ug/L		06/29/15 08:50	06/30/15 11:00	1
PCB-1248	ND		0.40	0.11	ug/L		06/29/15 08:50	06/30/15 11:00	1
PCB-1254	ND		0.40	0.12	ug/L		06/29/15 08:50	06/30/15 11:00	1
PCB-1260	ND		0.40	0.068	ug/L		06/29/15 08:50	06/30/15 11:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*80*		*35 - 140*	*06/29/15 08:50*	*06/30/15 11:00*	*1*
Tetrachloro-m-xylene (Surr)	*76*		*35 - 140*	*06/29/15 08:50*	*06/30/15 11:00*	*1*
DCB Decachlorobiphenyl (Surr)	*90*		*35 - 140*	*06/29/15 08:50*	*06/30/15 11:00*	*1*
DCB Decachlorobiphenyl (Surr)	*91*		*35 - 140*	*06/29/15 08:50*	*06/30/15 11:00*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45395-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: WG-9954-062415-SG-019
Date Collected: 06/24/15 14:45
Date Received: 06/25/15 08:45

Lab Sample ID: 180-45395-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.40	0.10	ug/L		06/29/15 08:50	06/30/15 11:19	1
PCB-1221	ND		0.40	0.16	ug/L		06/29/15 08:50	06/30/15 11:19	1
PCB-1232	ND		0.40	0.16	ug/L		06/29/15 08:50	06/30/15 11:19	1
PCB-1242	ND		0.40	0.074	ug/L		06/29/15 08:50	06/30/15 11:19	1
PCB-1248	ND		0.40	0.11	ug/L		06/29/15 08:50	06/30/15 11:19	1
PCB-1254	ND		0.40	0.12	ug/L		06/29/15 08:50	06/30/15 11:19	1
PCB-1260	ND		0.40	0.068	ug/L		06/29/15 08:50	06/30/15 11:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*118*		*35 - 140*	*06/29/15 08:50*	*06/30/15 11:19*	*1*
Tetrachloro-m-xylene (Surr)	*107*		*35 - 140*	*06/29/15 08:50*	*06/30/15 11:19*	*1*
DCB Decachlorobiphenyl (Surr)	*93*		*35 - 140*	*06/29/15 08:50*	*06/30/15 11:19*	*1*
DCB Decachlorobiphenyl (Surr)	*93*		*35 - 140*	*06/29/15 08:50*	*06/30/15 11:19*	*1*

CHAIN-OF-CUSTODY/Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Client Information	
GLEN SPRINGS HOLDINGS INC	Report To: Susan Scrocchi
805 97TH STREET	Copy To:
LOVE CANAL	
NIAGARA FALLS, NEW YORK 14304	Invoice To:
Phone: 716-283-0111	PO:
Fax: 716-283-2856	Project Name: LOVE CANAL ANNUAL GW
Email: sscrocchi@craworld.com	Project Number: 9954

Lab Information
Laboratory: TEST AMERICA PITTSBURGH
Laboratory Location: 301 ALPHA DRIVE PITTSBURGH, PA 15238
Laboratory Contact: JILL COLUSSY
Requested Due Date: TAT: 10
QA/QC Requirements:

Event Information
ID#: LC ANNUAL GW SAMPLING-04-1
SSOW Ref#:
Sampler Name: SHAWN GARDNER

Valid Matrix Code
WG Groundwater
WB Borehole Water
WS Surface Water
SO Soil
SE Sediment

Sample Condition	
Temp in C	
Received on ice	Y/N
Sealed Cooler	Y/N
Samples Intact	Y/N

180-45395 Chain of Custody

Sample Identification	Matrix Code	Date Collected	Time Collected	PestPCBs(None)	SVOC(none)	VOA(HCl)	Remarks
WG-9954-062415-SG-018	WG	06/24/2015	14:45	4	2	3	
WG-9954-062415-SG-015	WG	06/24/2015	14:00	12	6	9	MS/MSD
WG-9954-062415-SG-016	WG	06/24/2015	15:10	4	2	3	
LCTRIP-062415-SG	WG Q	06/24/2015	00:00	-	-	3	
WG-9954-062415-SG-019	WG	06/24/2015	14:45	4	2	3	
Total Bottles				**24**	**12**	**21**	**Grand Total:57**

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY:	DATE	TIME	RECIEVED BY:	DATE	TIME
FedEx	2	Shawn Gardner	6/24/15	1630	Denise Watson	6-25-15	8:45
AIRBILL#:							

ANALYTICAL REPORT

Job Number: 180-45456-1

Job Description: 9954, Love Canal Annual

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

Attention: Ms. Sue Scrocchi

Approved for release.
Jill L Colussy
Project Manager I
7/20/2015 3:46 PM

Jill L Colussy, Project Manager I
301 Alpha Drive, Pittsburgh, PA, 15238
(412)963-2444
jill.colussy@testamericainc.com
07/20/2015

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
E	Result exceeded calibration range.

GC/MS VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	Presumptive evidence of material.
T	Result is a tentatively identified compound (TIC) and an estimated value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits
E	Result exceeded calibration range.
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
T	Result is a tentatively identified compound (TIC) and an estimated value.
N	Presumptive evidence of material.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
X	Surrogate is outside control limits

Glossary

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

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Detection Summary

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45456-1

Client Sample ID: LCTRIP-062515-SG — Lab Sample ID: 180-45456-1

No Detections.

Client Sample ID: RB-9954-062515-SG-026 — Lab Sample ID: 180-45456-2

No Detections.

Client Sample ID: WG-9954-062515-SG-017 — Lab Sample ID: 180-45456-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	8.0	J	19	4.1	ug/L	1		8270D	Total/NA

Client Sample ID: WG-9954-062515-SG-020 — Lab Sample ID: 180-45456-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	7.9	J	19	4.1	ug/L	1		8270D	Total/NA

Client Sample ID: WG-9954-062515-SG-021 — Lab Sample ID: 180-45456-5

No Detections.

Client Sample ID: WG-9954-062515-SG-022 — Lab Sample ID: 180-45456-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	8.3	J	19	4.1	ug/L	1		8270D	Total/NA
4,4'-DDD	0.045	J	0.050	0.027	ug/L	1		8081B	Total/NA

Client Sample ID: WG-9954-062515-SG-023 — Lab Sample ID: 180-45456-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	6200		500	99	ug/L	100		8260C	Total/NA
Chlorobenzene	2600		500	53	ug/L	100		8260C	Total/NA
Chloroform	180	J	500	100	ug/L	100		8260C	Total/NA
Methylene Chloride	150	J	500	110	ug/L	100		8260C	Total/NA
Toluene	17000	E	500	85	ug/L	100		8260C	Total/NA
Trichloroethene	110	J	500	80	ug/L	100		8260C	Total/NA
Benzene - DL	5600		2500	490	ug/L	500		8260C	Total/NA
Chlorobenzene - DL	2100	J	2500	260	ug/L	500		8260C	Total/NA
Toluene - DL	20000		2500	420	ug/L	500		8260C	Total/NA
Benzoic acid	14000	E	1200	380	ug/L	25		8270D	Total/NA
Benzyl alcohol	250		230	46	ug/L	25		8270D	Total/NA
Bis(2-chloroethyl)ether	27	J	230	7.3	ug/L	25		8270D	Total/NA
1,2-Dichlorobenzene	47	J	230	25	ug/L	25		8270D	Total/NA
2,4-Dichlorophenol	790		230	16	ug/L	25		8270D	Total/NA
2-Methylphenol	44	J	230	43	ug/L	25		8270D	Total/NA
4-Methylphenol	93	J	230	48	ug/L	25		8270D	Total/NA
Phenol	87	J	230	13	ug/L	25		8270D	Total/NA
Benzoic acid - DL	16000		4600	1500	ug/L	100		8270D	Total/NA
Benzyl alcohol - DL	360	J	930	180	ug/L	100		8270D	Total/NA
2,4-Dichlorophenol - DL	950		930	62	ug/L	100		8270D	Total/NA
Phenol - DL	100	J	930	51	ug/L	100		8270D	Total/NA
1,2,4-Trichlorobenzene - DL	80	J	930	79	ug/L	100		8270D	Total/NA
Aldrin	0.080	p	0.050	0.033	ug/L	1		8081B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: WG-9954-062515-SG-023 (Continued) — Lab Sample ID: 180-45456-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
beta-BHC	4.7		0.050	0.040	ug/L	1		8081B	Total/NA
delta-BHC	7.4		0.050	0.017	ug/L	1		8081B	Total/NA
gamma-BHC (Lindane)	3.2		0.050	0.032	ug/L	1		8081B	Total/NA
gamma-Chlordane	1.1	p	0.050	0.039	ug/L	1		8081B	Total/NA
4,4'-DDD	0.40	p	0.050	0.027	ug/L	1		8081B	Total/NA
4,4'-DDE	0.033	J p	0.050	0.032	ug/L	1		8081B	Total/NA
Endosulfan I	0.066	p	0.050	0.038	ug/L	1		8081B	Total/NA
Endosulfan sulfate	0.035	J	0.050	0.023	ug/L	1		8081B	Total/NA
Endrin	1.4		0.050	0.039	ug/L	1		8081B	Total/NA
Heptachlor	0.38	p	0.050	0.040	ug/L	1		8081B	Total/NA
Heptachlor epoxide	0.097	p	0.050	0.039	ug/L	1		8081B	Total/NA
alpha-BHC - DL	20		0.25	0.13	ug/L	5		8081B	Total/NA

Client Sample ID: WG-9954-062515-SG-024 — Lab Sample ID: 180-45456-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
delta-BHC	0.043	J p	0.050	0.017	ug/L	1		8081B	Total/NA
Endosulfan II	0.089	p	0.050	0.039	ug/L	1		8081B	Total/NA
Endosulfan sulfate	0.031	J p	0.050	0.023	ug/L	1		8081B	Total/NA

Client Sample ID: WG-9954-062515-SG-025 — Lab Sample ID: 180-45456-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	2.9	J	5.0	1.1	ug/L	1		8260C	Total/NA
4,4'-DDD	0.027	J p	0.050	0.027	ug/L	1		8081B	Total/NA

Client Sample ID: WG-9954-062515-SG-027 — Lab Sample ID: 180-45456-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diethyl phthalate	2.7	J	9.3	2.7	ug/L	1		8270D	Total/NA
alpha-BHC	0.30		0.050	0.027	ug/L	1		8081B	Total/NA
delta-BHC	0.14		0.050	0.017	ug/L	1		8081B	Total/NA
gamma-BHC (Lindane)	0.26		0.050	0.032	ug/L	1		8081B	Total/NA
Methoxychlor	0.039	J p	0.10	0.037	ug/L	1		8081B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45456-1

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

Client Sample ID: LCTRIP-062515-SG
Date Collected: 06/25/15 11:00
Date Received: 06/26/15 09:00

Lab Sample ID: 180-45456-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	1.0	ug/L			06/30/15 19:56	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.93	ug/L			06/30/15 19:56	1
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			06/30/15 19:56	1
1,1-Dichloroethane	ND		5.0	1.0	ug/L			06/30/15 19:56	1
1,1-Dichloroethene	ND	*	5.0	1.1	ug/L			06/30/15 19:56	1
1,2-Dichloroethane	ND		5.0	0.96	ug/L			06/30/15 19:56	1
1,2-Dichloropropane	ND		5.0	1.3	ug/L			06/30/15 19:56	1
2-Butanone (MEK)	ND		5.0	1.1	ug/L			06/30/15 19:56	1
2-Hexanone	ND		5.0	0.57	ug/L			06/30/15 19:56	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.59	ug/L			06/30/15 19:56	1
Acetone	ND		20	5.0	ug/L			06/30/15 19:56	1
Benzene	ND		5.0	0.99	ug/L			06/30/15 19:56	1
Bromodichloromethane	ND		5.0	0.93	ug/L			06/30/15 19:56	1
Bromoform	ND		5.0	1.1	ug/L			06/30/15 19:56	1
Bromomethane	ND		5.0	1.6	ug/L			06/30/15 19:56	1
Carbon disulfide	ND		5.0	1.1	ug/L			06/30/15 19:56	1
Carbon tetrachloride	ND		5.0	1.1	ug/L			06/30/15 19:56	1
Chlorobenzene	ND		5.0	0.53	ug/L			06/30/15 19:56	1
Chloroethane	ND		5.0	0.75	ug/L			06/30/15 19:56	1
Chloroform	ND		5.0	1.0	ug/L			06/30/15 19:56	1
Chloromethane	ND		5.0	1.4	ug/L			06/30/15 19:56	1
cis-1,2-Dichloroethene	ND		5.0	0.67	ug/L			06/30/15 19:56	1
cis-1,3-Dichloropropene	ND		5.0	0.73	ug/L			06/30/15 19:56	1
Dibromochloromethane	ND		5.0	0.65	ug/L			06/30/15 19:56	1
Ethylbenzene	ND		5.0	0.62	ug/L			06/30/15 19:56	1
Methylene Chloride	ND		5.0	1.1	ug/L			06/30/15 19:56	1
Styrene	ND		5.0	0.64	ug/L			06/30/15 19:56	1
Tetrachloroethene	ND		5.0	0.82	ug/L			06/30/15 19:56	1
Toluene	ND		5.0	0.85	ug/L			06/30/15 19:56	1
trans-1,2-Dichloroethene	ND		5.0	0.75	ug/L			06/30/15 19:56	1
trans-1,3-Dichloropropene	ND		5.0	0.58	ug/L			06/30/15 19:56	1
Trichloroethene	ND		5.0	0.80	ug/L			06/30/15 19:56	1
Vinyl acetate	ND	*	5.0	0.86	ug/L			06/30/15 19:56	1
Vinyl chloride	ND		5.0	1.3	ug/L			06/30/15 19:56	1
Xylenes, Total	ND		10	1.7	ug/L			06/30/15 19:56	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*06/30/15 19:56*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*80*		*62 - 123*		*06/30/15 19:56*	*1*
4-Bromofluorobenzene (Surr)	*85*		*75 - 120*		*06/30/15 19:56*	*1*
Dibromofluoromethane (Surr)	*94*		*80 - 120*		*06/30/15 19:56*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*06/30/15 19:56*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45456-1

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

Client Sample ID: RB-9954-062515-SG-026
Date Collected: 06/25/15 14:20
Date Received: 06/26/15 09:00

Lab Sample ID: 180-45456-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	1.0	ug/L			06/30/15 20:21	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.93	ug/L			06/30/15 20:21	1
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			06/30/15 20:21	1
1,1-Dichloroethane	ND		5.0	1.0	ug/L			06/30/15 20:21	1
1,1-Dichloroethene	ND	*	5.0	1.1	ug/L			06/30/15 20:21	1
1,2-Dichloroethane	ND		5.0	0.96	ug/L			06/30/15 20:21	1
1,2-Dichloropropane	ND		5.0	1.3	ug/L			06/30/15 20:21	1
2-Butanone (MEK)	ND		5.0	1.1	ug/L			06/30/15 20:21	1
2-Hexanone	ND		5.0	0.57	ug/L			06/30/15 20:21	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.59	ug/L			06/30/15 20:21	1
Acetone	ND		20	5.0	ug/L			06/30/15 20:21	1
Benzene	ND		5.0	0.99	ug/L			06/30/15 20:21	1
Bromodichloromethane	ND		5.0	0.93	ug/L			06/30/15 20:21	1
Bromoform	ND		5.0	1.1	ug/L			06/30/15 20:21	1
Bromomethane	ND		5.0	1.6	ug/L			06/30/15 20:21	1
Carbon disulfide	ND		5.0	1.1	ug/L			06/30/15 20:21	1
Carbon tetrachloride	ND		5.0	1.1	ug/L			06/30/15 20:21	1
Chlorobenzene	ND		5.0	0.53	ug/L			06/30/15 20:21	1
Chloroethane	ND		5.0	0.75	ug/L			06/30/15 20:21	1
Chloroform	ND		5.0	1.0	ug/L			06/30/15 20:21	1
Chloromethane	ND		5.0	1.4	ug/L			06/30/15 20:21	1
cis-1,2-Dichloroethene	ND		5.0	0.67	ug/L			06/30/15 20:21	1
cis-1,3-Dichloropropene	ND		5.0	0.73	ug/L			06/30/15 20:21	1
Dibromochloromethane	ND		5.0	0.65	ug/L			06/30/15 20:21	1
Ethylbenzene	ND		5.0	0.62	ug/L			06/30/15 20:21	1
Methylene Chloride	ND		5.0	1.1	ug/L			06/30/15 20:21	1
Styrene	ND		5.0	0.64	ug/L			06/30/15 20:21	1
Tetrachloroethene	ND		5.0	0.82	ug/L			06/30/15 20:21	1
Toluene	ND		5.0	0.85	ug/L			06/30/15 20:21	1
trans-1,2-Dichloroethene	ND		5.0	0.75	ug/L			06/30/15 20:21	1
trans-1,3-Dichloropropene	ND		5.0	0.58	ug/L			06/30/15 20:21	1
Trichloroethene	ND		5.0	0.80	ug/L			06/30/15 20:21	1
Vinyl acetate	ND	*	5.0	0.86	ug/L			06/30/15 20:21	1
Vinyl chloride	ND		5.0	1.3	ug/L			06/30/15 20:21	1
Xylenes, Total	ND		10	1.7	ug/L			06/30/15 20:21	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*06/30/15 20:21*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*85*		*62 - 123*		*06/30/15 20:21*	*1*
4-Bromofluorobenzene (Surr)	*87*		*75 - 120*		*06/30/15 20:21*	*1*
Dibromofluoromethane (Surr)	*96*		*80 - 120*		*06/30/15 20:21*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*06/30/15 20:21*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45456-1

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

Client Sample ID: WG-9954-062515-SG-017
Date Collected: 06/25/15 11:00
Date Received: 06/26/15 09:00

Lab Sample ID: 180-45456-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	1.0	ug/L			07/01/15 19:16	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.93	ug/L			07/01/15 19:16	1
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			07/01/15 19:16	1
1,1-Dichloroethane	ND		5.0	1.0	ug/L			07/01/15 19:16	1
1,1-Dichloroethene	ND		5.0	1.1	ug/L			07/01/15 19:16	1
1,2-Dichloroethane	ND		5.0	0.96	ug/L			07/01/15 19:16	1
1,2-Dichloropropane	ND		5.0	1.3	ug/L			07/01/15 19:16	1
2-Butanone (MEK)	ND		5.0	1.1	ug/L			07/01/15 19:16	1
2-Hexanone	ND		5.0	0.57	ug/L			07/01/15 19:16	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.59	ug/L			07/01/15 19:16	1
Acetone	ND		20	5.0	ug/L			07/01/15 19:16	1
Benzene	ND		5.0	0.99	ug/L			07/01/15 19:16	1
Bromodichloromethane	ND		5.0	0.93	ug/L			07/01/15 19:16	1
Bromoform	ND		5.0	1.1	ug/L			07/01/15 19:16	1
Bromomethane	ND		5.0	1.6	ug/L			07/01/15 19:16	1
Carbon disulfide	ND		5.0	1.1	ug/L			07/01/15 19:16	1
Carbon tetrachloride	ND		5.0	1.1	ug/L			07/01/15 19:16	1
Chlorobenzene	ND		5.0	0.53	ug/L			07/01/15 19:16	1
Chloroethane	ND		5.0	0.75	ug/L			07/01/15 19:16	1
Chloroform	ND		5.0	1.0	ug/L			07/01/15 19:16	1
Chloromethane	ND		5.0	1.4	ug/L			07/01/15 19:16	1
cis-1,2-Dichloroethene	ND		5.0	0.67	ug/L			07/01/15 19:16	1
cis-1,3-Dichloropropene	ND		5.0	0.73	ug/L			07/01/15 19:16	1
Dibromochloromethane	ND		5.0	0.65	ug/L			07/01/15 19:16	1
Ethylbenzene	ND		5.0	0.62	ug/L			07/01/15 19:16	1
Methylene Chloride	ND		5.0	1.1	ug/L			07/01/15 19:16	1
Styrene	ND		5.0	0.64	ug/L			07/01/15 19:16	1
Tetrachloroethene	ND		5.0	0.82	ug/L			07/01/15 19:16	1
Toluene	ND		5.0	0.85	ug/L			07/01/15 19:16	1
trans-1,2-Dichloroethene	ND		5.0	0.75	ug/L			07/01/15 19:16	1
trans-1,3-Dichloropropene	ND		5.0	0.58	ug/L			07/01/15 19:16	1
Trichloroethene	ND		5.0	0.80	ug/L			07/01/15 19:16	1
Vinyl acetate	ND	*	5.0	0.86	ug/L			07/01/15 19:16	1
Vinyl chloride	ND		5.0	1.3	ug/L			07/01/15 19:16	1
Xylenes, Total	ND		10	1.7	ug/L			07/01/15 19:16	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*07/01/15 19:16*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*84*		*62 - 123*		*07/01/15 19:16*	*1*
4-Bromofluorobenzene (Surr)	*88*		*75 - 120*		*07/01/15 19:16*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*07/01/15 19:16*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*07/01/15 19:16*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45456-1

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

Client Sample ID: WG-9954-062515-SG-020
Date Collected: 06/25/15 12:10
Date Received: 06/26/15 09:00

Lab Sample ID: 180-45456-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	1.0	ug/L			07/01/15 19:40	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.93	ug/L			07/01/15 19:40	1
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			07/01/15 19:40	1
1,1-Dichloroethane	ND		5.0	1.0	ug/L			07/01/15 19:40	1
1,1-Dichloroethene	ND		5.0	1.1	ug/L			07/01/15 19:40	1
1,2-Dichloroethane	ND		5.0	0.96	ug/L			07/01/15 19:40	1
1,2-Dichloropropane	ND		5.0	1.3	ug/L			07/01/15 19:40	1
2-Butanone (MEK)	ND		5.0	1.1	ug/L			07/01/15 19:40	1
2-Hexanone	ND		5.0	0.57	ug/L			07/01/15 19:40	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.59	ug/L			07/01/15 19:40	1
Acetone	ND		20	5.0	ug/L			07/01/15 19:40	1
Benzene	ND		5.0	0.99	ug/L			07/01/15 19:40	1
Bromodichloromethane	ND		5.0	0.93	ug/L			07/01/15 19:40	1
Bromoform	ND		5.0	1.1	ug/L			07/01/15 19:40	1
Bromomethane	ND		5.0	1.6	ug/L			07/01/15 19:40	1
Carbon disulfide	ND		5.0	1.1	ug/L			07/01/15 19:40	1
Carbon tetrachloride	ND		5.0	1.1	ug/L			07/01/15 19:40	1
Chlorobenzene	ND		5.0	0.53	ug/L			07/01/15 19:40	1
Chloroethane	ND		5.0	0.75	ug/L			07/01/15 19:40	1
Chloroform	ND		5.0	1.0	ug/L			07/01/15 19:40	1
Chloromethane	ND		5.0	1.4	ug/L			07/01/15 19:40	1
cis-1,2-Dichloroethene	ND		5.0	0.67	ug/L			07/01/15 19:40	1
cis-1,3-Dichloropropene	ND		5.0	0.73	ug/L			07/01/15 19:40	1
Dibromochloromethane	ND		5.0	0.65	ug/L			07/01/15 19:40	1
Ethylbenzene	ND		5.0	0.62	ug/L			07/01/15 19:40	1
Methylene Chloride	ND		5.0	1.1	ug/L			07/01/15 19:40	1
Styrene	ND		5.0	0.64	ug/L			07/01/15 19:40	1
Tetrachloroethene	ND		5.0	0.82	ug/L			07/01/15 19:40	1
Toluene	ND		5.0	0.85	ug/L			07/01/15 19:40	1
trans-1,2-Dichloroethene	ND		5.0	0.75	ug/L			07/01/15 19:40	1
trans-1,3-Dichloropropene	ND		5.0	0.58	ug/L			07/01/15 19:40	1
Trichloroethene	ND		5.0	0.80	ug/L			07/01/15 19:40	1
Vinyl acetate	ND	*	5.0	0.86	ug/L			07/01/15 19:40	1
Vinyl chloride	ND		5.0	1.3	ug/L			07/01/15 19:40	1
Xylenes, Total	ND		10	1.7	ug/L			07/01/15 19:40	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*07/01/15 19:40*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*62 - 123*		*07/01/15 19:40*	*1*
4-Bromofluorobenzene (Surr)	*92*		*75 - 120*		*07/01/15 19:40*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*07/01/15 19:40*	*1*
Toluene-d8 (Surr)	*109*		*80 - 120*		*07/01/15 19:40*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45456-1

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

Client Sample ID: WG-9954-062515-SG-021
Date Collected: 06/25/15 12:35
Date Received: 06/26/15 09:00

Lab Sample ID: 180-45456-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	1.0	ug/L			07/01/15 20:05	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.93	ug/L			07/01/15 20:05	1
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			07/01/15 20:05	1
1,1-Dichloroethane	ND		5.0	1.0	ug/L			07/01/15 20:05	1
1,1-Dichloroethene	ND		5.0	1.1	ug/L			07/01/15 20:05	1
1,2-Dichloroethane	ND		5.0	0.96	ug/L			07/01/15 20:05	1
1,2-Dichloropropane	ND		5.0	1.3	ug/L			07/01/15 20:05	1
2-Butanone (MEK)	ND		5.0	1.1	ug/L			07/01/15 20:05	1
2-Hexanone	ND		5.0	0.57	ug/L			07/01/15 20:05	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.59	ug/L			07/01/15 20:05	1
Acetone	ND		20	5.0	ug/L			07/01/15 20:05	1
Benzene	ND		5.0	0.99	ug/L			07/01/15 20:05	1
Bromodichloromethane	ND		5.0	0.93	ug/L			07/01/15 20:05	1
Bromoform	ND		5.0	1.1	ug/L			07/01/15 20:05	1
Bromomethane	ND		5.0	1.6	ug/L			07/01/15 20:05	1
Carbon disulfide	ND		5.0	1.1	ug/L			07/01/15 20:05	1
Carbon tetrachloride	ND		5.0	1.1	ug/L			07/01/15 20:05	1
Chlorobenzene	ND		5.0	0.53	ug/L			07/01/15 20:05	1
Chloroethane	ND		5.0	0.75	ug/L			07/01/15 20:05	1
Chloroform	ND		5.0	1.0	ug/L			07/01/15 20:05	1
Chloromethane	ND		5.0	1.4	ug/L			07/01/15 20:05	1
cis-1,2-Dichloroethene	ND		5.0	0.67	ug/L			07/01/15 20:05	1
cis-1,3-Dichloropropene	ND		5.0	0.73	ug/L			07/01/15 20:05	1
Dibromochloromethane	ND		5.0	0.65	ug/L			07/01/15 20:05	1
Ethylbenzene	ND		5.0	0.62	ug/L			07/01/15 20:05	1
Methylene Chloride	ND		5.0	1.1	ug/L			07/01/15 20:05	1
Styrene	ND		5.0	0.64	ug/L			07/01/15 20:05	1
Tetrachloroethene	ND		5.0	0.82	ug/L			07/01/15 20:05	1
Toluene	ND		5.0	0.85	ug/L			07/01/15 20:05	1
trans-1,2-Dichloroethene	ND		5.0	0.75	ug/L			07/01/15 20:05	1
trans-1,3-Dichloropropene	ND		5.0	0.58	ug/L			07/01/15 20:05	1
Trichloroethene	ND		5.0	0.80	ug/L			07/01/15 20:05	1
Vinyl acetate	ND	*	5.0	0.86	ug/L			07/01/15 20:05	1
Vinyl chloride	ND		5.0	1.3	ug/L			07/01/15 20:05	1
Xylenes, Total	ND		10	1.7	ug/L			07/01/15 20:05	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*07/01/15 20:05*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*62 - 123*		*07/01/15 20:05*	*1*
4-Bromofluorobenzene (Surr)	*96*		*75 - 120*		*07/01/15 20:05*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*07/01/15 20:05*	*1*
Toluene-d8 (Surr)	*114*		*80 - 120*		*07/01/15 20:05*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45456-1

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

Client Sample ID: WG-9954-062515-SG-022
Date Collected: 06/25/15 13:35
Date Received: 06/26/15 09:00

Lab Sample ID: 180-45456-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	1.0	ug/L			07/01/15 20:30	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.93	ug/L			07/01/15 20:30	1
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			07/01/15 20:30	1
1,1-Dichloroethane	ND		5.0	1.0	ug/L			07/01/15 20:30	1
1,1-Dichloroethene	ND		5.0	1.1	ug/L			07/01/15 20:30	1
1,2-Dichloroethane	ND		5.0	0.96	ug/L			07/01/15 20:30	1
1,2-Dichloropropane	ND		5.0	1.3	ug/L			07/01/15 20:30	1
2-Butanone (MEK)	ND		5.0	1.1	ug/L			07/01/15 20:30	1
2-Hexanone	ND		5.0	0.57	ug/L			07/01/15 20:30	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.59	ug/L			07/01/15 20:30	1
Acetone	ND		20	5.0	ug/L			07/01/15 20:30	1
Benzene	ND		5.0	0.99	ug/L			07/01/15 20:30	1
Bromodichloromethane	ND		5.0	0.93	ug/L			07/01/15 20:30	1
Bromoform	ND		5.0	1.1	ug/L			07/01/15 20:30	1
Bromomethane	ND		5.0	1.6	ug/L			07/01/15 20:30	1
Carbon disulfide	ND		5.0	1.1	ug/L			07/01/15 20:30	1
Carbon tetrachloride	ND		5.0	1.1	ug/L			07/01/15 20:30	1
Chlorobenzene	ND		5.0	0.53	ug/L			07/01/15 20:30	1
Chloroethane	ND		5.0	0.75	ug/L			07/01/15 20:30	1
Chloroform	ND		5.0	1.0	ug/L			07/01/15 20:30	1
Chloromethane	ND		5.0	1.4	ug/L			07/01/15 20:30	1
cis-1,2-Dichloroethene	ND		5.0	0.67	ug/L			07/01/15 20:30	1
cis-1,3-Dichloropropene	ND		5.0	0.73	ug/L			07/01/15 20:30	1
Dibromochloromethane	ND		5.0	0.65	ug/L			07/01/15 20:30	1
Ethylbenzene	ND		5.0	0.62	ug/L			07/01/15 20:30	1
Methylene Chloride	ND		5.0	1.1	ug/L			07/01/15 20:30	1
Styrene	ND		5.0	0.64	ug/L			07/01/15 20:30	1
Tetrachloroethene	ND		5.0	0.82	ug/L			07/01/15 20:30	1
Toluene	ND		5.0	0.85	ug/L			07/01/15 20:30	1
trans-1,2-Dichloroethene	ND		5.0	0.75	ug/L			07/01/15 20:30	1
trans-1,3-Dichloropropene	ND		5.0	0.58	ug/L			07/01/15 20:30	1
Trichloroethene	ND		5.0	0.80	ug/L			07/01/15 20:30	1
Vinyl acetate	ND	*	5.0	0.86	ug/L			07/01/15 20:30	1
Vinyl chloride	ND		5.0	1.3	ug/L			07/01/15 20:30	1
Xylenes, Total	ND		10	1.7	ug/L			07/01/15 20:30	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*07/01/15 20:30*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*86*		*62 - 123*		*07/01/15 20:30*	*1*
4-Bromofluorobenzene (Surr)	*86*		*75 - 120*		*07/01/15 20:30*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*07/01/15 20:30*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*07/01/15 20:30*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45456-1

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

Client Sample ID: WG-9954-062515-SG-023
Date Collected: 06/25/15 14:20
Date Received: 06/26/15 09:00

Lab Sample ID: 180-45456-7
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		500	100	ug/L			07/02/15 18:01	100
1,1,2,2-Tetrachloroethane	ND		500	93	ug/L			07/02/15 18:01	100
1,1,2-Trichloroethane	ND		500	120	ug/L			07/02/15 18:01	100
1,1-Dichloroethane	ND		500	100	ug/L			07/02/15 18:01	100
1,1-Dichloroethene	ND		500	110	ug/L			07/02/15 18:01	100
1,2-Dichloroethane	ND		500	96	ug/L			07/02/15 18:01	100
1,2-Dichloropropane	ND		500	130	ug/L			07/02/15 18:01	100
2-Butanone (MEK)	ND		500	110	ug/L			07/02/15 18:01	100
2-Hexanone	ND		500	57	ug/L			07/02/15 18:01	100
4-Methyl-2-pentanone (MIBK)	ND		500	59	ug/L			07/02/15 18:01	100
Acetone	ND		2000	500	ug/L			07/02/15 18:01	100
Benzene	**6200**		500	99	ug/L			07/02/15 18:01	100
Bromodichloromethane	ND		500	93	ug/L			07/02/15 18:01	100
Bromoform	ND		500	110	ug/L			07/02/15 18:01	100
Bromomethane	ND		500	160	ug/L			07/02/15 18:01	100
Carbon disulfide	ND		500	110	ug/L			07/02/15 18:01	100
Carbon tetrachloride	ND		500	110	ug/L			07/02/15 18:01	100
Chlorobenzene	**2600**		500	53	ug/L			07/02/15 18:01	100
Chloroethane	ND		500	75	ug/L			07/02/15 18:01	100
Chloroform	**180**	**J**	500	100	ug/L			07/02/15 18:01	100
Chloromethane	ND		500	140	ug/L			07/02/15 18:01	100
cis-1,2-Dichloroethene	ND		500	67	ug/L			07/02/15 18:01	100
cis-1,3-Dichloropropene	ND		500	73	ug/L			07/02/15 18:01	100
Dibromochloromethane	ND		500	65	ug/L			07/02/15 18:01	100
Ethylbenzene	ND		500	62	ug/L			07/02/15 18:01	100
Methylene Chloride	**150**	**J**	500	110	ug/L			07/02/15 18:01	100
Styrene	ND		500	64	ug/L			07/02/15 18:01	100
Tetrachloroethene	ND		500	82	ug/L			07/02/15 18:01	100
Toluene	**17000**	**E**	500	85	ug/L			07/02/15 18:01	100
trans-1,2-Dichloroethene	ND		500	75	ug/L			07/02/15 18:01	100
trans-1,3-Dichloropropene	ND		500	58	ug/L			07/02/15 18:01	100
Trichloroethene	**110**	**J**	500	80	ug/L			07/02/15 18:01	100
Vinyl acetate	ND		500	86	ug/L			07/02/15 18:01	100
Vinyl chloride	ND		500	130	ug/L			07/02/15 18:01	100
Xylenes, Total	ND		1000	170	ug/L			07/02/15 18:01	100

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Benzene, 1-chloro-2-methyl-	*18000*	*T J N*	*ug/L*		*10.97*	*95-49-8*		*07/02/15 18:01*	*100*
Benzene, 1-chloro-4-methyl-	*8700*	*T J N*	*ug/L*		*11.09*	*106-43-4*		*07/02/15 18:01*	*100*
Unknown Benzene Derivative	*1300*	*T J*	*ug/L*		*13.10*			*07/02/15 18:01*	*100*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*85*		*62 - 123*		*07/02/15 18:01*	*100*
4-Bromofluorobenzene (Surr)	*96*		*75 - 120*		*07/02/15 18:01*	*100*
Dibromofluoromethane (Surr)	*104*		*80 - 120*		*07/02/15 18:01*	*100*
Toluene-d8 (Surr)	*105*		*80 - 120*		*07/02/15 18:01*	*100*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45456-1

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

Client Sample ID: WG-9954-062515-SG-024
Date Collected: 06/25/15 12:10
Date Received: 06/26/15 09:00

Lab Sample ID: 180-45456-8
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	1.0	ug/L			07/02/15 17:36	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.93	ug/L			07/02/15 17:36	1
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			07/02/15 17:36	1
1,1-Dichloroethane	ND		5.0	1.0	ug/L			07/02/15 17:36	1
1,1-Dichloroethene	ND		5.0	1.1	ug/L			07/02/15 17:36	1
1,2-Dichloroethane	ND		5.0	0.96	ug/L			07/02/15 17:36	1
1,2-Dichloropropane	ND		5.0	1.3	ug/L			07/02/15 17:36	1
2-Butanone (MEK)	ND		5.0	1.1	ug/L			07/02/15 17:36	1
2-Hexanone	ND		5.0	0.57	ug/L			07/02/15 17:36	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.59	ug/L			07/02/15 17:36	1
Acetone	ND		20	5.0	ug/L			07/02/15 17:36	1
Benzene	ND		5.0	0.99	ug/L			07/02/15 17:36	1
Bromodichloromethane	ND		5.0	0.93	ug/L			07/02/15 17:36	1
Bromoform	ND		5.0	1.1	ug/L			07/02/15 17:36	1
Bromomethane	ND		5.0	1.6	ug/L			07/02/15 17:36	1
Carbon disulfide	ND		5.0	1.1	ug/L			07/02/15 17:36	1
Carbon tetrachloride	ND		5.0	1.1	ug/L			07/02/15 17:36	1
Chlorobenzene	ND		5.0	0.53	ug/L			07/02/15 17:36	1
Chloroethane	ND		5.0	0.75	ug/L			07/02/15 17:36	1
Chloroform	ND		5.0	1.0	ug/L			07/02/15 17:36	1
Chloromethane	ND		5.0	1.4	ug/L			07/02/15 17:36	1
cis-1,2-Dichloroethene	ND		5.0	0.67	ug/L			07/02/15 17:36	1
cis-1,3-Dichloropropene	ND		5.0	0.73	ug/L			07/02/15 17:36	1
Dibromochloromethane	ND		5.0	0.65	ug/L			07/02/15 17:36	1
Ethylbenzene	ND		5.0	0.62	ug/L			07/02/15 17:36	1
Methylene Chloride	ND		5.0	1.1	ug/L			07/02/15 17:36	1
Styrene	ND		5.0	0.64	ug/L			07/02/15 17:36	1
Tetrachloroethene	ND		5.0	0.82	ug/L			07/02/15 17:36	1
Toluene	ND		5.0	0.85	ug/L			07/02/15 17:36	1
trans-1,2-Dichloroethene	ND		5.0	0.75	ug/L			07/02/15 17:36	1
trans-1,3-Dichloropropene	ND		5.0	0.58	ug/L			07/02/15 17:36	1
Trichloroethene	ND		5.0	0.80	ug/L			07/02/15 17:36	1
Vinyl acetate	ND		5.0	0.86	ug/L			07/02/15 17:36	1
Vinyl chloride	ND		5.0	1.3	ug/L			07/02/15 17:36	1
Xylenes, Total	ND		10	1.7	ug/L			07/02/15 17:36	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Sulfur dioxide	*41*	*T J N*	*ug/L*		*1.36*	*7446-09-5*		*07/02/15 17:36*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*82*		*62 - 123*		*07/02/15 17:36*	*1*
4-Bromofluorobenzene (Surr)	*87*		*75 - 120*		*07/02/15 17:36*	*1*
Dibromofluoromethane (Surr)	*98*		*80 - 120*		*07/02/15 17:36*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*07/02/15 17:36*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45456-1

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

Client Sample ID: WG-9954-062515-SG-025
Date Collected: 06/25/15 13:30
Date Received: 06/26/15 09:00

Lab Sample ID: 180-45456-9
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	1.0	ug/L			07/02/15 17:11	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.93	ug/L			07/02/15 17:11	1
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			07/02/15 17:11	1
1,1-Dichloroethane	ND		5.0	1.0	ug/L			07/02/15 17:11	1
1,1-Dichloroethene	ND		5.0	1.1	ug/L			07/02/15 17:11	1
1,2-Dichloroethane	ND		5.0	0.96	ug/L			07/02/15 17:11	1
1,2-Dichloropropane	ND		5.0	1.3	ug/L			07/02/15 17:11	1
2-Butanone (MEK)	ND		5.0	1.1	ug/L			07/02/15 17:11	1
2-Hexanone	ND		5.0	0.57	ug/L			07/02/15 17:11	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.59	ug/L			07/02/15 17:11	1
Acetone	ND		20	5.0	ug/L			07/02/15 17:11	1
Benzene	ND		5.0	0.99	ug/L			07/02/15 17:11	1
Bromodichloromethane	ND		5.0	0.93	ug/L			07/02/15 17:11	1
Bromoform	ND		5.0	1.1	ug/L			07/02/15 17:11	1
Bromomethane	ND		5.0	1.6	ug/L			07/02/15 17:11	1
Carbon disulfide	**2.9**	**J**	5.0	1.1	ug/L			07/02/15 17:11	1
Carbon tetrachloride	ND		5.0	1.1	ug/L			07/02/15 17:11	1
Chlorobenzene	ND		5.0	0.53	ug/L			07/02/15 17:11	1
Chloroethane	ND		5.0	0.75	ug/L			07/02/15 17:11	1
Chloroform	ND		5.0	1.0	ug/L			07/02/15 17:11	1
Chloromethane	ND		5.0	1.4	ug/L			07/02/15 17:11	1
cis-1,2-Dichloroethene	ND		5.0	0.67	ug/L			07/02/15 17:11	1
cis-1,3-Dichloropropene	ND		5.0	0.73	ug/L			07/02/15 17:11	1
Dibromochloromethane	ND		5.0	0.65	ug/L			07/02/15 17:11	1
Ethylbenzene	ND		5.0	0.62	ug/L			07/02/15 17:11	1
Methylene Chloride	ND		5.0	1.1	ug/L			07/02/15 17:11	1
Styrene	ND		5.0	0.64	ug/L			07/02/15 17:11	1
Tetrachloroethene	ND		5.0	0.82	ug/L			07/02/15 17:11	1
Toluene	ND		5.0	0.85	ug/L			07/02/15 17:11	1
trans-1,2-Dichloroethene	ND		5.0	0.75	ug/L			07/02/15 17:11	1
trans-1,3-Dichloropropene	ND		5.0	0.58	ug/L			07/02/15 17:11	1
Trichloroethene	ND		5.0	0.80	ug/L			07/02/15 17:11	1
Vinyl acetate	ND		5.0	0.86	ug/L			07/02/15 17:11	1
Vinyl chloride	ND		5.0	1.3	ug/L			07/02/15 17:11	1
Xylenes, Total	ND		10	1.7	ug/L			07/02/15 17:11	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*34*	*T J*	*ug/L*		*1.36*			*07/02/15 17:11*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*77*		*62 - 123*		*07/02/15 17:11*	*1*
4-Bromofluorobenzene (Surr)	*86*		*75 - 120*		*07/02/15 17:11*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*07/02/15 17:11*	*1*
Toluene-d8 (Surr)	*109*		*80 - 120*		*07/02/15 17:11*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45456-1

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

Client Sample ID: WG-9954-062515-SG-027
Date Collected: 06/25/15 15:00
Date Received: 06/26/15 09:00

Lab Sample ID: 180-45456-10
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	1.0	ug/L			07/02/15 16:47	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.93	ug/L			07/02/15 16:47	1
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			07/02/15 16:47	1
1,1-Dichloroethane	ND		5.0	1.0	ug/L			07/02/15 16:47	1
1,1-Dichloroethene	ND		5.0	1.1	ug/L			07/02/15 16:47	1
1,2-Dichloroethane	ND		5.0	0.96	ug/L			07/02/15 16:47	1
1,2-Dichloropropane	ND		5.0	1.3	ug/L			07/02/15 16:47	1
2-Butanone (MEK)	ND		5.0	1.1	ug/L			07/02/15 16:47	1
2-Hexanone	ND		5.0	0.57	ug/L			07/02/15 16:47	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.59	ug/L			07/02/15 16:47	1
Acetone	ND		20	5.0	ug/L			07/02/15 16:47	1
Benzene	ND		5.0	0.99	ug/L			07/02/15 16:47	1
Bromodichloromethane	ND		5.0	0.93	ug/L			07/02/15 16:47	1
Bromoform	ND		5.0	1.1	ug/L			07/02/15 16:47	1
Bromomethane	ND		5.0	1.6	ug/L			07/02/15 16:47	1
Carbon disulfide	ND		5.0	1.1	ug/L			07/02/15 16:47	1
Carbon tetrachloride	ND		5.0	1.1	ug/L			07/02/15 16:47	1
Chlorobenzene	ND		5.0	0.53	ug/L			07/02/15 16:47	1
Chloroethane	ND		5.0	0.75	ug/L			07/02/15 16:47	1
Chloroform	ND		5.0	1.0	ug/L			07/02/15 16:47	1
Chloromethane	ND		5.0	1.4	ug/L			07/02/15 16:47	1
cis-1,2-Dichloroethene	ND		5.0	0.67	ug/L			07/02/15 16:47	1
cis-1,3-Dichloropropene	ND		5.0	0.73	ug/L			07/02/15 16:47	1
Dibromochloromethane	ND		5.0	0.65	ug/L			07/02/15 16:47	1
Ethylbenzene	ND		5.0	0.62	ug/L			07/02/15 16:47	1
Methylene Chloride	ND		5.0	1.1	ug/L			07/02/15 16:47	1
Styrene	ND		5.0	0.64	ug/L			07/02/15 16:47	1
Tetrachloroethene	ND		5.0	0.82	ug/L			07/02/15 16:47	1
Toluene	ND		5.0	0.85	ug/L			07/02/15 16:47	1
trans-1,2-Dichloroethene	ND		5.0	0.75	ug/L			07/02/15 16:47	1
trans-1,3-Dichloropropene	ND		5.0	0.58	ug/L			07/02/15 16:47	1
Trichloroethene	ND		5.0	0.80	ug/L			07/02/15 16:47	1
Vinyl acetate	ND		5.0	0.86	ug/L			07/02/15 16:47	1
Vinyl chloride	ND		5.0	1.3	ug/L			07/02/15 16:47	1
Xylenes, Total	ND		10	1.7	ug/L			07/02/15 16:47	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*07/02/15 16:47*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*84*		*62 - 123*		*07/02/15 16:47*	*1*
4-Bromofluorobenzene (Surr)	*86*		*75 - 120*		*07/02/15 16:47*	*1*
Dibromofluoromethane (Surr)	*96*		*80 - 120*		*07/02/15 16:47*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*07/02/15 16:47*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45456-1

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

Client Sample ID: WG-9954-062515-SG-023
Date Collected: 06/25/15 14:20
Date Received: 06/26/15 09:00

Lab Sample ID: 180-45456-7
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2500	510	ug/L			07/06/15 20:42	500
1,1,2,2-Tetrachloroethane	ND		2500	470	ug/L			07/06/15 20:42	500
1,1,2-Trichloroethane	ND		2500	580	ug/L			07/06/15 20:42	500
1,1-Dichloroethane	ND		2500	510	ug/L			07/06/15 20:42	500
1,1-Dichloroethene	ND		2500	530	ug/L			07/06/15 20:42	500
1,2-Dichloroethane	ND		2500	480	ug/L			07/06/15 20:42	500
1,2-Dichloropropane	ND		2500	640	ug/L			07/06/15 20:42	500
2-Butanone (MEK)	ND		2500	540	ug/L			07/06/15 20:42	500
2-Hexanone	ND		2500	280	ug/L			07/06/15 20:42	500
4-Methyl-2-pentanone (MIBK)	ND		2500	300	ug/L			07/06/15 20:42	500
Acetone	ND		10000	2500	ug/L			07/06/15 20:42	500
Benzene	**5600**		2500	490	ug/L			07/06/15 20:42	500
Bromodichloromethane	ND		2500	470	ug/L			07/06/15 20:42	500
Bromoform	ND		2500	530	ug/L			07/06/15 20:42	500
Bromomethane	ND		2500	790	ug/L			07/06/15 20:42	500
Carbon disulfide	ND		2500	540	ug/L			07/06/15 20:42	500
Carbon tetrachloride	ND		2500	540	ug/L			07/06/15 20:42	500
Chlorobenzene	**2100**	**J**	2500	260	ug/L			07/06/15 20:42	500
Chloroethane	ND		2500	370	ug/L			07/06/15 20:42	500
Chloroform	ND		2500	500	ug/L			07/06/15 20:42	500
Chloromethane	ND		2500	700	ug/L			07/06/15 20:42	500
cis-1,2-Dichloroethene	ND		2500	330	ug/L			07/06/15 20:42	500
cis-1,3-Dichloropropene	ND		2500	360	ug/L			07/06/15 20:42	500
Dibromochloromethane	ND		2500	320	ug/L			07/06/15 20:42	500
Ethylbenzene	ND		2500	310	ug/L			07/06/15 20:42	500
Methylene Chloride	ND		2500	540	ug/L			07/06/15 20:42	500
Styrene	ND		2500	320	ug/L			07/06/15 20:42	500
Tetrachloroethene	ND		2500	410	ug/L			07/06/15 20:42	500
Toluene	**20000**		2500	420	ug/L			07/06/15 20:42	500
trans-1,2-Dichloroethene	ND		2500	380	ug/L			07/06/15 20:42	500
trans-1,3-Dichloropropene	ND		2500	290	ug/L			07/06/15 20:42	500
Trichloroethene	ND		2500	400	ug/L			07/06/15 20:42	500
Vinyl acetate	ND		2500	430	ug/L			07/06/15 20:42	500
Vinyl chloride	ND		2500	650	ug/L			07/06/15 20:42	500
Xylenes, Total	ND		5000	840	ug/L			07/06/15 20:42	500

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown Benzene Derivative	*18000*	*T J*	*ug/L*		*10.97*			*07/06/15 20:42*	*500*
Unknown Benzene Derivative	*7900*	*T J*	*ug/L*		*11.10*			*07/06/15 20:42*	*500*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*79*		*62 - 123*		*07/06/15 20:42*	*500*
4-Bromofluorobenzene (Surr)	*86*		*75 - 120*		*07/06/15 20:42*	*500*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*07/06/15 20:42*	*500*
Toluene-d8 (Surr)	*111*		*80 - 120*		*07/06/15 20:42*	*500*

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

Client Sample ID: RB-9954-062515-SG-026
Date Collected: 06/25/15 14:20
Date Received: 06/26/15 09:00

Lab Sample ID: 180-45456-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		1.9	0.27	ug/L		07/02/15 09:35	07/08/15 19:06	1
Acenaphthylene	ND		1.9	0.20	ug/L		07/02/15 09:35	07/08/15 19:06	1
Anthracene	ND		1.9	0.18	ug/L		07/02/15 09:35	07/08/15 19:06	1
Benzo[a]anthracene	ND		1.9	0.34	ug/L		07/02/15 09:35	07/08/15 19:06	1
Benzo[b]fluoranthene	ND		1.9	0.45	ug/L		07/02/15 09:35	07/08/15 19:06	1
Benzo[k]fluoranthene	ND		1.9	0.28	ug/L		07/02/15 09:35	07/08/15 19:06	1
Benzoic acid	ND		46	15	ug/L		07/02/15 09:35	07/08/15 19:06	1
Benzo[g,h,i]perylene	ND		1.9	0.27	ug/L		07/02/15 09:35	07/08/15 19:06	1
Benzo[a]pyrene	ND		1.9	0.26	ug/L		07/02/15 09:35	07/08/15 19:06	1
Benzyl alcohol	ND		9.3	1.8	ug/L		07/02/15 09:35	07/08/15 19:06	1
Bis(2-chloroethoxy)methane	ND		9.3	1.2	ug/L		07/02/15 09:35	07/08/15 19:06	1
Bis(2-chloroethyl)ether	ND		9.3	0.29	ug/L		07/02/15 09:35	07/08/15 19:06	1
Bis(2-ethylhexyl) phthalate	ND		19	4.1	ug/L		07/02/15 09:35	07/08/15 19:06	1
4-Bromophenyl phenyl ether	ND		9.3	1.1	ug/L		07/02/15 09:35	07/08/15 19:06	1
Butyl benzyl phthalate	ND		9.3	2.0	ug/L		07/02/15 09:35	07/08/15 19:06	1
4-Chloroaniline	ND		9.3	2.7	ug/L		07/02/15 09:35	07/08/15 19:06	1
4-Chloro-3-methylphenol	ND		9.3	1.6	ug/L		07/02/15 09:35	07/08/15 19:06	1
2-Chloronaphthalene	ND		1.9	0.28	ug/L		07/02/15 09:35	07/08/15 19:06	1
2-Chlorophenol	ND		9.3	2.1	ug/L		07/02/15 09:35	07/08/15 19:06	1
4-Chlorophenyl phenyl ether	ND		9.3	0.74	ug/L		07/02/15 09:35	07/08/15 19:06	1
Chrysene	ND		1.9	0.29	ug/L		07/02/15 09:35	07/08/15 19:06	1
Dibenz(a,h)anthracene	ND		1.9	0.25	ug/L		07/02/15 09:35	07/08/15 19:06	1
Dibenzofuran	ND		9.3	0.89	ug/L		07/02/15 09:35	07/08/15 19:06	1
Di-n-butyl phthalate	ND		9.3	2.2	ug/L		07/02/15 09:35	07/08/15 19:06	1
1,2-Dichlorobenzene	ND		9.3	1.0	ug/L		07/02/15 09:35	07/08/15 19:06	1
1,3-Dichlorobenzene	ND		9.3	0.70	ug/L		07/02/15 09:35	07/08/15 19:06	1
3,3'-Dichlorobenzidine	ND		9.3	1.4	ug/L		07/02/15 09:35	07/08/15 19:06	1
2,4-Dichlorophenol	ND		9.3	0.62	ug/L		07/02/15 09:35	07/08/15 19:06	1
Diethyl phthalate	ND		9.3	2.7	ug/L		07/02/15 09:35	07/08/15 19:06	1
2,4-Dimethylphenol	ND		9.3	1.6	ug/L		07/02/15 09:35	07/08/15 19:06	1
Dimethyl phthalate	ND		9.3	1.7	ug/L		07/02/15 09:35	07/08/15 19:06	1
4,6-Dinitro-2-methylphenol	ND		46	14	ug/L		07/02/15 09:35	07/08/15 19:06	1
2,4-Dinitrophenol	ND		46	23	ug/L		07/02/15 09:35	07/08/15 19:06	1
2,4-Dinitrotoluene	ND		9.3	2.0	ug/L		07/02/15 09:35	07/08/15 19:06	1
2,6-Dinitrotoluene	ND		9.3	1.3	ug/L		07/02/15 09:35	07/08/15 19:06	1
Di-n-octyl phthalate	ND		9.3	1.9	ug/L		07/02/15 09:35	07/08/15 19:06	1
Fluoranthene	ND		1.9	0.20	ug/L		07/02/15 09:35	07/08/15 19:06	1
Fluorene	ND		1.9	0.22	ug/L		07/02/15 09:35	07/08/15 19:06	1
Hexachlorobenzene	ND		9.3	0.56	ug/L		07/02/15 09:35	07/08/15 19:06	1
Hexachlorobutadiene	ND		9.3	0.87	ug/L		07/02/15 09:35	07/08/15 19:06	1
Hexachlorocyclopentadiene	ND		9.3	1.3	ug/L		07/02/15 09:35	07/08/15 19:06	1
Hexachloroethane	ND		9.3	1.3	ug/L		07/02/15 09:35	07/08/15 19:06	1
Indeno[1,2,3-cd]pyrene	ND		1.9	0.40	ug/L		07/02/15 09:35	07/08/15 19:06	1
Isophorone	ND		9.3	0.68	ug/L		07/02/15 09:35	07/08/15 19:06	1
2-Methylnaphthalene	ND		1.9	0.18	ug/L		07/02/15 09:35	07/08/15 19:06	1
2-Methylphenol	ND		9.3	1.7	ug/L		07/02/15 09:35	07/08/15 19:06	1
4-Methylphenol	ND		9.3	1.9	ug/L		07/02/15 09:35	07/08/15 19:06	1
Naphthalene	ND		1.9	0.21	ug/L		07/02/15 09:35	07/08/15 19:06	1
2-Nitroaniline	ND		46	6.2	ug/L		07/02/15 09:35	07/08/15 19:06	1

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

Client Sample ID: RB-9954-062515-SG-026
Date Collected: 06/25/15 14:20
Date Received: 06/26/15 09:00

Lab Sample ID: 180-45456-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		46	7.5	ug/L		07/02/15 09:35	07/08/15 19:06	1
4-Nitroaniline	ND		46	7.2	ug/L		07/02/15 09:35	07/08/15 19:06	1
Nitrobenzene	ND		19	1.4	ug/L		07/02/15 09:35	07/08/15 19:06	1
2-Nitrophenol	ND		9.3	1.0	ug/L		07/02/15 09:35	07/08/15 19:06	1
4-Nitrophenol	ND		46	7.4	ug/L		07/02/15 09:35	07/08/15 19:06	1
N-Nitrosodiphenylamine	ND		9.3	1.1	ug/L		07/02/15 09:35	07/08/15 19:06	1
N-Nitrosodi-n-propylamine	ND		9.3	0.46	ug/L		07/02/15 09:35	07/08/15 19:06	1
Pentachlorophenol	ND		9.3	4.6	ug/L		07/02/15 09:35	07/08/15 19:06	1
Phenanthrene	ND		1.9	0.38	ug/L		07/02/15 09:35	07/08/15 19:06	1
Phenol	ND		9.3	0.51	ug/L		07/02/15 09:35	07/08/15 19:06	1
Pyrene	ND		1.9	0.21	ug/L		07/02/15 09:35	07/08/15 19:06	1
1,2,4-Trichlorobenzene	ND		9.3	0.79	ug/L		07/02/15 09:35	07/08/15 19:06	1
2,4,5-Trichlorophenol	ND		9.3	1.1	ug/L		07/02/15 09:35	07/08/15 19:06	1
2,4,6-Trichlorophenol	ND		9.3	2.8	ug/L		07/02/15 09:35	07/08/15 19:06	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*14*	*T J*	*ug/L*		*11.70*		*07/02/15 09:35*	*07/08/15 19:06*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*75*		*28 - 106*	*07/02/15 09:35*	*07/08/15 19:06*	*1*
2-Fluorophenol	*68*		*20 - 108*	*07/02/15 09:35*	*07/08/15 19:06*	*1*
2,4,6-Tribromophenol	*68*		*25 - 118*	*07/02/15 09:35*	*07/08/15 19:06*	*1*
Nitrobenzene-d5	*80*		*27 - 110*	*07/02/15 09:35*	*07/08/15 19:06*	*1*
Phenol-d5	*73*		*23 - 111*	*07/02/15 09:35*	*07/08/15 19:06*	*1*
Terphenyl-d14	*70*		*20 - 109*	*07/02/15 09:35*	*07/08/15 19:06*	*1*

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

Client Sample ID: WG-9954-062515-SG-017
Date Collected: 06/25/15 11:00
Date Received: 06/26/15 09:00

Lab Sample ID: 180-45456-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		1.9	0.27	ug/L		07/02/15 09:35	07/08/15 19:33	1
Acenaphthylene	ND		1.9	0.20	ug/L		07/02/15 09:35	07/08/15 19:33	1
Anthracene	ND		1.9	0.18	ug/L		07/02/15 09:35	07/08/15 19:33	1
Benzo[a]anthracene	ND		1.9	0.34	ug/L		07/02/15 09:35	07/08/15 19:33	1
Benzo[b]fluoranthene	ND		1.9	0.45	ug/L		07/02/15 09:35	07/08/15 19:33	1
Benzo[k]fluoranthene	ND		1.9	0.28	ug/L		07/02/15 09:35	07/08/15 19:33	1
Benzoic acid	ND		46	15	ug/L		07/02/15 09:35	07/08/15 19:33	1
Benzo[g,h,i]perylene	ND		1.9	0.27	ug/L		07/02/15 09:35	07/08/15 19:33	1
Benzo[a]pyrene	ND		1.9	0.26	ug/L		07/02/15 09:35	07/08/15 19:33	1
Benzyl alcohol	ND		9.3	1.8	ug/L		07/02/15 09:35	07/08/15 19:33	1
Bis(2-chloroethoxy)methane	ND		9.3	1.2	ug/L		07/02/15 09:35	07/08/15 19:33	1
Bis(2-chloroethyl)ether	ND		9.3	0.29	ug/L		07/02/15 09:35	07/08/15 19:33	1
Bis(2-ethylhexyl) phthalate	**8.0**	**J**	19	4.1	ug/L		07/02/15 09:35	07/08/15 19:33	1
4-Bromophenyl phenyl ether	ND		9.3	1.1	ug/L		07/02/15 09:35	07/08/15 19:33	1
Butyl benzyl phthalate	ND		9.3	2.0	ug/L		07/02/15 09:35	07/08/15 19:33	1
4-Chloroaniline	ND		9.3	2.7	ug/L		07/02/15 09:35	07/08/15 19:33	1
4-Chloro-3-methylphenol	ND		9.3	1.6	ug/L		07/02/15 09:35	07/08/15 19:33	1
2-Chloronaphthalene	ND		1.9	0.28	ug/L		07/02/15 09:35	07/08/15 19:33	1
2-Chlorophenol	ND		9.3	2.1	ug/L		07/02/15 09:35	07/08/15 19:33	1
4-Chlorophenyl phenyl ether	ND		9.3	0.74	ug/L		07/02/15 09:35	07/08/15 19:33	1
Chrysene	ND		1.9	0.29	ug/L		07/02/15 09:35	07/08/15 19:33	1
Dibenz(a,h)anthracene	ND		1.9	0.25	ug/L		07/02/15 09:35	07/08/15 19:33	1
Dibenzofuran	ND		9.3	0.89	ug/L		07/02/15 09:35	07/08/15 19:33	1
Di-n-butyl phthalate	ND		9.3	2.2	ug/L		07/02/15 09:35	07/08/15 19:33	1
1,2-Dichlorobenzene	ND		9.3	1.0	ug/L		07/02/15 09:35	07/08/15 19:33	1
1,3-Dichlorobenzene	ND		9.3	0.70	ug/L		07/02/15 09:35	07/08/15 19:33	1
3,3'-Dichlorobenzidine	ND		9.3	1.4	ug/L		07/02/15 09:35	07/08/15 19:33	1
2,4-Dichlorophenol	ND		9.3	0.62	ug/L		07/02/15 09:35	07/08/15 19:33	1
Diethyl phthalate	ND		9.3	2.7	ug/L		07/02/15 09:35	07/08/15 19:33	1
2,4-Dimethylphenol	ND		9.3	1.6	ug/L		07/02/15 09:35	07/08/15 19:33	1
Dimethyl phthalate	ND		9.3	1.7	ug/L		07/02/15 09:35	07/08/15 19:33	1
4,6-Dinitro-2-methylphenol	ND		46	14	ug/L		07/02/15 09:35	07/08/15 19:33	1
2,4-Dinitrophenol	ND		46	23	ug/L		07/02/15 09:35	07/08/15 19:33	1
2,4-Dinitrotoluene	ND		9.3	2.0	ug/L		07/02/15 09:35	07/08/15 19:33	1
2,6-Dinitrotoluene	ND		9.3	1.3	ug/L		07/02/15 09:35	07/08/15 19:33	1
Di-n-octyl phthalate	ND		9.3	1.9	ug/L		07/02/15 09:35	07/08/15 19:33	1
Fluoranthene	ND		1.9	0.20	ug/L		07/02/15 09:35	07/08/15 19:33	1
Fluorene	ND		1.9	0.22	ug/L		07/02/15 09:35	07/08/15 19:33	1
Hexachlorobenzene	ND		9.3	0.56	ug/L		07/02/15 09:35	07/08/15 19:33	1
Hexachlorobutadiene	ND		9.3	0.87	ug/L		07/02/15 09:35	07/08/15 19:33	1
Hexachlorocyclopentadiene	ND		9.3	1.3	ug/L		07/02/15 09:35	07/08/15 19:33	1
Hexachloroethane	ND		9.3	1.3	ug/L		07/02/15 09:35	07/08/15 19:33	1
Indeno[1,2,3-cd]pyrene	ND		1.9	0.40	ug/L		07/02/15 09:35	07/08/15 19:33	1
Isophorone	ND		9.3	0.68	ug/L		07/02/15 09:35	07/08/15 19:33	1
2-Methylnaphthalene	ND		1.9	0.18	ug/L		07/02/15 09:35	07/08/15 19:33	1
2-Methylphenol	ND		9.3	1.7	ug/L		07/02/15 09:35	07/08/15 19:33	1
4-Methylphenol	ND		9.3	1.9	ug/L		07/02/15 09:35	07/08/15 19:33	1
Naphthalene	ND		1.9	0.21	ug/L		07/02/15 09:35	07/08/15 19:33	1
2-Nitroaniline	ND		46	6.2	ug/L		07/02/15 09:35	07/08/15 19:33	1

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

Client Sample ID: WG-9954-062515-SG-017
Date Collected: 06/25/15 11:00
Date Received: 06/26/15 09:00

Lab Sample ID: 180-45456-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		46	7.5	ug/L		07/02/15 09:35	07/08/15 19:33	1
4-Nitroaniline	ND		46	7.2	ug/L		07/02/15 09:35	07/08/15 19:33	1
Nitrobenzene	ND		19	1.4	ug/L		07/02/15 09:35	07/08/15 19:33	1
2-Nitrophenol	ND		9.3	1.0	ug/L		07/02/15 09:35	07/08/15 19:33	1
4-Nitrophenol	ND		46	7.4	ug/L		07/02/15 09:35	07/08/15 19:33	1
N-Nitrosodiphenylamine	ND		9.3	1.1	ug/L		07/02/15 09:35	07/08/15 19:33	1
N-Nitrosodi-n-propylamine	ND		9.3	0.46	ug/L		07/02/15 09:35	07/08/15 19:33	1
Pentachlorophenol	ND		9.3	4.6	ug/L		07/02/15 09:35	07/08/15 19:33	1
Phenanthrene	ND		1.9	0.38	ug/L		07/02/15 09:35	07/08/15 19:33	1
Phenol	ND		9.3	0.51	ug/L		07/02/15 09:35	07/08/15 19:33	1
Pyrene	ND		1.9	0.21	ug/L		07/02/15 09:35	07/08/15 19:33	1
1,2,4-Trichlorobenzene	ND		9.3	0.79	ug/L		07/02/15 09:35	07/08/15 19:33	1
2,4,5-Trichlorophenol	ND		9.3	1.1	ug/L		07/02/15 09:35	07/08/15 19:33	1
2,4,6-Trichlorophenol	ND		9.3	2.8	ug/L		07/02/15 09:35	07/08/15 19:33	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*16*	*T J*	*ug/L*		*12.00*		*07/02/15 09:35*	*07/08/15 19:33*	*1*
Unknown	*12*	*T J*	*ug/L*		*12.15*		*07/02/15 09:35*	*07/08/15 19:33*	*1*
Unknown	*5.8*	*T J*	*ug/L*		*12.99*		*07/02/15 09:35*	*07/08/15 19:33*	*1*
Unknown	*4.3*	*T J*	*ug/L*		*13.14*		*07/02/15 09:35*	*07/08/15 19:33*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*74*		*28 - 106*	*07/02/15 09:35*	*07/08/15 19:33*	*1*
2-Fluorophenol	*67*		*20 - 108*	*07/02/15 09:35*	*07/08/15 19:33*	*1*
2,4,6-Tribromophenol	*77*		*25 - 118*	*07/02/15 09:35*	*07/08/15 19:33*	*1*
Nitrobenzene-d5	*80*		*27 - 110*	*07/02/15 09:35*	*07/08/15 19:33*	*1*
Phenol-d5	*72*		*23 - 111*	*07/02/15 09:35*	*07/08/15 19:33*	*1*
Terphenyl-d14	*68*		*20 - 109*	*07/02/15 09:35*	*07/08/15 19:33*	*1*

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

Client Sample ID: WG-9954-062515-SG-020
Date Collected: 06/25/15 12:10
Date Received: 06/26/15 09:00

Lab Sample ID: 180-45456-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		1.9	0.27	ug/L		07/02/15 09:35	07/10/15 17:47	1
Acenaphthylene	ND		1.9	0.20	ug/L		07/02/15 09:35	07/10/15 17:47	1
Anthracene	ND		1.9	0.18	ug/L		07/02/15 09:35	07/10/15 17:47	1
Benzo[a]anthracene	ND		1.9	0.34	ug/L		07/02/15 09:35	07/10/15 17:47	1
Benzo[b]fluoranthene	ND		1.9	0.45	ug/L		07/02/15 09:35	07/10/15 17:47	1
Benzo[k]fluoranthene	ND		1.9	0.28	ug/L		07/02/15 09:35	07/10/15 17:47	1
Benzoic acid	ND		46	15	ug/L		07/02/15 09:35	07/10/15 17:47	1
Benzo[g,h,i]perylene	ND		1.9	0.27	ug/L		07/02/15 09:35	07/10/15 17:47	1
Benzo[a]pyrene	ND		1.9	0.26	ug/L		07/02/15 09:35	07/10/15 17:47	1
Benzyl alcohol	ND		9.3	1.8	ug/L		07/02/15 09:35	07/10/15 17:47	1
Bis(2-chloroethoxy)methane	ND		9.3	1.2	ug/L		07/02/15 09:35	07/10/15 17:47	1
Bis(2-chloroethyl)ether	ND		9.3	0.29	ug/L		07/02/15 09:35	07/10/15 17:47	1
Bis(2-ethylhexyl) phthalate	**7.9**	**J**	19	4.1	ug/L		07/02/15 09:35	07/10/15 17:47	1
4-Bromophenyl phenyl ether	ND		9.3	1.1	ug/L		07/02/15 09:35	07/10/15 17:47	1
Butyl benzyl phthalate	ND		9.3	2.0	ug/L		07/02/15 09:35	07/10/15 17:47	1
4-Chloroaniline	ND		9.3	2.7	ug/L		07/02/15 09:35	07/10/15 17:47	1
4-Chloro-3-methylphenol	ND		9.3	1.6	ug/L		07/02/15 09:35	07/10/15 17:47	1
2-Chloronaphthalene	ND		1.9	0.28	ug/L		07/02/15 09:35	07/10/15 17:47	1
2-Chlorophenol	ND		9.3	2.1	ug/L		07/02/15 09:35	07/10/15 17:47	1
4-Chlorophenyl phenyl ether	ND		9.3	0.74	ug/L		07/02/15 09:35	07/10/15 17:47	1
Chrysene	ND		1.9	0.29	ug/L		07/02/15 09:35	07/10/15 17:47	1
Dibenz(a,h)anthracene	ND		1.9	0.25	ug/L		07/02/15 09:35	07/10/15 17:47	1
Dibenzofuran	ND		9.3	0.89	ug/L		07/02/15 09:35	07/10/15 17:47	1
Di-n-butyl phthalate	ND		9.3	2.2	ug/L		07/02/15 09:35	07/10/15 17:47	1
1,2-Dichlorobenzene	ND		9.3	1.0	ug/L		07/02/15 09:35	07/10/15 17:47	1
1,3-Dichlorobenzene	ND		9.3	0.70	ug/L		07/02/15 09:35	07/10/15 17:47	1
3,3'-Dichlorobenzidine	ND		9.3	1.4	ug/L		07/02/15 09:35	07/10/15 17:47	1
2,4-Dichlorophenol	ND		9.3	0.62	ug/L		07/02/15 09:35	07/10/15 17:47	1
Diethyl phthalate	ND		9.3	2.7	ug/L		07/02/15 09:35	07/10/15 17:47	1
2,4-Dimethylphenol	ND		9.3	1.6	ug/L		07/02/15 09:35	07/10/15 17:47	1
Dimethyl phthalate	ND		9.3	1.7	ug/L		07/02/15 09:35	07/10/15 17:47	1
4,6-Dinitro-2-methylphenol	ND		46	14	ug/L		07/02/15 09:35	07/10/15 17:47	1
2,4-Dinitrophenol	ND		46	23	ug/L		07/02/15 09:35	07/10/15 17:47	1
2,4-Dinitrotoluene	ND		9.3	2.0	ug/L		07/02/15 09:35	07/10/15 17:47	1
2,6-Dinitrotoluene	ND		9.3	1.3	ug/L		07/02/15 09:35	07/10/15 17:47	1
Di-n-octyl phthalate	ND		9.3	1.9	ug/L		07/02/15 09:35	07/10/15 17:47	1
Fluoranthene	ND		1.9	0.20	ug/L		07/02/15 09:35	07/10/15 17:47	1
Fluorene	ND		1.9	0.22	ug/L		07/02/15 09:35	07/10/15 17:47	1
Hexachlorobenzene	ND		9.3	0.56	ug/L		07/02/15 09:35	07/10/15 17:47	1
Hexachlorobutadiene	ND		9.3	0.87	ug/L		07/02/15 09:35	07/10/15 17:47	1
Hexachlorocyclopentadiene	ND		9.3	1.3	ug/L		07/02/15 09:35	07/10/15 17:47	1
Hexachloroethane	ND		9.3	1.3	ug/L		07/02/15 09:35	07/10/15 17:47	1
Indeno[1,2,3-cd]pyrene	ND		1.9	0.40	ug/L		07/02/15 09:35	07/10/15 17:47	1
Isophorone	ND		9.3	0.68	ug/L		07/02/15 09:35	07/10/15 17:47	1
2-Methylnaphthalene	ND		1.9	0.18	ug/L		07/02/15 09:35	07/10/15 17:47	1
2-Methylphenol	ND		9.3	1.7	ug/L		07/02/15 09:35	07/10/15 17:47	1
4-Methylphenol	ND		9.3	1.9	ug/L		07/02/15 09:35	07/10/15 17:47	1
Naphthalene	ND		1.9	0.21	ug/L		07/02/15 09:35	07/10/15 17:47	1
2-Nitroaniline	ND		46	6.2	ug/L		07/02/15 09:35	07/10/15 17:47	1

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

Client Sample ID: WG-9954-062515-SG-020
Date Collected: 06/25/15 12:10
Date Received: 06/26/15 09:00

Lab Sample ID: 180-45456-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		46	7.5	ug/L		07/02/15 09:35	07/10/15 17:47	1
4-Nitroaniline	ND		46	7.2	ug/L		07/02/15 09:35	07/10/15 17:47	1
Nitrobenzene	ND		19	1.4	ug/L		07/02/15 09:35	07/10/15 17:47	1
2-Nitrophenol	ND		9.3	1.0	ug/L		07/02/15 09:35	07/10/15 17:47	1
4-Nitrophenol	ND		46	7.4	ug/L		07/02/15 09:35	07/10/15 17:47	1
N-Nitrosodiphenylamine	ND		9.3	1.1	ug/L		07/02/15 09:35	07/10/15 17:47	1
N-Nitrosodi-n-propylamine	ND		9.3	0.46	ug/L		07/02/15 09:35	07/10/15 17:47	1
Pentachlorophenol	ND		9.3	4.6	ug/L		07/02/15 09:35	07/10/15 17:47	1
Phenanthrene	ND		1.9	0.38	ug/L		07/02/15 09:35	07/10/15 17:47	1
Phenol	ND		9.3	0.51	ug/L		07/02/15 09:35	07/10/15 17:47	1
Pyrene	ND		1.9	0.21	ug/L		07/02/15 09:35	07/10/15 17:47	1
1,2,4-Trichlorobenzene	ND		9.3	0.79	ug/L		07/02/15 09:35	07/10/15 17:47	1
2,4,5-Trichlorophenol	ND		9.3	1.1	ug/L		07/02/15 09:35	07/10/15 17:47	1
2,4,6-Trichlorophenol	ND		9.3	2.8	ug/L		07/02/15 09:35	07/10/15 17:47	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*13*	*T J*	*ug/L*		*12.04*		*07/02/15 09:35*	*07/10/15 17:47*	*1*
Unknown	*4.3*	*T J*	*ug/L*		*13.19*		*07/02/15 09:35*	*07/10/15 17:47*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*87*		*28 - 106*	*07/02/15 09:35*	*07/10/15 17:47*	*1*
2-Fluorophenol	*82*		*20 - 108*	*07/02/15 09:35*	*07/10/15 17:47*	*1*
2,4,6-Tribromophenol	*78*		*25 - 118*	*07/02/15 09:35*	*07/10/15 17:47*	*1*
Nitrobenzene-d5	*90*		*27 - 110*	*07/02/15 09:35*	*07/10/15 17:47*	*1*
Phenol-d5	*82*		*23 - 111*	*07/02/15 09:35*	*07/10/15 17:47*	*1*
Terphenyl-d14	*45*		*20 - 109*	*07/02/15 09:35*	*07/10/15 17:47*	*1*

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

Client Sample ID: WG-9954-062515-SG-021
Date Collected: 06/25/15 12:35
Date Received: 06/26/15 09:00

Lab Sample ID: 180-45456-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		1.9	0.27	ug/L		07/02/15 09:35	07/10/15 18:15	1
Acenaphthylene	ND		1.9	0.20	ug/L		07/02/15 09:35	07/10/15 18:15	1
Anthracene	ND		1.9	0.18	ug/L		07/02/15 09:35	07/10/15 18:15	1
Benzo[a]anthracene	ND		1.9	0.34	ug/L		07/02/15 09:35	07/10/15 18:15	1
Benzo[b]fluoranthene	ND		1.9	0.45	ug/L		07/02/15 09:35	07/10/15 18:15	1
Benzo[k]fluoranthene	ND		1.9	0.28	ug/L		07/02/15 09:35	07/10/15 18:15	1
Benzoic acid	ND		46	15	ug/L		07/02/15 09:35	07/10/15 18:15	1
Benzo[g,h,i]perylene	ND		1.9	0.27	ug/L		07/02/15 09:35	07/10/15 18:15	1
Benzo[a]pyrene	ND		1.9	0.26	ug/L		07/02/15 09:35	07/10/15 18:15	1
Benzyl alcohol	ND		9.3	1.8	ug/L		07/02/15 09:35	07/10/15 18:15	1
Bis(2-chloroethoxy)methane	ND		9.3	1.2	ug/L		07/02/15 09:35	07/10/15 18:15	1
Bis(2-chloroethyl)ether	ND		9.3	0.29	ug/L		07/02/15 09:35	07/10/15 18:15	1
Bis(2-ethylhexyl) phthalate	ND		19	4.1	ug/L		07/02/15 09:35	07/10/15 18:15	1
4-Bromophenyl phenyl ether	ND		9.3	1.1	ug/L		07/02/15 09:35	07/10/15 18:15	1
Butyl benzyl phthalate	ND		9.3	2.0	ug/L		07/02/15 09:35	07/10/15 18:15	1
4-Chloroaniline	ND		9.3	2.7	ug/L		07/02/15 09:35	07/10/15 18:15	1
4-Chloro-3-methylphenol	ND		9.3	1.6	ug/L		07/02/15 09:35	07/10/15 18:15	1
2-Chloronaphthalene	ND		1.9	0.28	ug/L		07/02/15 09:35	07/10/15 18:15	1
2-Chlorophenol	ND		9.3	2.1	ug/L		07/02/15 09:35	07/10/15 18:15	1
4-Chlorophenyl phenyl ether	ND		9.3	0.74	ug/L		07/02/15 09:35	07/10/15 18:15	1
Chrysene	ND		1.9	0.29	ug/L		07/02/15 09:35	07/10/15 18:15	1
Dibenz(a,h)anthracene	ND		1.9	0.25	ug/L		07/02/15 09:35	07/10/15 18:15	1
Dibenzofuran	ND		9.3	0.89	ug/L		07/02/15 09:35	07/10/15 18:15	1
Di-n-butyl phthalate	ND		9.3	2.2	ug/L		07/02/15 09:35	07/10/15 18:15	1
1,2-Dichlorobenzene	ND		9.3	1.0	ug/L		07/02/15 09:35	07/10/15 18:15	1
1,3-Dichlorobenzene	ND		9.3	0.70	ug/L		07/02/15 09:35	07/10/15 18:15	1
3,3'-Dichlorobenzidine	ND		9.3	1.4	ug/L		07/02/15 09:35	07/10/15 18:15	1
2,4-Dichlorophenol	ND		9.3	0.62	ug/L		07/02/15 09:35	07/10/15 18:15	1
Diethyl phthalate	ND		9.3	2.7	ug/L		07/02/15 09:35	07/10/15 18:15	1
2,4-Dimethylphenol	ND		9.3	1.6	ug/L		07/02/15 09:35	07/10/15 18:15	1
Dimethyl phthalate	ND		9.3	1.7	ug/L		07/02/15 09:35	07/10/15 18:15	1
4,6-Dinitro-2-methylphenol	ND		46	14	ug/L		07/02/15 09:35	07/10/15 18:15	1
2,4-Dinitrophenol	ND		46	23	ug/L		07/02/15 09:35	07/10/15 18:15	1
2,4-Dinitrotoluene	ND		9.3	2.0	ug/L		07/02/15 09:35	07/10/15 18:15	1
2,6-Dinitrotoluene	ND		9.3	1.3	ug/L		07/02/15 09:35	07/10/15 18:15	1
Di-n-octyl phthalate	ND		9.3	1.9	ug/L		07/02/15 09:35	07/10/15 18:15	1
Fluoranthene	ND		1.9	0.20	ug/L		07/02/15 09:35	07/10/15 18:15	1
Fluorene	ND		1.9	0.22	ug/L		07/02/15 09:35	07/10/15 18:15	1
Hexachlorobenzene	ND		9.3	0.56	ug/L		07/02/15 09:35	07/10/15 18:15	1
Hexachlorobutadiene	ND		9.3	0.87	ug/L		07/02/15 09:35	07/10/15 18:15	1
Hexachlorocyclopentadiene	ND		9.3	1.3	ug/L		07/02/15 09:35	07/10/15 18:15	1
Hexachloroethane	ND		9.3	1.3	ug/L		07/02/15 09:35	07/10/15 18:15	1
Indeno[1,2,3-cd]pyrene	ND		1.9	0.40	ug/L		07/02/15 09:35	07/10/15 18:15	1
Isophorone	ND		9.3	0.68	ug/L		07/02/15 09:35	07/10/15 18:15	1
2-Methylnaphthalene	ND		1.9	0.18	ug/L		07/02/15 09:35	07/10/15 18:15	1
2-Methylphenol	ND		9.3	1.7	ug/L		07/02/15 09:35	07/10/15 18:15	1
4-Methylphenol	ND		9.3	1.9	ug/L		07/02/15 09:35	07/10/15 18:15	1
Naphthalene	ND		1.9	0.21	ug/L		07/02/15 09:35	07/10/15 18:15	1
2-Nitroaniline	ND		46	6.2	ug/L		07/02/15 09:35	07/10/15 18:15	1

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

Client Sample ID: WG-9954-062515-SG-021
Date Collected: 06/25/15 12:35
Date Received: 06/26/15 09:00

Lab Sample ID: 180-45456-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		46	7.5	ug/L		07/02/15 09:35	07/10/15 18:15	1
4-Nitroaniline	ND		46	7.2	ug/L		07/02/15 09:35	07/10/15 18:15	1
Nitrobenzene	ND		19	1.4	ug/L		07/02/15 09:35	07/10/15 18:15	1
2-Nitrophenol	ND		9.3	1.0	ug/L		07/02/15 09:35	07/10/15 18:15	1
4-Nitrophenol	ND		46	7.4	ug/L		07/02/15 09:35	07/10/15 18:15	1
N-Nitrosodiphenylamine	ND		9.3	1.1	ug/L		07/02/15 09:35	07/10/15 18:15	1
N-Nitrosodi-n-propylamine	ND		9.3	0.46	ug/L		07/02/15 09:35	07/10/15 18:15	1
Pentachlorophenol	ND		9.3	4.6	ug/L		07/02/15 09:35	07/10/15 18:15	1
Phenanthrene	ND		1.9	0.38	ug/L		07/02/15 09:35	07/10/15 18:15	1
Phenol	ND		9.3	0.51	ug/L		07/02/15 09:35	07/10/15 18:15	1
Pyrene	ND		1.9	0.21	ug/L		07/02/15 09:35	07/10/15 18:15	1
1,2,4-Trichlorobenzene	ND		9.3	0.79	ug/L		07/02/15 09:35	07/10/15 18:15	1
2,4,5-Trichlorophenol	ND		9.3	1.1	ug/L		07/02/15 09:35	07/10/15 18:15	1
2,4,6-Trichlorophenol	ND		9.3	2.8	ug/L		07/02/15 09:35	07/10/15 18:15	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*4.9*	*T J*	*ug/L*		*12.04*		*07/02/15 09:35*	*07/10/15 18:15*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*89*		*28 - 106*	*07/02/15 09:35*	*07/10/15 18:15*	*1*
2-Fluorophenol	*82*		*20 - 108*	*07/02/15 09:35*	*07/10/15 18:15*	*1*
2,4,6-Tribromophenol	*73*		*25 - 118*	*07/02/15 09:35*	*07/10/15 18:15*	*1*
Nitrobenzene-d5	*92*		*27 - 110*	*07/02/15 09:35*	*07/10/15 18:15*	*1*
Phenol-d5	*81*		*23 - 111*	*07/02/15 09:35*	*07/10/15 18:15*	*1*
Terphenyl-d14	*43*		*20 - 109*	*07/02/15 09:35*	*07/10/15 18:15*	*1*

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

Client Sample ID: WG-9954-062515-SG-022
Date Collected: 06/25/15 13:35
Date Received: 06/26/15 09:00

Lab Sample ID: 180-45456-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		1.9	0.27	ug/L		07/02/15 09:35	07/12/15 11:38	1
Acenaphthylene	ND		1.9	0.20	ug/L		07/02/15 09:35	07/12/15 11:38	1
Anthracene	ND		1.9	0.18	ug/L		07/02/15 09:35	07/12/15 11:38	1
Benzo[a]anthracene	ND		1.9	0.34	ug/L		07/02/15 09:35	07/12/15 11:38	1
Benzo[b]fluoranthene	ND		1.9	0.45	ug/L		07/02/15 09:35	07/12/15 11:38	1
Benzo[k]fluoranthene	ND		1.9	0.28	ug/L		07/02/15 09:35	07/12/15 11:38	1
Benzoic acid	ND		46	15	ug/L		07/02/15 09:35	07/12/15 11:38	1
Benzo[g,h,i]perylene	ND		1.9	0.27	ug/L		07/02/15 09:35	07/12/15 11:38	1
Benzo[a]pyrene	ND		1.9	0.26	ug/L		07/02/15 09:35	07/12/15 11:38	1
Benzyl alcohol	ND		9.3	1.8	ug/L		07/02/15 09:35	07/12/15 11:38	1
Bis(2-chloroethoxy)methane	ND		9.3	1.2	ug/L		07/02/15 09:35	07/12/15 11:38	1
Bis(2-chloroethyl)ether	ND		9.3	0.29	ug/L		07/02/15 09:35	07/12/15 11:38	1
Bis(2-ethylhexyl) phthalate	**8.3**	**J**	19	4.1	ug/L		07/02/15 09:35	07/12/15 11:38	1
4-Bromophenyl phenyl ether	ND		9.3	1.1	ug/L		07/02/15 09:35	07/12/15 11:38	1
Butyl benzyl phthalate	ND		9.3	2.0	ug/L		07/02/15 09:35	07/12/15 11:38	1
4-Chloroaniline	ND		9.3	2.7	ug/L		07/02/15 09:35	07/12/15 11:38	1
4-Chloro-3-methylphenol	ND		9.3	1.6	ug/L		07/02/15 09:35	07/12/15 11:38	1
2-Chloronaphthalene	ND		1.9	0.28	ug/L		07/02/15 09:35	07/12/15 11:38	1
2-Chlorophenol	ND		9.3	2.1	ug/L		07/02/15 09:35	07/12/15 11:38	1
4-Chlorophenyl phenyl ether	ND		9.3	0.74	ug/L		07/02/15 09:35	07/12/15 11:38	1
Chrysene	ND		1.9	0.29	ug/L		07/02/15 09:35	07/12/15 11:38	1
Dibenz(a,h)anthracene	ND		1.9	0.25	ug/L		07/02/15 09:35	07/12/15 11:38	1
Dibenzofuran	ND		9.3	0.89	ug/L		07/02/15 09:35	07/12/15 11:38	1
Di-n-butyl phthalate	ND		9.3	2.2	ug/L		07/02/15 09:35	07/12/15 11:38	1
1,2-Dichlorobenzene	ND		9.3	1.0	ug/L		07/02/15 09:35	07/12/15 11:38	1
1,3-Dichlorobenzene	ND		9.3	0.70	ug/L		07/02/15 09:35	07/12/15 11:38	1
3,3'-Dichlorobenzidine	ND		9.3	1.4	ug/L		07/02/15 09:35	07/12/15 11:38	1
2,4-Dichlorophenol	ND		9.3	0.62	ug/L		07/02/15 09:35	07/12/15 11:38	1
Diethyl phthalate	ND		9.3	2.7	ug/L		07/02/15 09:35	07/12/15 11:38	1
2,4-Dimethylphenol	ND		9.3	1.6	ug/L		07/02/15 09:35	07/12/15 11:38	1
Dimethyl phthalate	ND		9.3	1.7	ug/L		07/02/15 09:35	07/12/15 11:38	1
4,6-Dinitro-2-methylphenol	ND		46	14	ug/L		07/02/15 09:35	07/12/15 11:38	1
2,4-Dinitrophenol	ND		46	23	ug/L		07/02/15 09:35	07/12/15 11:38	1
2,4-Dinitrotoluene	ND		9.3	2.0	ug/L		07/02/15 09:35	07/12/15 11:38	1
2,6-Dinitrotoluene	ND		9.3	1.3	ug/L		07/02/15 09:35	07/12/15 11:38	1
Di-n-octyl phthalate	ND		9.3	1.9	ug/L		07/02/15 09:35	07/12/15 11:38	1
Fluoranthene	ND		1.9	0.20	ug/L		07/02/15 09:35	07/12/15 11:38	1
Fluorene	ND		1.9	0.22	ug/L		07/02/15 09:35	07/12/15 11:38	1
Hexachlorobenzene	ND		9.3	0.56	ug/L		07/02/15 09:35	07/12/15 11:38	1
Hexachlorobutadiene	ND		9.3	0.87	ug/L		07/02/15 09:35	07/12/15 11:38	1
Hexachlorocyclopentadiene	ND		9.3	1.3	ug/L		07/02/15 09:35	07/12/15 11:38	1
Hexachloroethane	ND		9.3	1.3	ug/L		07/02/15 09:35	07/12/15 11:38	1
Indeno[1,2,3-cd]pyrene	ND		1.9	0.40	ug/L		07/02/15 09:35	07/12/15 11:38	1
Isophorone	ND		9.3	0.68	ug/L		07/02/15 09:35	07/12/15 11:38	1
2-Methylnaphthalene	ND		1.9	0.18	ug/L		07/02/15 09:35	07/12/15 11:38	1
2-Methylphenol	ND		9.3	1.7	ug/L		07/02/15 09:35	07/12/15 11:38	1
4-Methylphenol	ND		9.3	1.9	ug/L		07/02/15 09:35	07/12/15 11:38	1
Naphthalene	ND		1.9	0.21	ug/L		07/02/15 09:35	07/12/15 11:38	1
2-Nitroaniline	ND		46	6.2	ug/L		07/02/15 09:35	07/12/15 11:38	1

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

Client Sample ID: WG-9954-062515-SG-022
Date Collected: 06/25/15 13:35
Date Received: 06/26/15 09:00

Lab Sample ID: 180-45456-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		46	7.5	ug/L		07/02/15 09:35	07/12/15 11:38	1
4-Nitroaniline	ND		46	7.2	ug/L		07/02/15 09:35	07/12/15 11:38	1
Nitrobenzene	ND		19	1.4	ug/L		07/02/15 09:35	07/12/15 11:38	1
2-Nitrophenol	ND		9.3	1.0	ug/L		07/02/15 09:35	07/12/15 11:38	1
4-Nitrophenol	ND		46	7.4	ug/L		07/02/15 09:35	07/12/15 11:38	1
N-Nitrosodiphenylamine	ND		9.3	1.1	ug/L		07/02/15 09:35	07/12/15 11:38	1
N-Nitrosodi-n-propylamine	ND		9.3	0.46	ug/L		07/02/15 09:35	07/12/15 11:38	1
Pentachlorophenol	ND		9.3	4.6	ug/L		07/02/15 09:35	07/12/15 11:38	1
Phenanthrene	ND		1.9	0.38	ug/L		07/02/15 09:35	07/12/15 11:38	1
Phenol	ND		9.3	0.51	ug/L		07/02/15 09:35	07/12/15 11:38	1
Pyrene	ND		1.9	0.21	ug/L		07/02/15 09:35	07/12/15 11:38	1
1,2,4-Trichlorobenzene	ND		9.3	0.79	ug/L		07/02/15 09:35	07/12/15 11:38	1
2,4,5-Trichlorophenol	ND		9.3	1.1	ug/L		07/02/15 09:35	07/12/15 11:38	1
2,4,6-Trichlorophenol	ND		9.3	2.8	ug/L		07/02/15 09:35	07/12/15 11:38	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*				*07/02/15 09:35*	*07/12/15 11:38*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*92*		*28 - 106*	*07/02/15 09:35*	*07/12/15 11:38*	*1*
2-Fluorophenol	*85*		*20 - 108*	*07/02/15 09:35*	*07/12/15 11:38*	*1*
2,4,6-Tribromophenol	*76*		*25 - 118*	*07/02/15 09:35*	*07/12/15 11:38*	*1*
Nitrobenzene-d5	*96*		*27 - 110*	*07/02/15 09:35*	*07/12/15 11:38*	*1*
Phenol-d5	*85*		*23 - 111*	*07/02/15 09:35*	*07/12/15 11:38*	*1*
Terphenyl-d14	*85*		*20 - 109*	*07/02/15 09:35*	*07/12/15 11:38*	*1*

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

Client Sample ID: WG-9954-062515-SG-023
Date Collected: 06/25/15 14:20
Date Received: 06/26/15 09:00

Lab Sample ID: 180-45456-7
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		46	6.7	ug/L		07/02/15 09:35	07/12/15 12:06	25
Acenaphthylene	ND		46	5.0	ug/L		07/02/15 09:35	07/12/15 12:06	25
Anthracene	ND		46	4.4	ug/L		07/02/15 09:35	07/12/15 12:06	25
Benzo[a]anthracene	ND		46	8.5	ug/L		07/02/15 09:35	07/12/15 12:06	25
Benzo[b]fluoranthene	ND		46	11	ug/L		07/02/15 09:35	07/12/15 12:06	25
Benzo[k]fluoranthene	ND		46	7.0	ug/L		07/02/15 09:35	07/12/15 12:06	25
Benzoic acid	**14000**	**E**	1200	380	ug/L		07/02/15 09:35	07/12/15 12:06	25
Benzo[g,h,i]perylene	ND		46	6.7	ug/L		07/02/15 09:35	07/12/15 12:06	25
Benzo[a]pyrene	ND		46	6.5	ug/L		07/02/15 09:35	07/12/15 12:06	25
Benzyl alcohol	**250**		230	46	ug/L		07/02/15 09:35	07/12/15 12:06	25
Bis(2-chloroethoxy)methane	ND		230	31	ug/L		07/02/15 09:35	07/12/15 12:06	25
Bis(2-chloroethyl)ether	**27**	**J**	230	7.3	ug/L		07/02/15 09:35	07/12/15 12:06	25
Bis(2-ethylhexyl) phthalate	ND		460	100	ug/L		07/02/15 09:35	07/12/15 12:06	25
4-Bromophenyl phenyl ether	ND		230	27	ug/L		07/02/15 09:35	07/12/15 12:06	25
Butyl benzyl phthalate	ND		230	49	ug/L		07/02/15 09:35	07/12/15 12:06	25
4-Chloroaniline	ND		230	67	ug/L		07/02/15 09:35	07/12/15 12:06	25
4-Chloro-3-methylphenol	ND		230	40	ug/L		07/02/15 09:35	07/12/15 12:06	25
2-Chloronaphthalene	ND		46	7.1	ug/L		07/02/15 09:35	07/12/15 12:06	25
2-Chlorophenol	ND		230	52	ug/L		07/02/15 09:35	07/12/15 12:06	25
4-Chlorophenyl phenyl ether	ND		230	18	ug/L		07/02/15 09:35	07/12/15 12:06	25
Chrysene	ND		46	7.2	ug/L		07/02/15 09:35	07/12/15 12:06	25
Dibenz(a,h)anthracene	ND		46	6.2	ug/L		07/02/15 09:35	07/12/15 12:06	25
Dibenzofuran	ND		230	22	ug/L		07/02/15 09:35	07/12/15 12:06	25
Di-n-butyl phthalate	ND		230	56	ug/L		07/02/15 09:35	07/12/15 12:06	25
1,2-Dichlorobenzene	**47**	**J**	230	25	ug/L		07/02/15 09:35	07/12/15 12:06	25
1,3-Dichlorobenzene	ND		230	17	ug/L		07/02/15 09:35	07/12/15 12:06	25
3,3'-Dichlorobenzidine	ND		230	34	ug/L		07/02/15 09:35	07/12/15 12:06	25
2,4-Dichlorophenol	**790**		230	16	ug/L		07/02/15 09:35	07/12/15 12:06	25
Diethyl phthalate	ND		230	69	ug/L		07/02/15 09:35	07/12/15 12:06	25
2,4-Dimethylphenol	ND		230	40	ug/L		07/02/15 09:35	07/12/15 12:06	25
Dimethyl phthalate	ND		230	42	ug/L		07/02/15 09:35	07/12/15 12:06	25
4,6-Dinitro-2-methylphenol	ND		1200	360	ug/L		07/02/15 09:35	07/12/15 12:06	25
2,4-Dinitrophenol	ND		1200	580	ug/L		07/02/15 09:35	07/12/15 12:06	25
2,4-Dinitrotoluene	ND		230	49	ug/L		07/02/15 09:35	07/12/15 12:06	25
2,6-Dinitrotoluene	ND		230	32	ug/L		07/02/15 09:35	07/12/15 12:06	25
Di-n-octyl phthalate	ND		230	47	ug/L		07/02/15 09:35	07/12/15 12:06	25
Fluoranthene	ND		46	4.9	ug/L		07/02/15 09:35	07/12/15 12:06	25
Fluorene	ND		46	5.6	ug/L		07/02/15 09:35	07/12/15 12:06	25
Hexachlorobenzene	ND		230	14	ug/L		07/02/15 09:35	07/12/15 12:06	25
Hexachlorobutadiene	ND		230	22	ug/L		07/02/15 09:35	07/12/15 12:06	25
Hexachlorocyclopentadiene	ND		230	31	ug/L		07/02/15 09:35	07/12/15 12:06	25
Hexachloroethane	ND		230	32	ug/L		07/02/15 09:35	07/12/15 12:06	25
Indeno[1,2,3-cd]pyrene	ND		46	10	ug/L		07/02/15 09:35	07/12/15 12:06	25
Isophorone	ND		230	17	ug/L		07/02/15 09:35	07/12/15 12:06	25
2-Methylnaphthalene	ND		46	4.4	ug/L		07/02/15 09:35	07/12/15 12:06	25
2-Methylphenol	**44**	**J**	230	43	ug/L		07/02/15 09:35	07/12/15 12:06	25
4-Methylphenol	**93**	**J**	230	48	ug/L		07/02/15 09:35	07/12/15 12:06	25
Naphthalene	ND		46	5.3	ug/L		07/02/15 09:35	07/12/15 12:06	25
2-Nitroaniline	ND		1200	160	ug/L		07/02/15 09:35	07/12/15 12:06	25

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

Client Sample ID: WG-9954-062515-SG-023
Date Collected: 06/25/15 14:20
Date Received: 06/26/15 09:00

Lab Sample ID: 180-45456-7
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		1200	190	ug/L		07/02/15 09:35	07/12/15 12:06	25
4-Nitroaniline	ND		1200	180	ug/L		07/02/15 09:35	07/12/15 12:06	25
Nitrobenzene	ND		460	34	ug/L		07/02/15 09:35	07/12/15 12:06	25
2-Nitrophenol	ND		230	26	ug/L		07/02/15 09:35	07/12/15 12:06	25
4-Nitrophenol	ND		1200	190	ug/L		07/02/15 09:35	07/12/15 12:06	25
N-Nitrosodiphenylamine	ND		230	28	ug/L		07/02/15 09:35	07/12/15 12:06	25
N-Nitrosodi-n-propylamine	ND		230	12	ug/L		07/02/15 09:35	07/12/15 12:06	25
Pentachlorophenol	ND		230	120	ug/L		07/02/15 09:35	07/12/15 12:06	25
Phenanthrene	ND		46	9.6	ug/L		07/02/15 09:35	07/12/15 12:06	25
Phenol	**87**	**J**	230	13	ug/L		07/02/15 09:35	07/12/15 12:06	25
Pyrene	ND		46	5.2	ug/L		07/02/15 09:35	07/12/15 12:06	25
1,2,4-Trichlorobenzene	ND		230	20	ug/L		07/02/15 09:35	07/12/15 12:06	25
2,4,5-Trichlorophenol	ND		230	28	ug/L		07/02/15 09:35	07/12/15 12:06	25
2,4,6-Trichlorophenol	ND		230	69	ug/L		07/02/15 09:35	07/12/15 12:06	25

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*280*	*T J*	*ug/L*		*3.77*		*07/02/15 09:35*	*07/12/15 12:06*	*25*
Unknown	*520*	*T J*	*ug/L*		*3.87*		*07/02/15 09:35*	*07/12/15 12:06*	*25*
Benzene, 1-chloro-2-methyl-	*5500*	*T J N*	*ug/L*		*5.80*	*95-49-8*	*07/02/15 09:35*	*07/12/15 12:06*	*25*
Benzene, 1-chloro-3-methyl-	*3100*	*T J N*	*ug/L*		*5.87*	*108-41-8*	*07/02/15 09:35*	*07/12/15 12:06*	*25*
Benzene, 1-chloro-4-(chloromethyl)-	*360*	*T J N*	*ug/L*		*7.14*	*104-83-6*	*07/02/15 09:35*	*07/12/15 12:06*	*25*
Parachlorophenol	*3200*	*T J N*	*ug/L*		*7.51*	*106-48-9*	*07/02/15 09:35*	*07/12/15 12:06*	*25*
Benzoic acid, 3-chloro-	*5300*	*T J N*	*ug/L*		*8.32*	*535-80-8*	*07/02/15 09:35*	*07/12/15 12:06*	*25*
Benzoic acid, 2-chloro-	*2800*	*T J N*	*ug/L*		*8.47*	*118-91-2*	*07/02/15 09:35*	*07/12/15 12:06*	*25*
Phenol, 3,4-dichloro-	*720*	*T J N*	*ug/L*		*8.72*	*95-77-2*	*07/02/15 09:35*	*07/12/15 12:06*	*25*
Unknown	*1300*	*T J*	*ug/L*		*19.69*		*07/02/15 09:35*	*07/12/15 12:06*	*25*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*0*	*X*	*28 - 106*	*07/02/15 09:35*	*07/12/15 12:06*	*25*
2-Fluorophenol	*0*	*X*	*20 - 108*	*07/02/15 09:35*	*07/12/15 12:06*	*25*
2,4,6-Tribromophenol	*0*	*X*	*25 - 118*	*07/02/15 09:35*	*07/12/15 12:06*	*25*
Nitrobenzene-d5	*0*	*X*	*27 - 110*	*07/02/15 09:35*	*07/12/15 12:06*	*25*
Phenol-d5	*0*	*X*	*23 - 111*	*07/02/15 09:35*	*07/12/15 12:06*	*25*
Terphenyl-d14	*0*	*X*	*20 - 109*	*07/02/15 09:35*	*07/12/15 12:06*	*25*

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

Client Sample ID: WG-9954-062515-SG-024
Date Collected: 06/25/15 12:10
Date Received: 06/26/15 09:00

Lab Sample ID: 180-45456-8
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		1.9	0.27	ug/L		07/02/15 09:35	07/12/15 12:33	1
Acenaphthylene	ND		1.9	0.20	ug/L		07/02/15 09:35	07/12/15 12:33	1
Anthracene	ND		1.9	0.18	ug/L		07/02/15 09:35	07/12/15 12:33	1
Benzo[a]anthracene	ND		1.9	0.34	ug/L		07/02/15 09:35	07/12/15 12:33	1
Benzo[b]fluoranthene	ND		1.9	0.45	ug/L		07/02/15 09:35	07/12/15 12:33	1
Benzo[k]fluoranthene	ND		1.9	0.28	ug/L		07/02/15 09:35	07/12/15 12:33	1
Benzoic acid	ND		46	15	ug/L		07/02/15 09:35	07/12/15 12:33	1
Benzo[g,h,i]perylene	ND		1.9	0.27	ug/L		07/02/15 09:35	07/12/15 12:33	1
Benzo[a]pyrene	ND		1.9	0.26	ug/L		07/02/15 09:35	07/12/15 12:33	1
Benzyl alcohol	ND		9.3	1.8	ug/L		07/02/15 09:35	07/12/15 12:33	1
Bis(2-chloroethoxy)methane	ND		9.3	1.2	ug/L		07/02/15 09:35	07/12/15 12:33	1
Bis(2-chloroethyl)ether	ND		9.3	0.29	ug/L		07/02/15 09:35	07/12/15 12:33	1
Bis(2-ethylhexyl) phthalate	ND		19	4.1	ug/L		07/02/15 09:35	07/12/15 12:33	1
4-Bromophenyl phenyl ether	ND		9.3	1.1	ug/L		07/02/15 09:35	07/12/15 12:33	1
Butyl benzyl phthalate	ND		9.3	2.0	ug/L		07/02/15 09:35	07/12/15 12:33	1
4-Chloroaniline	ND		9.3	2.7	ug/L		07/02/15 09:35	07/12/15 12:33	1
4-Chloro-3-methylphenol	ND		9.3	1.6	ug/L		07/02/15 09:35	07/12/15 12:33	1
2-Chloronaphthalene	ND		1.9	0.28	ug/L		07/02/15 09:35	07/12/15 12:33	1
2-Chlorophenol	ND		9.3	2.1	ug/L		07/02/15 09:35	07/12/15 12:33	1
4-Chlorophenyl phenyl ether	ND		9.3	0.74	ug/L		07/02/15 09:35	07/12/15 12:33	1
Chrysene	ND		1.9	0.29	ug/L		07/02/15 09:35	07/12/15 12:33	1
Dibenz(a,h)anthracene	ND		1.9	0.25	ug/L		07/02/15 09:35	07/12/15 12:33	1
Dibenzofuran	ND		9.3	0.89	ug/L		07/02/15 09:35	07/12/15 12:33	1
Di-n-butyl phthalate	ND		9.3	2.2	ug/L		07/02/15 09:35	07/12/15 12:33	1
1,2-Dichlorobenzene	ND		9.3	1.0	ug/L		07/02/15 09:35	07/12/15 12:33	1
1,3-Dichlorobenzene	ND		9.3	0.70	ug/L		07/02/15 09:35	07/12/15 12:33	1
3,3'-Dichlorobenzidine	ND		9.3	1.4	ug/L		07/02/15 09:35	07/12/15 12:33	1
2,4-Dichlorophenol	ND		9.3	0.62	ug/L		07/02/15 09:35	07/12/15 12:33	1
Diethyl phthalate	ND		9.3	2.7	ug/L		07/02/15 09:35	07/12/15 12:33	1
2,4-Dimethylphenol	ND		9.3	1.6	ug/L		07/02/15 09:35	07/12/15 12:33	1
Dimethyl phthalate	ND		9.3	1.7	ug/L		07/02/15 09:35	07/12/15 12:33	1
4,6-Dinitro-2-methylphenol	ND		46	14	ug/L		07/02/15 09:35	07/12/15 12:33	1
2,4-Dinitrophenol	ND		46	23	ug/L		07/02/15 09:35	07/12/15 12:33	1
2,4-Dinitrotoluene	ND		9.3	2.0	ug/L		07/02/15 09:35	07/12/15 12:33	1
2,6-Dinitrotoluene	ND		9.3	1.3	ug/L		07/02/15 09:35	07/12/15 12:33	1
Di-n-octyl phthalate	ND		9.3	1.9	ug/L		07/02/15 09:35	07/12/15 12:33	1
Fluoranthene	ND		1.9	0.20	ug/L		07/02/15 09:35	07/12/15 12:33	1
Fluorene	ND		1.9	0.22	ug/L		07/02/15 09:35	07/12/15 12:33	1
Hexachlorobenzene	ND		9.3	0.56	ug/L		07/02/15 09:35	07/12/15 12:33	1
Hexachlorobutadiene	ND		9.3	0.87	ug/L		07/02/15 09:35	07/12/15 12:33	1
Hexachlorocyclopentadiene	ND		9.3	1.3	ug/L		07/02/15 09:35	07/12/15 12:33	1
Hexachloroethane	ND		9.3	1.3	ug/L		07/02/15 09:35	07/12/15 12:33	1
Indeno[1,2,3-cd]pyrene	ND		1.9	0.40	ug/L		07/02/15 09:35	07/12/15 12:33	1
Isophorone	ND		9.3	0.68	ug/L		07/02/15 09:35	07/12/15 12:33	1
2-Methylnaphthalene	ND		1.9	0.18	ug/L		07/02/15 09:35	07/12/15 12:33	1
2-Methylphenol	ND		9.3	1.7	ug/L		07/02/15 09:35	07/12/15 12:33	1
4-Methylphenol	ND		9.3	1.9	ug/L		07/02/15 09:35	07/12/15 12:33	1
Naphthalene	ND		1.9	0.21	ug/L		07/02/15 09:35	07/12/15 12:33	1
2-Nitroaniline	ND		46	6.2	ug/L		07/02/15 09:35	07/12/15 12:33	1

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

Client Sample ID: WG-9954-062515-SG-024
Date Collected: 06/25/15 12:10
Date Received: 06/26/15 09:00

Lab Sample ID: 180-45456-8
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		46	7.5	ug/L		07/02/15 09:35	07/12/15 12:33	1
4-Nitroaniline	ND		46	7.2	ug/L		07/02/15 09:35	07/12/15 12:33	1
Nitrobenzene	ND		19	1.4	ug/L		07/02/15 09:35	07/12/15 12:33	1
2-Nitrophenol	ND		9.3	1.0	ug/L		07/02/15 09:35	07/12/15 12:33	1
4-Nitrophenol	ND		46	7.4	ug/L		07/02/15 09:35	07/12/15 12:33	1
N-Nitrosodiphenylamine	ND		9.3	1.1	ug/L		07/02/15 09:35	07/12/15 12:33	1
N-Nitrosodi-n-propylamine	ND		9.3	0.46	ug/L		07/02/15 09:35	07/12/15 12:33	1
Pentachlorophenol	ND		9.3	4.6	ug/L		07/02/15 09:35	07/12/15 12:33	1
Phenanthrene	ND		1.9	0.38	ug/L		07/02/15 09:35	07/12/15 12:33	1
Phenol	ND		9.3	0.51	ug/L		07/02/15 09:35	07/12/15 12:33	1
Pyrene	ND		1.9	0.21	ug/L		07/02/15 09:35	07/12/15 12:33	1
1,2,4-Trichlorobenzene	ND		9.3	0.79	ug/L		07/02/15 09:35	07/12/15 12:33	1
2,4,5-Trichlorophenol	ND		9.3	1.1	ug/L		07/02/15 09:35	07/12/15 12:33	1
2,4,6-Trichlorophenol	ND		9.3	2.8	ug/L		07/02/15 09:35	07/12/15 12:33	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*				*07/02/15 09:35*	*07/12/15 12:33*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*87*		*28 - 106*	*07/02/15 09:35*	*07/12/15 12:33*	*1*
2-Fluorophenol	*79*		*20 - 108*	*07/02/15 09:35*	*07/12/15 12:33*	*1*
2,4,6-Tribromophenol	*71*		*25 - 118*	*07/02/15 09:35*	*07/12/15 12:33*	*1*
Nitrobenzene-d5	*91*		*27 - 110*	*07/02/15 09:35*	*07/12/15 12:33*	*1*
Phenol-d5	*77*		*23 - 111*	*07/02/15 09:35*	*07/12/15 12:33*	*1*
Terphenyl-d14	*46*		*20 - 109*	*07/02/15 09:35*	*07/12/15 12:33*	*1*

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

Client Sample ID: WG-9954-062515-SG-025
Date Collected: 06/25/15 13:30
Date Received: 06/26/15 09:00

Lab Sample ID: 180-45456-9
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		1.9	0.27	ug/L		07/02/15 09:35	07/12/15 13:00	1
Acenaphthylene	ND		1.9	0.20	ug/L		07/02/15 09:35	07/12/15 13:00	1
Anthracene	ND		1.9	0.18	ug/L		07/02/15 09:35	07/12/15 13:00	1
Benzo[a]anthracene	ND		1.9	0.34	ug/L		07/02/15 09:35	07/12/15 13:00	1
Benzo[b]fluoranthene	ND		1.9	0.45	ug/L		07/02/15 09:35	07/12/15 13:00	1
Benzo[k]fluoranthene	ND		1.9	0.28	ug/L		07/02/15 09:35	07/12/15 13:00	1
Benzoic acid	ND		46	15	ug/L		07/02/15 09:35	07/12/15 13:00	1
Benzo[g,h,i]perylene	ND		1.9	0.27	ug/L		07/02/15 09:35	07/12/15 13:00	1
Benzo[a]pyrene	ND		1.9	0.26	ug/L		07/02/15 09:35	07/12/15 13:00	1
Benzyl alcohol	ND		9.3	1.8	ug/L		07/02/15 09:35	07/12/15 13:00	1
Bis(2-chloroethoxy)methane	ND		9.3	1.2	ug/L		07/02/15 09:35	07/12/15 13:00	1
Bis(2-chloroethyl)ether	ND		9.3	0.29	ug/L		07/02/15 09:35	07/12/15 13:00	1
Bis(2-ethylhexyl) phthalate	ND		19	4.1	ug/L		07/02/15 09:35	07/12/15 13:00	1
4-Bromophenyl phenyl ether	ND		9.3	1.1	ug/L		07/02/15 09:35	07/12/15 13:00	1
Butyl benzyl phthalate	ND		9.3	2.0	ug/L		07/02/15 09:35	07/12/15 13:00	1
4-Chloroaniline	ND		9.3	2.7	ug/L		07/02/15 09:35	07/12/15 13:00	1
4-Chloro-3-methylphenol	ND		9.3	1.6	ug/L		07/02/15 09:35	07/12/15 13:00	1
2-Chloronaphthalene	ND		1.9	0.28	ug/L		07/02/15 09:35	07/12/15 13:00	1
2-Chlorophenol	ND		9.3	2.1	ug/L		07/02/15 09:35	07/12/15 13:00	1
4-Chlorophenyl phenyl ether	ND		9.3	0.74	ug/L		07/02/15 09:35	07/12/15 13:00	1
Chrysene	ND		1.9	0.29	ug/L		07/02/15 09:35	07/12/15 13:00	1
Dibenz(a,h)anthracene	ND		1.9	0.25	ug/L		07/02/15 09:35	07/12/15 13:00	1
Dibenzofuran	ND		9.3	0.89	ug/L		07/02/15 09:35	07/12/15 13:00	1
Di-n-butyl phthalate	ND		9.3	2.2	ug/L		07/02/15 09:35	07/12/15 13:00	1
1,2-Dichlorobenzene	ND		9.3	1.0	ug/L		07/02/15 09:35	07/12/15 13:00	1
1,3-Dichlorobenzene	ND		9.3	0.70	ug/L		07/02/15 09:35	07/12/15 13:00	1
3,3'-Dichlorobenzidine	ND		9.3	1.4	ug/L		07/02/15 09:35	07/12/15 13:00	1
2,4-Dichlorophenol	ND		9.3	0.62	ug/L		07/02/15 09:35	07/12/15 13:00	1
Diethyl phthalate	ND		9.3	2.7	ug/L		07/02/15 09:35	07/12/15 13:00	1
2,4-Dimethylphenol	ND		9.3	1.6	ug/L		07/02/15 09:35	07/12/15 13:00	1
Dimethyl phthalate	ND		9.3	1.7	ug/L		07/02/15 09:35	07/12/15 13:00	1
4,6-Dinitro-2-methylphenol	ND		46	14	ug/L		07/02/15 09:35	07/12/15 13:00	1
2,4-Dinitrophenol	ND		46	23	ug/L		07/02/15 09:35	07/12/15 13:00	1
2,4-Dinitrotoluene	ND		9.3	2.0	ug/L		07/02/15 09:35	07/12/15 13:00	1
2,6-Dinitrotoluene	ND		9.3	1.3	ug/L		07/02/15 09:35	07/12/15 13:00	1
Di-n-octyl phthalate	ND		9.3	1.9	ug/L		07/02/15 09:35	07/12/15 13:00	1
Fluoranthene	ND		1.9	0.20	ug/L		07/02/15 09:35	07/12/15 13:00	1
Fluorene	ND		1.9	0.22	ug/L		07/02/15 09:35	07/12/15 13:00	1
Hexachlorobenzene	ND		9.3	0.56	ug/L		07/02/15 09:35	07/12/15 13:00	1
Hexachlorobutadiene	ND		9.3	0.87	ug/L		07/02/15 09:35	07/12/15 13:00	1
Hexachlorocyclopentadiene	ND		9.3	1.3	ug/L		07/02/15 09:35	07/12/15 13:00	1
Hexachloroethane	ND		9.3	1.3	ug/L		07/02/15 09:35	07/12/15 13:00	1
Indeno[1,2,3-cd]pyrene	ND		1.9	0.40	ug/L		07/02/15 09:35	07/12/15 13:00	1
Isophorone	ND		9.3	0.68	ug/L		07/02/15 09:35	07/12/15 13:00	1
2-Methylnaphthalene	ND		1.9	0.18	ug/L		07/02/15 09:35	07/12/15 13:00	1
2-Methylphenol	ND		9.3	1.7	ug/L		07/02/15 09:35	07/12/15 13:00	1
4-Methylphenol	ND		9.3	1.9	ug/L		07/02/15 09:35	07/12/15 13:00	1
Naphthalene	ND		1.9	0.21	ug/L		07/02/15 09:35	07/12/15 13:00	1
2-Nitroaniline	ND		46	6.2	ug/L		07/02/15 09:35	07/12/15 13:00	1

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

Client Sample ID: WG-9954-062515-SG-025
Date Collected: 06/25/15 13:30
Date Received: 06/26/15 09:00

Lab Sample ID: 180-45456-9
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		46	7.5	ug/L		07/02/15 09:35	07/12/15 13:00	1
4-Nitroaniline	ND		46	7.2	ug/L		07/02/15 09:35	07/12/15 13:00	1
Nitrobenzene	ND		19	1.4	ug/L		07/02/15 09:35	07/12/15 13:00	1
2-Nitrophenol	ND		9.3	1.0	ug/L		07/02/15 09:35	07/12/15 13:00	1
4-Nitrophenol	ND		46	7.4	ug/L		07/02/15 09:35	07/12/15 13:00	1
N-Nitrosodiphenylamine	ND		9.3	1.1	ug/L		07/02/15 09:35	07/12/15 13:00	1
N-Nitrosodi-n-propylamine	ND		9.3	0.46	ug/L		07/02/15 09:35	07/12/15 13:00	1
Pentachlorophenol	ND		9.3	4.6	ug/L		07/02/15 09:35	07/12/15 13:00	1
Phenanthrene	ND		1.9	0.38	ug/L		07/02/15 09:35	07/12/15 13:00	1
Phenol	ND		9.3	0.51	ug/L		07/02/15 09:35	07/12/15 13:00	1
Pyrene	ND		1.9	0.21	ug/L		07/02/15 09:35	07/12/15 13:00	1
1,2,4-Trichlorobenzene	ND		9.3	0.79	ug/L		07/02/15 09:35	07/12/15 13:00	1
2,4,5-Trichlorophenol	ND		9.3	1.1	ug/L		07/02/15 09:35	07/12/15 13:00	1
2,4,6-Trichlorophenol	ND		9.3	2.8	ug/L		07/02/15 09:35	07/12/15 13:00	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*24*	*T J*	*ug/L*		*18.31*		*07/02/15 09:35*	*07/12/15 13:00*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*75*		*28 - 106*	*07/02/15 09:35*	*07/12/15 13:00*	*1*
2-Fluorophenol	*62*		*20 - 108*	*07/02/15 09:35*	*07/12/15 13:00*	*1*
2,4,6-Tribromophenol	*57*		*25 - 118*	*07/02/15 09:35*	*07/12/15 13:00*	*1*
Nitrobenzene-d5	*77*		*27 - 110*	*07/02/15 09:35*	*07/12/15 13:00*	*1*
Phenol-d5	*64*		*23 - 111*	*07/02/15 09:35*	*07/12/15 13:00*	*1*
Terphenyl-d14	*69*		*20 - 109*	*07/02/15 09:35*	*07/12/15 13:00*	*1*

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

Client Sample ID: WG-9954-062515-SG-027
Date Collected: 06/25/15 15:00
Date Received: 06/26/15 09:00

Lab Sample ID: 180-45456-10
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		1.9	0.27	ug/L		07/02/15 09:35	07/12/15 13:28	1
Acenaphthylene	ND		1.9	0.20	ug/L		07/02/15 09:35	07/12/15 13:28	1
Anthracene	ND		1.9	0.18	ug/L		07/02/15 09:35	07/12/15 13:28	1
Benzo[a]anthracene	ND		1.9	0.34	ug/L		07/02/15 09:35	07/12/15 13:28	1
Benzo[b]fluoranthene	ND		1.9	0.45	ug/L		07/02/15 09:35	07/12/15 13:28	1
Benzo[k]fluoranthene	ND		1.9	0.28	ug/L		07/02/15 09:35	07/12/15 13:28	1
Benzoic acid	ND		46	15	ug/L		07/02/15 09:35	07/12/15 13:28	1
Benzo[g,h,i]perylene	ND		1.9	0.27	ug/L		07/02/15 09:35	07/12/15 13:28	1
Benzo[a]pyrene	ND		1.9	0.26	ug/L		07/02/15 09:35	07/12/15 13:28	1
Benzyl alcohol	ND		9.3	1.8	ug/L		07/02/15 09:35	07/12/15 13:28	1
Bis(2-chloroethoxy)methane	ND		9.3	1.2	ug/L		07/02/15 09:35	07/12/15 13:28	1
Bis(2-chloroethyl)ether	ND		9.3	0.29	ug/L		07/02/15 09:35	07/12/15 13:28	1
Bis(2-ethylhexyl) phthalate	ND		19	4.1	ug/L		07/02/15 09:35	07/12/15 13:28	1
4-Bromophenyl phenyl ether	ND		9.3	1.1	ug/L		07/02/15 09:35	07/12/15 13:28	1
Butyl benzyl phthalate	ND		9.3	2.0	ug/L		07/02/15 09:35	07/12/15 13:28	1
4-Chloroaniline	ND		9.3	2.7	ug/L		07/02/15 09:35	07/12/15 13:28	1
4-Chloro-3-methylphenol	ND		9.3	1.6	ug/L		07/02/15 09:35	07/12/15 13:28	1
2-Chloronaphthalene	ND		1.9	0.28	ug/L		07/02/15 09:35	07/12/15 13:28	1
2-Chlorophenol	ND		9.3	2.1	ug/L		07/02/15 09:35	07/12/15 13:28	1
4-Chlorophenyl phenyl ether	ND		9.3	0.74	ug/L		07/02/15 09:35	07/12/15 13:28	1
Chrysene	ND		1.9	0.29	ug/L		07/02/15 09:35	07/12/15 13:28	1
Dibenz(a,h)anthracene	ND		1.9	0.25	ug/L		07/02/15 09:35	07/12/15 13:28	1
Dibenzofuran	ND		9.3	0.89	ug/L		07/02/15 09:35	07/12/15 13:28	1
Di-n-butyl phthalate	ND		9.3	2.2	ug/L		07/02/15 09:35	07/12/15 13:28	1
1,2-Dichlorobenzene	ND		9.3	1.0	ug/L		07/02/15 09:35	07/12/15 13:28	1
1,3-Dichlorobenzene	ND		9.3	0.70	ug/L		07/02/15 09:35	07/12/15 13:28	1
3,3'-Dichlorobenzidine	ND		9.3	1.4	ug/L		07/02/15 09:35	07/12/15 13:28	1
2,4-Dichlorophenol	ND		9.3	0.62	ug/L		07/02/15 09:35	07/12/15 13:28	1
Diethyl phthalate	**2.7**	**J**	9.3	2.7	ug/L		07/02/15 09:35	07/12/15 13:28	1
2,4-Dimethylphenol	ND		9.3	1.6	ug/L		07/02/15 09:35	07/12/15 13:28	1
Dimethyl phthalate	ND		9.3	1.7	ug/L		07/02/15 09:35	07/12/15 13:28	1
4,6-Dinitro-2-methylphenol	ND		46	14	ug/L		07/02/15 09:35	07/12/15 13:28	1
2,4-Dinitrophenol	ND		46	23	ug/L		07/02/15 09:35	07/12/15 13:28	1
2,4-Dinitrotoluene	ND		9.3	2.0	ug/L		07/02/15 09:35	07/12/15 13:28	1
2,6-Dinitrotoluene	ND		9.3	1.3	ug/L		07/02/15 09:35	07/12/15 13:28	1
Di-n-octyl phthalate	ND		9.3	1.9	ug/L		07/02/15 09:35	07/12/15 13:28	1
Fluoranthene	ND		1.9	0.20	ug/L		07/02/15 09:35	07/12/15 13:28	1
Fluorene	ND		1.9	0.22	ug/L		07/02/15 09:35	07/12/15 13:28	1
Hexachlorobenzene	ND		9.3	0.56	ug/L		07/02/15 09:35	07/12/15 13:28	1
Hexachlorobutadiene	ND		9.3	0.87	ug/L		07/02/15 09:35	07/12/15 13:28	1
Hexachlorocyclopentadiene	ND		9.3	1.3	ug/L		07/02/15 09:35	07/12/15 13:28	1
Hexachloroethane	ND		9.3	1.3	ug/L		07/02/15 09:35	07/12/15 13:28	1
Indeno[1,2,3-cd]pyrene	ND		1.9	0.40	ug/L		07/02/15 09:35	07/12/15 13:28	1
Isophorone	ND		9.3	0.68	ug/L		07/02/15 09:35	07/12/15 13:28	1
2-Methylnaphthalene	ND		1.9	0.18	ug/L		07/02/15 09:35	07/12/15 13:28	1
2-Methylphenol	ND		9.3	1.7	ug/L		07/02/15 09:35	07/12/15 13:28	1
4-Methylphenol	ND		9.3	1.9	ug/L		07/02/15 09:35	07/12/15 13:28	1
Naphthalene	ND		1.9	0.21	ug/L		07/02/15 09:35	07/12/15 13:28	1
2-Nitroaniline	ND		46	6.2	ug/L		07/02/15 09:35	07/12/15 13:28	1

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

Client Sample ID: WG-9954-062515-SG-027
Date Collected: 06/25/15 15:00
Date Received: 06/26/15 09:00

Lab Sample ID: 180-45456-10
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		46	7.5	ug/L		07/02/15 09:35	07/12/15 13:28	1
4-Nitroaniline	ND		46	7.2	ug/L		07/02/15 09:35	07/12/15 13:28	1
Nitrobenzene	ND		19	1.4	ug/L		07/02/15 09:35	07/12/15 13:28	1
2-Nitrophenol	ND		9.3	1.0	ug/L		07/02/15 09:35	07/12/15 13:28	1
4-Nitrophenol	ND		46	7.4	ug/L		07/02/15 09:35	07/12/15 13:28	1
N-Nitrosodiphenylamine	ND		9.3	1.1	ug/L		07/02/15 09:35	07/12/15 13:28	1
N-Nitrosodi-n-propylamine	ND		9.3	0.46	ug/L		07/02/15 09:35	07/12/15 13:28	1
Pentachlorophenol	ND		9.3	4.6	ug/L		07/02/15 09:35	07/12/15 13:28	1
Phenanthrene	ND		1.9	0.38	ug/L		07/02/15 09:35	07/12/15 13:28	1
Phenol	ND		9.3	0.51	ug/L		07/02/15 09:35	07/12/15 13:28	1
Pyrene	ND		1.9	0.21	ug/L		07/02/15 09:35	07/12/15 13:28	1
1,2,4-Trichlorobenzene	ND		9.3	0.79	ug/L		07/02/15 09:35	07/12/15 13:28	1
2,4,5-Trichlorophenol	ND		9.3	1.1	ug/L		07/02/15 09:35	07/12/15 13:28	1
2,4,6-Trichlorophenol	ND		9.3	2.8	ug/L		07/02/15 09:35	07/12/15 13:28	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*7.3*	*T J*	*ug/L*		*6.07*		*07/02/15 09:35*	*07/12/15 13:28*	*1*
Unknown	*5.4*	*T J*	*ug/L*		*8.30*		*07/02/15 09:35*	*07/12/15 13:28*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*96*		*28 - 106*	*07/02/15 09:35*	*07/12/15 13:28*	*1*
2-Fluorophenol	*87*		*20 - 108*	*07/02/15 09:35*	*07/12/15 13:28*	*1*
2,4,6-Tribromophenol	*65*		*25 - 118*	*07/02/15 09:35*	*07/12/15 13:28*	*1*
Nitrobenzene-d5	*98*		*27 - 110*	*07/02/15 09:35*	*07/12/15 13:28*	*1*
Phenol-d5	*86*		*23 - 111*	*07/02/15 09:35*	*07/12/15 13:28*	*1*
Terphenyl-d14	*92*		*20 - 109*	*07/02/15 09:35*	*07/12/15 13:28*	*1*

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

Client Sample ID: WG-9954-062515-SG-023
Date Collected: 06/25/15 14:20
Date Received: 06/26/15 09:00

Lab Sample ID: 180-45456-7
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		190	27	ug/L		07/02/15 09:35	07/13/15 08:30	100
Acenaphthylene	ND		190	20	ug/L		07/02/15 09:35	07/13/15 08:30	100
Anthracene	ND		190	18	ug/L		07/02/15 09:35	07/13/15 08:30	100
Benzo[a]anthracene	ND		190	34	ug/L		07/02/15 09:35	07/13/15 08:30	100
Benzo[b]fluoranthene	ND		190	45	ug/L		07/02/15 09:35	07/13/15 08:30	100
Benzo[k]fluoranthene	ND		190	28	ug/L		07/02/15 09:35	07/13/15 08:30	100
Benzoic acid	**16000**		4600	1500	ug/L		07/02/15 09:35	07/13/15 08:30	100
Benzo[g,h,i]perylene	ND		190	27	ug/L		07/02/15 09:35	07/13/15 08:30	100
Benzo[a]pyrene	ND		190	26	ug/L		07/02/15 09:35	07/13/15 08:30	100
Benzyl alcohol	**360**	**J**	930	180	ug/L		07/02/15 09:35	07/13/15 08:30	100
Bis(2-chloroethoxy)methane	ND		930	120	ug/L		07/02/15 09:35	07/13/15 08:30	100
Bis(2-chloroethyl)ether	ND		930	29	ug/L		07/02/15 09:35	07/13/15 08:30	100
Bis(2-ethylhexyl) phthalate	ND		1900	410	ug/L		07/02/15 09:35	07/13/15 08:30	100
4-Bromophenyl phenyl ether	ND		930	110	ug/L		07/02/15 09:35	07/13/15 08:30	100
Butyl benzyl phthalate	ND		930	200	ug/L		07/02/15 09:35	07/13/15 08:30	100
4-Chloroaniline	ND		930	270	ug/L		07/02/15 09:35	07/13/15 08:30	100
4-Chloro-3-methylphenol	ND		930	160	ug/L		07/02/15 09:35	07/13/15 08:30	100
2-Chloronaphthalene	ND		190	28	ug/L		07/02/15 09:35	07/13/15 08:30	100
2-Chlorophenol	ND		930	210	ug/L		07/02/15 09:35	07/13/15 08:30	100
4-Chlorophenyl phenyl ether	ND		930	74	ug/L		07/02/15 09:35	07/13/15 08:30	100
Chrysene	ND		190	29	ug/L		07/02/15 09:35	07/13/15 08:30	100
Dibenz(a,h)anthracene	ND		190	25	ug/L		07/02/15 09:35	07/13/15 08:30	100
Dibenzofuran	ND		930	89	ug/L		07/02/15 09:35	07/13/15 08:30	100
Di-n-butyl phthalate	ND		930	220	ug/L		07/02/15 09:35	07/13/15 08:30	100
1,2-Dichlorobenzene	ND		930	100	ug/L		07/02/15 09:35	07/13/15 08:30	100
1,3-Dichlorobenzene	ND		930	70	ug/L		07/02/15 09:35	07/13/15 08:30	100
3,3'-Dichlorobenzidine	ND		930	140	ug/L		07/02/15 09:35	07/13/15 08:30	100
2,4-Dichlorophenol	**950**		930	62	ug/L		07/02/15 09:35	07/13/15 08:30	100
Diethyl phthalate	ND		930	270	ug/L		07/02/15 09:35	07/13/15 08:30	100
2,4-Dimethylphenol	ND		930	160	ug/L		07/02/15 09:35	07/13/15 08:30	100
Dimethyl phthalate	ND		930	170	ug/L		07/02/15 09:35	07/13/15 08:30	100
4,6-Dinitro-2-methylphenol	ND		4600	1400	ug/L		07/02/15 09:35	07/13/15 08:30	100
2,4-Dinitrophenol	ND		4600	2300	ug/L		07/02/15 09:35	07/13/15 08:30	100
2,4-Dinitrotoluene	ND		930	200	ug/L		07/02/15 09:35	07/13/15 08:30	100
2,6-Dinitrotoluene	ND		930	130	ug/L		07/02/15 09:35	07/13/15 08:30	100
Di-n-octyl phthalate	ND		930	190	ug/L		07/02/15 09:35	07/13/15 08:30	100
Fluoranthene	ND		190	20	ug/L		07/02/15 09:35	07/13/15 08:30	100
Fluorene	ND		190	22	ug/L		07/02/15 09:35	07/13/15 08:30	100
Hexachlorobenzene	ND		930	56	ug/L		07/02/15 09:35	07/13/15 08:30	100
Hexachlorobutadiene	ND		930	87	ug/L		07/02/15 09:35	07/13/15 08:30	100
Hexachlorocyclopentadiene	ND		930	130	ug/L		07/02/15 09:35	07/13/15 08:30	100
Hexachloroethane	ND		930	130	ug/L		07/02/15 09:35	07/13/15 08:30	100
Indeno[1,2,3-cd]pyrene	ND		190	40	ug/L		07/02/15 09:35	07/13/15 08:30	100
Isophorone	ND		930	68	ug/L		07/02/15 09:35	07/13/15 08:30	100
2-Methylnaphthalene	ND		190	18	ug/L		07/02/15 09:35	07/13/15 08:30	100
2-Methylphenol	ND		930	170	ug/L		07/02/15 09:35	07/13/15 08:30	100
4-Methylphenol	ND		930	190	ug/L		07/02/15 09:35	07/13/15 08:30	100
Naphthalene	ND		190	21	ug/L		07/02/15 09:35	07/13/15 08:30	100
2-Nitroaniline	ND		4600	620	ug/L		07/02/15 09:35	07/13/15 08:30	100

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

Client Sample ID: WG-9954-062515-SG-023
Date Collected: 06/25/15 14:20
Date Received: 06/26/15 09:00

Lab Sample ID: 180-45456-7
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		4600	750	ug/L		07/02/15 09:35	07/13/15 08:30	100
4-Nitroaniline	ND		4600	720	ug/L		07/02/15 09:35	07/13/15 08:30	100
Nitrobenzene	ND		1900	140	ug/L		07/02/15 09:35	07/13/15 08:30	100
2-Nitrophenol	ND		930	100	ug/L		07/02/15 09:35	07/13/15 08:30	100
4-Nitrophenol	ND		4600	740	ug/L		07/02/15 09:35	07/13/15 08:30	100
N-Nitrosodiphenylamine	ND		930	110	ug/L		07/02/15 09:35	07/13/15 08:30	100
N-Nitrosodi-n-propylamine	ND		930	46	ug/L		07/02/15 09:35	07/13/15 08:30	100
Pentachlorophenol	ND		930	460	ug/L		07/02/15 09:35	07/13/15 08:30	100
Phenanthrene	ND		190	38	ug/L		07/02/15 09:35	07/13/15 08:30	100
Phenol	**100**	**J**	930	51	ug/L		07/02/15 09:35	07/13/15 08:30	100
Pyrene	ND		190	21	ug/L		07/02/15 09:35	07/13/15 08:30	100
1,2,4-Trichlorobenzene	**80**	**J**	930	79	ug/L		07/02/15 09:35	07/13/15 08:30	100
2,4,5-Trichlorophenol	ND		930	110	ug/L		07/02/15 09:35	07/13/15 08:30	100
2,4,6-Trichlorophenol	ND		930	280	ug/L		07/02/15 09:35	07/13/15 08:30	100

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*630*	*T J*	*ug/L*		*3.74*		*07/02/15 09:35*	*07/13/15 08:30*	*100*
Benzene, 1-chloro-2-methyl-	*8100*	*T J N*	*ug/L*		*5.80*	*95-49-8*	*07/02/15 09:35*	*07/13/15 08:30*	*100*
Benzene, 1-chloro-3-methyl-	*4200*	*T J N*	*ug/L*		*5.86*	*108-41-8*	*07/02/15 09:35*	*07/13/15 08:30*	*100*
Benzene, 1,2-dichloro-4-methyl-	*430*	*T J N*	*ug/L*		*7.13*	*95-75-0*	*07/02/15 09:35*	*07/13/15 08:30*	*100*
Parachlorophenol	*5500*	*T J N*	*ug/L*		*7.50*	*106-48-9*	*07/02/15 09:35*	*07/13/15 08:30*	*100*
Benzenemethanol, 2-chloro-	*470*	*T J N*	*ug/L*		*7.68*	*17849-38-6*	*07/02/15 09:35*	*07/13/15 08:30*	*100*
Benzoic acid, 4-chloro-	*3400*	*T J N*	*ug/L*		*8.27*	*74-11-3*	*07/02/15 09:35*	*07/13/15 08:30*	*100*
Benzoic acid, 2-chloro-	*2000*	*T J N*	*ug/L*		*8.45*	*118-91-2*	*07/02/15 09:35*	*07/13/15 08:30*	*100*
Phenol, 3,4-dichloro-	*810*	*T J N*	*ug/L*		*8.72*	*95-77-2*	*07/02/15 09:35*	*07/13/15 08:30*	*100*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*0*	*D X*	*28 - 106*	*07/02/15 09:35*	*07/13/15 08:30*	*100*
2-Fluorophenol	*0*	*D X*	*20 - 108*	*07/02/15 09:35*	*07/13/15 08:30*	*100*
2,4,6-Tribromophenol	*0*	*D X*	*25 - 118*	*07/02/15 09:35*	*07/13/15 08:30*	*100*
Nitrobenzene-d5	*0*	*D X*	*27 - 110*	*07/02/15 09:35*	*07/13/15 08:30*	*100*
Phenol-d5	*0*	*D X*	*23 - 111*	*07/02/15 09:35*	*07/13/15 08:30*	*100*
Terphenyl-d14	*0*	*D X*	*20 - 109*	*07/02/15 09:35*	*07/13/15 08:30*	*100*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45456-1

Method: 8081B - Organochlorine Pesticides (GC)

Client Sample ID: RB-9954-062515-SG-026
Date Collected: 06/25/15 14:20
Date Received: 06/26/15 09:00

Lab Sample ID: 180-45456-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.050	0.033	ug/L		06/29/15 08:50	07/07/15 17:31	1
alpha-BHC	ND		0.050	0.027	ug/L		06/29/15 08:50	07/07/15 17:31	1
beta-BHC	ND		0.050	0.040	ug/L		06/29/15 08:50	07/07/15 17:31	1
delta-BHC	ND		0.050	0.017	ug/L		06/29/15 08:50	07/07/15 17:31	1
gamma-BHC (Lindane)	ND		0.050	0.032	ug/L		06/29/15 08:50	07/07/15 17:31	1
alpha-Chlordane	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 17:31	1
gamma-Chlordane	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 17:31	1
4,4'-DDD	ND		0.050	0.027	ug/L		06/29/15 08:50	07/07/15 17:31	1
4,4'-DDE	ND		0.050	0.032	ug/L		06/29/15 08:50	07/07/15 17:31	1
4,4'-DDT	ND		0.050	0.030	ug/L		06/29/15 08:50	07/07/15 17:31	1
Dieldrin	ND		0.050	0.033	ug/L		06/29/15 08:50	07/07/15 17:31	1
Endosulfan I	ND		0.050	0.038	ug/L		06/29/15 08:50	07/07/15 17:31	1
Endosulfan II	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 17:31	1
Endosulfan sulfate	ND		0.050	0.023	ug/L		06/29/15 08:50	07/07/15 17:31	1
Endrin	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 17:31	1
Endrin ketone	ND		0.050	0.037	ug/L		06/29/15 08:50	07/07/15 17:31	1
Heptachlor	ND		0.050	0.040	ug/L		06/29/15 08:50	07/07/15 17:31	1
Heptachlor epoxide	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 17:31	1
Methoxychlor	ND		0.10	0.037	ug/L		06/29/15 08:50	07/07/15 17:31	1
Toxaphene	ND		4.0	0.74	ug/L		06/29/15 08:50	07/07/15 17:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*83*		*45 - 130*	*06/29/15 08:50*	*07/07/15 17:31*	*1*
Tetrachloro-m-xylene	*78*		*45 - 130*	*06/29/15 08:50*	*07/07/15 17:31*	*1*
DCB Decachlorobiphenyl (Surr)	*86*		*45 - 130*	*06/29/15 08:50*	*07/07/15 17:31*	*1*
DCB Decachlorobiphenyl (Surr)	*81*		*45 - 130*	*06/29/15 08:50*	*07/07/15 17:31*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45456-1

Method: 8081B - Organochlorine Pesticides (GC)

Client Sample ID: WG-9954-062515-SG-017
Date Collected: 06/25/15 11:00
Date Received: 06/26/15 09:00

Lab Sample ID: 180-45456-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.050	0.033	ug/L		06/29/15 08:50	07/07/15 17:47	1
alpha-BHC	ND		0.050	0.027	ug/L		06/29/15 08:50	07/07/15 17:47	1
beta-BHC	ND		0.050	0.040	ug/L		06/29/15 08:50	07/07/15 17:47	1
delta-BHC	ND		0.050	0.017	ug/L		06/29/15 08:50	07/07/15 17:47	1
gamma-BHC (Lindane)	ND		0.050	0.032	ug/L		06/29/15 08:50	07/07/15 17:47	1
alpha-Chlordane	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 17:47	1
gamma-Chlordane	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 17:47	1
4,4'-DDD	ND		0.050	0.027	ug/L		06/29/15 08:50	07/07/15 17:47	1
4,4'-DDE	ND		0.050	0.032	ug/L		06/29/15 08:50	07/07/15 17:47	1
4,4'-DDT	ND		0.050	0.030	ug/L		06/29/15 08:50	07/07/15 17:47	1
Dieldrin	ND		0.050	0.033	ug/L		06/29/15 08:50	07/07/15 17:47	1
Endosulfan I	ND		0.050	0.038	ug/L		06/29/15 08:50	07/07/15 17:47	1
Endosulfan II	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 17:47	1
Endosulfan sulfate	ND		0.050	0.023	ug/L		06/29/15 08:50	07/07/15 17:47	1
Endrin	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 17:47	1
Endrin ketone	ND		0.050	0.037	ug/L		06/29/15 08:50	07/07/15 17:47	1
Heptachlor	ND		0.050	0.040	ug/L		06/29/15 08:50	07/07/15 17:47	1
Heptachlor epoxide	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 17:47	1
Methoxychlor	ND		0.10	0.037	ug/L		06/29/15 08:50	07/07/15 17:47	1
Toxaphene	ND		4.0	0.74	ug/L		06/29/15 08:50	07/07/15 17:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*78*		*45 - 130*	*06/29/15 08:50*	*07/07/15 17:47*	*1*
Tetrachloro-m-xylene	*72*		*45 - 130*	*06/29/15 08:50*	*07/07/15 17:47*	*1*
DCB Decachlorobiphenyl (Surr)	*82*		*45 - 130*	*06/29/15 08:50*	*07/07/15 17:47*	*1*
DCB Decachlorobiphenyl (Surr)	*76*		*45 - 130*	*06/29/15 08:50*	*07/07/15 17:47*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45456-1

Method: 8081B - Organochlorine Pesticides (GC)

Client Sample ID: WG-9954-062515-SG-020
Date Collected: 06/25/15 12:10
Date Received: 06/26/15 09:00

Lab Sample ID: 180-45456-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.050	0.033	ug/L		06/29/15 08:50	07/07/15 18:02	1
alpha-BHC	ND		0.050	0.027	ug/L		06/29/15 08:50	07/07/15 18:02	1
beta-BHC	ND		0.050	0.040	ug/L		06/29/15 08:50	07/07/15 18:02	1
delta-BHC	ND		0.050	0.017	ug/L		06/29/15 08:50	07/07/15 18:02	1
gamma-BHC (Lindane)	ND		0.050	0.032	ug/L		06/29/15 08:50	07/07/15 18:02	1
alpha-Chlordane	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 18:02	1
gamma-Chlordane	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 18:02	1
4,4'-DDD	ND		0.050	0.027	ug/L		06/29/15 08:50	07/07/15 18:02	1
4,4'-DDE	ND		0.050	0.032	ug/L		06/29/15 08:50	07/07/15 18:02	1
4,4'-DDT	ND		0.050	0.030	ug/L		06/29/15 08:50	07/07/15 18:02	1
Dieldrin	ND		0.050	0.033	ug/L		06/29/15 08:50	07/07/15 18:02	1
Endosulfan I	ND		0.050	0.038	ug/L		06/29/15 08:50	07/07/15 18:02	1
Endosulfan II	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 18:02	1
Endosulfan sulfate	ND		0.050	0.023	ug/L		06/29/15 08:50	07/07/15 18:02	1
Endrin	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 18:02	1
Endrin ketone	ND		0.050	0.037	ug/L		06/29/15 08:50	07/07/15 18:02	1
Heptachlor	ND		0.050	0.040	ug/L		06/29/15 08:50	07/07/15 18:02	1
Heptachlor epoxide	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 18:02	1
Methoxychlor	ND		0.10	0.037	ug/L		06/29/15 08:50	07/07/15 18:02	1
Toxaphene	ND		4.0	0.74	ug/L		06/29/15 08:50	07/07/15 18:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*83*		*45 - 130*	*06/29/15 08:50*	*07/07/15 18:02*	*1*
Tetrachloro-m-xylene	*77*		*45 - 130*	*06/29/15 08:50*	*07/07/15 18:02*	*1*
DCB Decachlorobiphenyl (Surr)	*82*		*45 - 130*	*06/29/15 08:50*	*07/07/15 18:02*	*1*
DCB Decachlorobiphenyl (Surr)	*81*		*45 - 130*	*06/29/15 08:50*	*07/07/15 18:02*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45456-1

Method: 8081B - Organochlorine Pesticides (GC)

Client Sample ID: WG-9954-062515-SG-021
Date Collected: 06/25/15 12:35
Date Received: 06/26/15 09:00

Lab Sample ID: 180-45456-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.050	0.033	ug/L		06/29/15 08:50	07/07/15 18:18	1
alpha-BHC	ND		0.050	0.027	ug/L		06/29/15 08:50	07/07/15 18:18	1
beta-BHC	ND		0.050	0.040	ug/L		06/29/15 08:50	07/07/15 18:18	1
delta-BHC	ND		0.050	0.017	ug/L		06/29/15 08:50	07/07/15 18:18	1
gamma-BHC (Lindane)	ND		0.050	0.032	ug/L		06/29/15 08:50	07/07/15 18:18	1
alpha-Chlordane	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 18:18	1
gamma-Chlordane	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 18:18	1
4,4'-DDD	ND		0.050	0.027	ug/L		06/29/15 08:50	07/07/15 18:18	1
4,4'-DDE	ND		0.050	0.032	ug/L		06/29/15 08:50	07/07/15 18:18	1
4,4'-DDT	ND		0.050	0.030	ug/L		06/29/15 08:50	07/07/15 18:18	1
Dieldrin	ND		0.050	0.033	ug/L		06/29/15 08:50	07/07/15 18:18	1
Endosulfan I	ND		0.050	0.038	ug/L		06/29/15 08:50	07/07/15 18:18	1
Endosulfan II	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 18:18	1
Endosulfan sulfate	ND		0.050	0.023	ug/L		06/29/15 08:50	07/07/15 18:18	1
Endrin	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 18:18	1
Endrin ketone	ND		0.050	0.037	ug/L		06/29/15 08:50	07/07/15 18:18	1
Heptachlor	ND		0.050	0.040	ug/L		06/29/15 08:50	07/07/15 18:18	1
Heptachlor epoxide	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 18:18	1
Methoxychlor	ND		0.10	0.037	ug/L		06/29/15 08:50	07/07/15 18:18	1
Toxaphene	ND		4.0	0.74	ug/L		06/29/15 08:50	07/07/15 18:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*81*		*45 - 130*	*06/29/15 08:50*	*07/07/15 18:18*	*1*
Tetrachloro-m-xylene	*73*		*45 - 130*	*06/29/15 08:50*	*07/07/15 18:18*	*1*
DCB Decachlorobiphenyl (Surr)	*87*		*45 - 130*	*06/29/15 08:50*	*07/07/15 18:18*	*1*
DCB Decachlorobiphenyl (Surr)	*81*		*45 - 130*	*06/29/15 08:50*	*07/07/15 18:18*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45456-1

Method: 8081B - Organochlorine Pesticides (GC)

Client Sample ID: WG-9954-062515-SG-022
Date Collected: 06/25/15 13:35
Date Received: 06/26/15 09:00

Lab Sample ID: 180-45456-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.050	0.033	ug/L		06/29/15 08:50	07/07/15 18:33	1
alpha-BHC	ND		0.050	0.027	ug/L		06/29/15 08:50	07/07/15 18:33	1
beta-BHC	ND		0.050	0.040	ug/L		06/29/15 08:50	07/07/15 18:33	1
delta-BHC	ND		0.050	0.017	ug/L		06/29/15 08:50	07/07/15 18:33	1
gamma-BHC (Lindane)	ND		0.050	0.032	ug/L		06/29/15 08:50	07/07/15 18:33	1
alpha-Chlordane	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 18:33	1
gamma-Chlordane	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 18:33	1
4,4'-DDD	**0.045**	**J**	0.050	0.027	ug/L		06/29/15 08:50	07/07/15 18:33	1
4,4'-DDE	ND		0.050	0.032	ug/L		06/29/15 08:50	07/07/15 18:33	1
4,4'-DDT	ND		0.050	0.030	ug/L		06/29/15 08:50	07/07/15 18:33	1
Dieldrin	ND		0.050	0.033	ug/L		06/29/15 08:50	07/07/15 18:33	1
Endosulfan I	ND		0.050	0.038	ug/L		06/29/15 08:50	07/07/15 18:33	1
Endosulfan II	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 18:33	1
Endosulfan sulfate	ND		0.050	0.023	ug/L		06/29/15 08:50	07/07/15 18:33	1
Endrin	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 18:33	1
Endrin ketone	ND		0.050	0.037	ug/L		06/29/15 08:50	07/07/15 18:33	1
Heptachlor	ND		0.050	0.040	ug/L		06/29/15 08:50	07/07/15 18:33	1
Heptachlor epoxide	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 18:33	1
Methoxychlor	ND		0.10	0.037	ug/L		06/29/15 08:50	07/07/15 18:33	1
Toxaphene	ND		4.0	0.74	ug/L		06/29/15 08:50	07/07/15 18:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*82*		*45 - 130*	*06/29/15 08:50*	*07/07/15 18:33*	*1*
Tetrachloro-m-xylene	*76*		*45 - 130*	*06/29/15 08:50*	*07/07/15 18:33*	*1*
DCB Decachlorobiphenyl (Surr)	*86*		*45 - 130*	*06/29/15 08:50*	*07/07/15 18:33*	*1*
DCB Decachlorobiphenyl (Surr)	*81*		*45 - 130*	*06/29/15 08:50*	*07/07/15 18:33*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45456-1

Method: 8081B - Organochlorine Pesticides (GC)

Client Sample ID: WG-9954-062515-SG-023
Date Collected: 06/25/15 14:20
Date Received: 06/26/15 09:00

Lab Sample ID: 180-45456-7
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	**0.080**	**p**	0.050	0.033	ug/L		06/29/15 08:50	07/07/15 18:49	1
beta-BHC	**4.7**		0.050	0.040	ug/L		06/29/15 08:50	07/07/15 18:49	1
delta-BHC	**7.4**		0.050	0.017	ug/L		06/29/15 08:50	07/07/15 18:49	1
gamma-BHC (Lindane)	**3.2**		0.050	0.032	ug/L		06/29/15 08:50	07/07/15 18:49	1
alpha-Chlordane	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 18:49	1
gamma-Chlordane	**1.1**	**p**	0.050	0.039	ug/L		06/29/15 08:50	07/07/15 18:49	1
4,4'-DDD	**0.40**	**p**	0.050	0.027	ug/L		06/29/15 08:50	07/07/15 18:49	1
4,4'-DDE	**0.033**	**J p**	0.050	0.032	ug/L		06/29/15 08:50	07/07/15 18:49	1
4,4'-DDT	ND		0.050	0.030	ug/L		06/29/15 08:50	07/07/15 18:49	1
Dieldrin	ND		0.050	0.033	ug/L		06/29/15 08:50	07/07/15 18:49	1
Endosulfan I	**0.066**	**p**	0.050	0.038	ug/L		06/29/15 08:50	07/07/15 18:49	1
Endosulfan II	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 18:49	1
Endosulfan sulfate	**0.035**	**J**	0.050	0.023	ug/L		06/29/15 08:50	07/07/15 18:49	1
Endrin	**1.4**		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 18:49	1
Endrin ketone	ND		0.050	0.037	ug/L		06/29/15 08:50	07/07/15 18:49	1
Heptachlor	**0.38**	**p**	0.050	0.040	ug/L		06/29/15 08:50	07/07/15 18:49	1
Heptachlor epoxide	**0.097**	**p**	0.050	0.039	ug/L		06/29/15 08:50	07/07/15 18:49	1
Methoxychlor	ND		0.10	0.037	ug/L		06/29/15 08:50	07/07/15 18:49	1
Toxaphene	ND		4.0	0.74	ug/L		06/29/15 08:50	07/07/15 18:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*75*	*p*	*45 - 130*	*06/29/15 08:50*	*07/07/15 18:49*	*1*
Tetrachloro-m-xylene	*140*	*X*	*45 - 130*	*06/29/15 08:50*	*07/07/15 18:49*	*1*
DCB Decachlorobiphenyl (Surr)	*85*		*45 - 130*	*06/29/15 08:50*	*07/07/15 18:49*	*1*
DCB Decachlorobiphenyl (Surr)	*79*		*45 - 130*	*06/29/15 08:50*	*07/07/15 18:49*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45456-1

Method: 8081B - Organochlorine Pesticides (GC)

Client Sample ID: WG-9954-062515-SG-024
Date Collected: 06/25/15 12:10
Date Received: 06/26/15 09:00

Lab Sample ID: 180-45456-8
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.050	0.033	ug/L		06/29/15 08:50	07/07/15 19:04	1
alpha-BHC	ND		0.050	0.027	ug/L		06/29/15 08:50	07/07/15 19:04	1
beta-BHC	ND		0.050	0.040	ug/L		06/29/15 08:50	07/07/15 19:04	1
delta-BHC	**0.043**	**J p**	0.050	0.017	ug/L		06/29/15 08:50	07/07/15 19:04	1
gamma-BHC (Lindane)	ND		0.050	0.032	ug/L		06/29/15 08:50	07/07/15 19:04	1
alpha-Chlordane	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 19:04	1
gamma-Chlordane	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 19:04	1
4,4'-DDD	ND		0.050	0.027	ug/L		06/29/15 08:50	07/07/15 19:04	1
4,4'-DDE	ND		0.050	0.032	ug/L		06/29/15 08:50	07/07/15 19:04	1
4,4'-DDT	ND		0.050	0.030	ug/L		06/29/15 08:50	07/07/15 19:04	1
Dieldrin	ND		0.050	0.033	ug/L		06/29/15 08:50	07/07/15 19:04	1
Endosulfan I	ND		0.050	0.038	ug/L		06/29/15 08:50	07/07/15 19:04	1
Endosulfan II	**0.089**	**p**	0.050	0.039	ug/L		06/29/15 08:50	07/07/15 19:04	1
Endosulfan sulfate	**0.031**	**J p**	0.050	0.023	ug/L		06/29/15 08:50	07/07/15 19:04	1
Endrin	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 19:04	1
Endrin ketone	ND		0.050	0.037	ug/L		06/29/15 08:50	07/07/15 19:04	1
Heptachlor	ND		0.050	0.040	ug/L		06/29/15 08:50	07/07/15 19:04	1
Heptachlor epoxide	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 19:04	1
Methoxychlor	ND		0.10	0.037	ug/L		06/29/15 08:50	07/07/15 19:04	1
Toxaphene	ND		4.0	0.74	ug/L		06/29/15 08:50	07/07/15 19:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*75*		*45 - 130*	*06/29/15 08:50*	*07/07/15 19:04*	*1*
Tetrachloro-m-xylene	*69*		*45 - 130*	*06/29/15 08:50*	*07/07/15 19:04*	*1*
DCB Decachlorobiphenyl (Surr)	*88*		*45 - 130*	*06/29/15 08:50*	*07/07/15 19:04*	*1*
DCB Decachlorobiphenyl (Surr)	*83*		*45 - 130*	*06/29/15 08:50*	*07/07/15 19:04*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45456-1

Method: 8081B - Organochlorine Pesticides (GC)

Client Sample ID: WG-9954-062515-SG-025
Date Collected: 06/25/15 13:30
Date Received: 06/26/15 09:00

Lab Sample ID: 180-45456-9
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.050	0.033	ug/L		06/29/15 08:50	07/07/15 19:20	1
alpha-BHC	ND		0.050	0.027	ug/L		06/29/15 08:50	07/07/15 19:20	1
beta-BHC	ND		0.050	0.040	ug/L		06/29/15 08:50	07/07/15 19:20	1
delta-BHC	ND		0.050	0.017	ug/L		06/29/15 08:50	07/07/15 19:20	1
gamma-BHC (Lindane)	ND		0.050	0.032	ug/L		06/29/15 08:50	07/07/15 19:20	1
alpha-Chlordane	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 19:20	1
gamma-Chlordane	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 19:20	1
4,4'-DDD	**0.027**	**J p**	0.050	0.027	ug/L		06/29/15 08:50	07/07/15 19:20	1
4,4'-DDE	ND		0.050	0.032	ug/L		06/29/15 08:50	07/07/15 19:20	1
4,4'-DDT	ND		0.050	0.030	ug/L		06/29/15 08:50	07/07/15 19:20	1
Dieldrin	ND		0.050	0.033	ug/L		06/29/15 08:50	07/07/15 19:20	1
Endosulfan I	ND		0.050	0.038	ug/L		06/29/15 08:50	07/07/15 19:20	1
Endosulfan II	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 19:20	1
Endosulfan sulfate	ND		0.050	0.023	ug/L		06/29/15 08:50	07/07/15 19:20	1
Endrin	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 19:20	1
Endrin ketone	ND		0.050	0.037	ug/L		06/29/15 08:50	07/07/15 19:20	1
Heptachlor	ND		0.050	0.040	ug/L		06/29/15 08:50	07/07/15 19:20	1
Heptachlor epoxide	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 19:20	1
Methoxychlor	ND		0.10	0.037	ug/L		06/29/15 08:50	07/07/15 19:20	1
Toxaphene	ND		4.0	0.74	ug/L		06/29/15 08:50	07/07/15 19:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*78*		*45 - 130*	*06/29/15 08:50*	*07/07/15 19:20*	*1*
Tetrachloro-m-xylene	*70*		*45 - 130*	*06/29/15 08:50*	*07/07/15 19:20*	*1*
DCB Decachlorobiphenyl (Surr)	*82*		*45 - 130*	*06/29/15 08:50*	*07/07/15 19:20*	*1*
DCB Decachlorobiphenyl (Surr)	*78*		*45 - 130*	*06/29/15 08:50*	*07/07/15 19:20*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45456-1

Method: 8081B - Organochlorine Pesticides (GC)

Client Sample ID: WG-9954-062515-SG-027
Date Collected: 06/25/15 15:00
Date Received: 06/26/15 09:00

Lab Sample ID: 180-45456-10
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.050	0.033	ug/L		06/29/15 08:50	07/07/15 19:36	1
alpha-BHC	**0.30**		0.050	0.027	ug/L		06/29/15 08:50	07/07/15 19:36	1
beta-BHC	ND		0.050	0.040	ug/L		06/29/15 08:50	07/07/15 19:36	1
delta-BHC	**0.14**		0.050	0.017	ug/L		06/29/15 08:50	07/07/15 19:36	1
gamma-BHC (Lindane)	**0.26**		0.050	0.032	ug/L		06/29/15 08:50	07/07/15 19:36	1
alpha-Chlordane	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 19:36	1
gamma-Chlordane	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 19:36	1
4,4'-DDD	ND		0.050	0.027	ug/L		06/29/15 08:50	07/07/15 19:36	1
4,4'-DDE	ND		0.050	0.032	ug/L		06/29/15 08:50	07/07/15 19:36	1
4,4'-DDT	ND		0.050	0.030	ug/L		06/29/15 08:50	07/07/15 19:36	1
Dieldrin	ND		0.050	0.033	ug/L		06/29/15 08:50	07/07/15 19:36	1
Endosulfan I	ND		0.050	0.038	ug/L		06/29/15 08:50	07/07/15 19:36	1
Endosulfan II	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 19:36	1
Endosulfan sulfate	ND		0.050	0.023	ug/L		06/29/15 08:50	07/07/15 19:36	1
Endrin	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 19:36	1
Endrin ketone	ND		0.050	0.037	ug/L		06/29/15 08:50	07/07/15 19:36	1
Heptachlor	ND		0.050	0.040	ug/L		06/29/15 08:50	07/07/15 19:36	1
Heptachlor epoxide	ND		0.050	0.039	ug/L		06/29/15 08:50	07/07/15 19:36	1
Methoxychlor	**0.039**	**J p**	0.10	0.037	ug/L		06/29/15 08:50	07/07/15 19:36	1
Toxaphene	ND		4.0	0.74	ug/L		06/29/15 08:50	07/07/15 19:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*84*		*45 - 130*	*06/29/15 08:50*	*07/07/15 19:36*	*1*
Tetrachloro-m-xylene	*79*		*45 - 130*	*06/29/15 08:50*	*07/07/15 19:36*	*1*
DCB Decachlorobiphenyl (Surr)	*87*		*45 - 130*	*06/29/15 08:50*	*07/07/15 19:36*	*1*
DCB Decachlorobiphenyl (Surr)	*84*		*45 - 130*	*06/29/15 08:50*	*07/07/15 19:36*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45456-1

Method: 8081B - Organochlorine Pesticides (GC) - DL

Client Sample ID: WG-9954-062515-SG-023
Date Collected: 06/25/15 14:20
Date Received: 06/26/15 09:00

Lab Sample ID: 180-45456-7
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	20		0.25	0.13	ug/L		06/29/15 08:50	07/08/15 13:25	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*103*		*45 - 130*	*06/29/15 08:50*	*07/08/15 13:25*	*5*
Tetrachloro-m-xylene	*193*	*X*	*45 - 130*	*06/29/15 08:50*	*07/08/15 13:25*	*5*
DCB Decachlorobiphenyl (Surr)	*101*		*45 - 130*	*06/29/15 08:50*	*07/08/15 13:25*	*5*
DCB Decachlorobiphenyl (Surr)	*95*		*45 - 130*	*06/29/15 08:50*	*07/08/15 13:25*	*5*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45456-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: RB-9954-062515-SG-026
Date Collected: 06/25/15 14:20
Date Received: 06/26/15 09:00

Lab Sample ID: 180-45456-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.40	0.10	ug/L		06/29/15 08:50	06/30/15 11:38	1
PCB-1221	ND		0.40	0.16	ug/L		06/29/15 08:50	06/30/15 11:38	1
PCB-1232	ND		0.40	0.16	ug/L		06/29/15 08:50	06/30/15 11:38	1
PCB-1242	ND		0.40	0.074	ug/L		06/29/15 08:50	06/30/15 11:38	1
PCB-1248	ND		0.40	0.11	ug/L		06/29/15 08:50	06/30/15 11:38	1
PCB-1254	ND		0.40	0.12	ug/L		06/29/15 08:50	06/30/15 11:38	1
PCB-1260	ND		0.40	0.068	ug/L		06/29/15 08:50	06/30/15 11:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*100*		*35 - 140*	*06/29/15 08:50*	*06/30/15 11:38*	*1*
Tetrachloro-m-xylene (Surr)	*96*		*35 - 140*	*06/29/15 08:50*	*06/30/15 11:38*	*1*
DCB Decachlorobiphenyl (Surr)	*92*		*35 - 140*	*06/29/15 08:50*	*06/30/15 11:38*	*1*
DCB Decachlorobiphenyl (Surr)	*92*		*35 - 140*	*06/29/15 08:50*	*06/30/15 11:38*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45456-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: WG-9954-062515-SG-017
Date Collected: 06/25/15 11:00
Date Received: 06/26/15 09:00

Lab Sample ID: 180-45456-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.40	0.10	ug/L		06/29/15 08:50	06/30/15 11:56	1
PCB-1221	ND		0.40	0.16	ug/L		06/29/15 08:50	06/30/15 11:56	1
PCB-1232	ND		0.40	0.16	ug/L		06/29/15 08:50	06/30/15 11:56	1
PCB-1242	ND		0.40	0.074	ug/L		06/29/15 08:50	06/30/15 11:56	1
PCB-1248	ND		0.40	0.11	ug/L		06/29/15 08:50	06/30/15 11:56	1
PCB-1254	ND		0.40	0.12	ug/L		06/29/15 08:50	06/30/15 11:56	1
PCB-1260	ND		0.40	0.068	ug/L		06/29/15 08:50	06/30/15 11:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*89*		*35 - 140*	*06/29/15 08:50*	*06/30/15 11:56*	*1*
Tetrachloro-m-xylene (Surr)	*86*		*35 - 140*	*06/29/15 08:50*	*06/30/15 11:56*	*1*
DCB Decachlorobiphenyl (Surr)	*94*		*35 - 140*	*06/29/15 08:50*	*06/30/15 11:56*	*1*
DCB Decachlorobiphenyl (Surr)	*93*		*35 - 140*	*06/29/15 08:50*	*06/30/15 11:56*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45456-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: WG-9954-062515-SG-020
Date Collected: 06/25/15 12:10
Date Received: 06/26/15 09:00

Lab Sample ID: 180-45456-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.40	0.10	ug/L		06/29/15 08:50	06/30/15 12:15	1
PCB-1221	ND		0.40	0.16	ug/L		06/29/15 08:50	06/30/15 12:15	1
PCB-1232	ND		0.40	0.16	ug/L		06/29/15 08:50	06/30/15 12:15	1
PCB-1242	ND		0.40	0.074	ug/L		06/29/15 08:50	06/30/15 12:15	1
PCB-1248	ND		0.40	0.11	ug/L		06/29/15 08:50	06/30/15 12:15	1
PCB-1254	ND		0.40	0.12	ug/L		06/29/15 08:50	06/30/15 12:15	1
PCB-1260	ND		0.40	0.068	ug/L		06/29/15 08:50	06/30/15 12:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*120*		*35 - 140*	*06/29/15 08:50*	*06/30/15 12:15*	*1*
Tetrachloro-m-xylene (Surr)	*114*		*35 - 140*	*06/29/15 08:50*	*06/30/15 12:15*	*1*
DCB Decachlorobiphenyl (Surr)	*94*		*35 - 140*	*06/29/15 08:50*	*06/30/15 12:15*	*1*
DCB Decachlorobiphenyl (Surr)	*94*		*35 - 140*	*06/29/15 08:50*	*06/30/15 12:15*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45456-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: WG-9954-062515-SG-021
Date Collected: 06/25/15 12:35
Date Received: 06/26/15 09:00

Lab Sample ID: 180-45456-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.40	0.10	ug/L		06/29/15 08:50	06/30/15 12:34	1
PCB-1221	ND		0.40	0.16	ug/L		06/29/15 08:50	06/30/15 12:34	1
PCB-1232	ND		0.40	0.16	ug/L		06/29/15 08:50	06/30/15 12:34	1
PCB-1242	ND		0.40	0.074	ug/L		06/29/15 08:50	06/30/15 12:34	1
PCB-1248	ND		0.40	0.11	ug/L		06/29/15 08:50	06/30/15 12:34	1
PCB-1254	ND		0.40	0.12	ug/L		06/29/15 08:50	06/30/15 12:34	1
PCB-1260	ND		0.40	0.068	ug/L		06/29/15 08:50	06/30/15 12:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*126*		*35 - 140*	*06/29/15 08:50*	*06/30/15 12:34*	*1*
Tetrachloro-m-xylene (Surr)	*117*		*35 - 140*	*06/29/15 08:50*	*06/30/15 12:34*	*1*
DCB Decachlorobiphenyl (Surr)	*91*		*35 - 140*	*06/29/15 08:50*	*06/30/15 12:34*	*1*
DCB Decachlorobiphenyl (Surr)	*90*		*35 - 140*	*06/29/15 08:50*	*06/30/15 12:34*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45456-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: WG-9954-062515-SG-022
Date Collected: 06/25/15 13:35
Date Received: 06/26/15 09:00

Lab Sample ID: 180-45456-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.40	0.10	ug/L		06/29/15 08:50	06/30/15 12:53	1
PCB-1221	ND		0.40	0.16	ug/L		06/29/15 08:50	06/30/15 12:53	1
PCB-1232	ND		0.40	0.16	ug/L		06/29/15 08:50	06/30/15 12:53	1
PCB-1242	ND		0.40	0.074	ug/L		06/29/15 08:50	06/30/15 12:53	1
PCB-1248	ND		0.40	0.11	ug/L		06/29/15 08:50	06/30/15 12:53	1
PCB-1254	ND		0.40	0.12	ug/L		06/29/15 08:50	06/30/15 12:53	1
PCB-1260	ND		0.40	0.068	ug/L		06/29/15 08:50	06/30/15 12:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*114*		*35 - 140*	*06/29/15 08:50*	*06/30/15 12:53*	*1*
Tetrachloro-m-xylene (Surr)	*108*		*35 - 140*	*06/29/15 08:50*	*06/30/15 12:53*	*1*
DCB Decachlorobiphenyl (Surr)	*93*		*35 - 140*	*06/29/15 08:50*	*06/30/15 12:53*	*1*
DCB Decachlorobiphenyl (Surr)	*93*		*35 - 140*	*06/29/15 08:50*	*06/30/15 12:53*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45456-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: WG-9954-062515-SG-023
Date Collected: 06/25/15 14:20
Date Received: 06/26/15 09:00

Lab Sample ID: 180-45456-7
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.40	0.10	ug/L		06/29/15 08:50	06/30/15 13:11	1
PCB-1221	ND		0.40	0.16	ug/L		06/29/15 08:50	06/30/15 13:11	1
PCB-1232	ND		0.40	0.16	ug/L		06/29/15 08:50	06/30/15 13:11	1
PCB-1242	ND		0.40	0.074	ug/L		06/29/15 08:50	06/30/15 13:11	1
PCB-1248	ND		0.40	0.11	ug/L		06/29/15 08:50	06/30/15 13:11	1
PCB-1254	ND		0.40	0.12	ug/L		06/29/15 08:50	06/30/15 13:11	1
PCB-1260	ND		0.40	0.068	ug/L		06/29/15 08:50	06/30/15 13:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*376*	*X*	*35 - 140*	*06/29/15 08:50*	*06/30/15 13:11*	*1*
Tetrachloro-m-xylene (Surr)	*323*	*X*	*35 - 140*	*06/29/15 08:50*	*06/30/15 13:11*	*1*
DCB Decachlorobiphenyl (Surr)	*92*		*35 - 140*	*06/29/15 08:50*	*06/30/15 13:11*	*1*
DCB Decachlorobiphenyl (Surr)	*95*		*35 - 140*	*06/29/15 08:50*	*06/30/15 13:11*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45456-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: WG-9954-062515-SG-024
Date Collected: 06/25/15 12:10
Date Received: 06/26/15 09:00

Lab Sample ID: 180-45456-8
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.40	0.10	ug/L		06/29/15 08:50	06/30/15 13:30	1
PCB-1221	ND		0.40	0.16	ug/L		06/29/15 08:50	06/30/15 13:30	1
PCB-1232	ND		0.40	0.16	ug/L		06/29/15 08:50	06/30/15 13:30	1
PCB-1242	ND		0.40	0.074	ug/L		06/29/15 08:50	06/30/15 13:30	1
PCB-1248	ND		0.40	0.11	ug/L		06/29/15 08:50	06/30/15 13:30	1
PCB-1254	ND		0.40	0.12	ug/L		06/29/15 08:50	06/30/15 13:30	1
PCB-1260	ND		0.40	0.068	ug/L		06/29/15 08:50	06/30/15 13:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*248*	*X*	*35 - 140*	*06/29/15 08:50*	*06/30/15 13:30*	*1*
Tetrachloro-m-xylene (Surr)	*74*	*p*	*35 - 140*	*06/29/15 08:50*	*06/30/15 13:30*	*1*
DCB Decachlorobiphenyl (Surr)	*93*		*35 - 140*	*06/29/15 08:50*	*06/30/15 13:30*	*1*
DCB Decachlorobiphenyl (Surr)	*92*		*35 - 140*	*06/29/15 08:50*	*06/30/15 13:30*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45456-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: WG-9954-062515-SG-025
Date Collected: 06/25/15 13:30
Date Received: 06/26/15 09:00

Lab Sample ID: 180-45456-9
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.40	0.10	ug/L		06/29/15 08:50	06/30/15 13:49	1
PCB-1221	ND		0.40	0.16	ug/L		06/29/15 08:50	06/30/15 13:49	1
PCB-1232	ND		0.40	0.16	ug/L		06/29/15 08:50	06/30/15 13:49	1
PCB-1242	ND		0.40	0.074	ug/L		06/29/15 08:50	06/30/15 13:49	1
PCB-1248	ND		0.40	0.11	ug/L		06/29/15 08:50	06/30/15 13:49	1
PCB-1254	ND		0.40	0.12	ug/L		06/29/15 08:50	06/30/15 13:49	1
PCB-1260	ND		0.40	0.068	ug/L		06/29/15 08:50	06/30/15 13:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*140*		*35 - 140*	*06/29/15 08:50*	*06/30/15 13:49*	*1*
Tetrachloro-m-xylene (Surr)	*91*	*p*	*35 - 140*	*06/29/15 08:50*	*06/30/15 13:49*	*1*
DCB Decachlorobiphenyl (Surr)	*90*		*35 - 140*	*06/29/15 08:50*	*06/30/15 13:49*	*1*
DCB Decachlorobiphenyl (Surr)	*86*		*35 - 140*	*06/29/15 08:50*	*06/30/15 13:49*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45456-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: WG-9954-062515-SG-027
Date Collected: 06/25/15 15:00
Date Received: 06/26/15 09:00

Lab Sample ID: 180-45456-10
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.40	0.10	ug/L		06/29/15 08:50	06/30/15 14:08	1
PCB-1221	ND		0.40	0.16	ug/L		06/29/15 08:50	06/30/15 14:08	1
PCB-1232	ND		0.40	0.16	ug/L		06/29/15 08:50	06/30/15 14:08	1
PCB-1242	ND		0.40	0.074	ug/L		06/29/15 08:50	06/30/15 14:08	1
PCB-1248	ND		0.40	0.11	ug/L		06/29/15 08:50	06/30/15 14:08	1
PCB-1254	ND		0.40	0.12	ug/L		06/29/15 08:50	06/30/15 14:08	1
PCB-1260	ND		0.40	0.068	ug/L		06/29/15 08:50	06/30/15 14:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*93*		*35 - 140*	*06/29/15 08:50*	*06/30/15 14:08*	*1*
Tetrachloro-m-xylene (Surr)	*84*		*35 - 140*	*06/29/15 08:50*	*06/30/15 14:08*	*1*
DCB Decachlorobiphenyl (Surr)	*95*		*35 - 140*	*06/29/15 08:50*	*06/30/15 14:08*	*1*
DCB Decachlorobiphenyl (Surr)	*94*		*35 - 140*	*06/29/15 08:50*	*06/30/15 14:08*	*1*

CHAIN-OF-CUSTODY/Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Client Information	
GLEN SPRINGS HOLDINGS INC	Report To: Susan Scrocchi
805 97TH STREET	Copy To:
LOVE CANAL	
NIAGARA FALLS, NEW YORK 14304	Invoice To:
Phone: 716-283-0111	PO:
Fax: 716-283-2856	Project Name: LOVE CANAL ANNUAL GW
Email: sscrocchi@craworld.com	Project Number: 9954

Lab Information
Laboratory: TEST AMERICA PITTSBURGH
Laboratory Location: 301 ALPHA DRIVE PITTSBURGH, PA 15238
Laboratory Contact: JILL COLUSSY
Requested Due Date: TAT: 10
QA/QC Requirements:

Event Information
ID#: LC ANNUAL GW SAMPLING-05-1
SSOW Ref#:
Sampler Name: SHAWN GARDNER

Valid Matrix Code
WG Groundwater
WB Borehole Water
WS Surface Water
SO Soil
SE Sediment

Sample Condition

Temp in C	
Received on ice	Y/N
Sealed Cooler	Y/N
Samples Intact	Y/N

Sample Identification	Matrix Code	Date Collected	Time Collected	PestPCBs(None)	SVOC(none)	VOA(HCl)	Remarks
LCTRIP-062515-SG	WG Q	06/25/2015	00:00	0	0	3	
RB-9954-062515-SG-026	WG Q	06/25/2015	14:20	4	2	3	
WG-9954-062515-SG-017	WG	06/25/2015	11:00	4	2	3	
WG-9954-062515-SG-020	WG	06/25/2015	12:10	4	2	3	
WG-9954-062515-SG-021	WG	06/25/2015	12:35	4	2	3	
WG-9954-062515-SG-022	WG	06/25/2015	13:35	4	2	3	
WG-9954-062515-SG-023	WG	06/25/2015	14:20	4	2	3	
WG-9954-062515-SG-024	WG	06/25/2015	12:10	4	2	3	
WG-9954-062515-SG-025	WG	06/25/2015	13:30	4	2	3	
WG-9954-062515-SG-027	WG	06/25/2015	15:00	4	2	3	
Total Bottles				**36**	**18**	**30**	**Grand Total:84**

180-45456 Chain of Custody

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY:	DATE	TIME	RECIEVED BY:	DATE	TIME
FedEx	3	Shawn Gardner	6/25/15	1650	Debbie Watson	6-26-15	9:00
AIRBILL#:							

TAT

ANALYTICAL REPORT

Job Number: 180-45493-1

Job Description: 9954, Love Canal Annual

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

Attention: Ms. Sue Scrocchi

Approved for release.
Jill L Colussy
Project Manager I
7/21/2015 3:20 PM

Jill L Colussy, Project Manager I
301 Alpha Drive, Pittsburgh, PA, 15238
(412)963-2444
jill.colussy@testamericainc.com
07/21/2015

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Qualifiers

GC/MS VOA

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

GC/MS VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	Presumptive evidence of material.
T	Result is a tentatively identified compound (TIC) and an estimated value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits
H	Sample was prepped or analyzed beyond the specified holding time

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
T	Result is a tentatively identified compound (TIC) and an estimated value.
H	Sample was prepped or analyzed beyond the specified holding time

GC Semi VOA

Qualifier	Qualifier Description
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits

Glossary

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

CASE NARRATIVE

Client: GHD Services Inc.

Project: 9954, Love Canal Annual

Report Number: 180-45493-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT
The samples were received on 6/27/2015 9:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 3 coolers at receipt time were 1.9º C, 3.4º C and 3.7º C.

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

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)
Samples WG-9954-062615-SG-034 (180-45493-4), WG-9954-062615-SG-029 (180-45493-5), WG-9954-062615-SG-028 (180-45493-6), WG-9954-062615-SG-030 (180-45493-7) and WG-9954-062615-SG-031 (180-45493-9) had surrogate 2,4,6-Tribromophenol recover low and outside of the control limits. These samples were re-extracted outside of the holding time. Samples WG-9954-062615-SG-028 (180-45493-6) and WG-9954-062615-SG-031 (180-45493-9) had the surrogate recover low on the re-extracts confirming matrix interference. Samples WG-9954-062615-SG-034 (180-45493-4), WG-9954-062615-SG-029 (180-45493-5), and WG-9954-062615-SG-030 (180-45493-7) had all surrogate recover within the control limits in the re-extractions. Both sets of data are reported for each sample.

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

PCBS
Several samples had surrogate tetrachloro-m-xylene recover outside of the control limits on one column.

Detection Summary

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45493-1

Client Sample ID: WG-9954-062615-SG-035 — Lab Sample ID: 180-45493-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
alpha-BHC	0.021	J p	0.025	0.013	ug/L	1		8081B	Total/NA
beta-BHC	0.12	p	0.025	0.020	ug/L	1		8081B	Total/NA
delta-BHC	0.10	p	0.025	0.0087	ug/L	1		8081B	Total/NA
gamma-BHC (Lindane)	0.024	J p	0.025	0.016	ug/L	1		8081B	Total/NA
4,4'-DDE	0.017	J p	0.025	0.016	ug/L	1		8081B	Total/NA
4,4'-DDT	0.037	p	0.025	0.015	ug/L	1		8081B	Total/NA
Dieldrin	0.022	J	0.025	0.016	ug/L	1		8081B	Total/NA
Endosulfan II	0.037	p	0.025	0.020	ug/L	1		8081B	Total/NA
Endosulfan sulfate	0.047	p	0.025	0.011	ug/L	1		8081B	Total/NA
Methoxychlor	0.077	p	0.050	0.018	ug/L	1		8081B	Total/NA

Client Sample ID: WG-9954-062615-SG-032 — Lab Sample ID: 180-45493-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	2.9	J	5.0	1.1	ug/L	1		8260C	Total/NA
Naphthalene	0.41	J	1.9	0.21	ug/L	1		8270D	Total/NA
alpha-BHC	0.013	J p	0.025	0.013	ug/L	1		8081B	Total/NA
delta-BHC	0.031	p	0.025	0.0087	ug/L	1		8081B	Total/NA
alpha-Chlordane	0.030		0.025	0.020	ug/L	1		8081B	Total/NA
4,4'-DDE	0.023	J p	0.025	0.016	ug/L	1		8081B	Total/NA
4,4'-DDT	0.078	p	0.025	0.015	ug/L	1		8081B	Total/NA
Endosulfan I	0.026	p	0.025	0.019	ug/L	1		8081B	Total/NA
Endosulfan II	0.036	p	0.025	0.020	ug/L	1		8081B	Total/NA
Endosulfan sulfate	0.039	p	0.025	0.011	ug/L	1		8081B	Total/NA
Heptachlor epoxide	0.020	J p	0.025	0.019	ug/L	1		8081B	Total/NA
Methoxychlor	0.069	p	0.050	0.018	ug/L	1		8081B	Total/NA

Client Sample ID: WG-9954-062615-SG-033 — Lab Sample ID: 180-45493-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	0.73	J	5.0	0.62	ug/L	1		8260C	Total/NA
Diethyl phthalate	3.0	J	9.6	2.9	ug/L	1		8270D	Total/NA
Naphthalene	1.0	J	1.9	0.22	ug/L	1		8270D	Total/NA
beta-BHC	0.038	p	0.025	0.020	ug/L	1		8081B	Total/NA
delta-BHC	0.025	p	0.025	0.0087	ug/L	1		8081B	Total/NA
4,4'-DDT	0.045	p	0.025	0.015	ug/L	1		8081B	Total/NA
Endosulfan I	0.048	p	0.025	0.019	ug/L	1		8081B	Total/NA
Endosulfan sulfate	0.072	p	0.025	0.011	ug/L	1		8081B	Total/NA
Heptachlor epoxide	0.053		0.025	0.019	ug/L	1		8081B	Total/NA

Client Sample ID: WG-9954-062615-SG-034 — Lab Sample ID: 180-45493-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	2.2	J	5.0	1.1	ug/L	1		8260C	Total/NA
beta-BHC	0.049	p	0.025	0.020	ug/L	1		8081B	Total/NA
delta-BHC	0.023	J p	0.025	0.0087	ug/L	1		8081B	Total/NA
gamma-Chlordane	0.019	J p	0.025	0.019	ug/L	1		8081B	Total/NA
4,4'-DDT	0.055	p	0.025	0.015	ug/L	1		8081B	Total/NA
Endosulfan I	0.024	J p	0.025	0.019	ug/L	1		8081B	Total/NA
Endosulfan II	0.049		0.025	0.020	ug/L	1		8081B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: WG-9954-062615-SG-034 (Continued) — Lab Sample ID: 180-45493-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Endosulfan sulfate	0.029		0.025	0.011	ug/L	1		8081B	Total/NA
Endrin	0.027	p	0.025	0.019	ug/L	1		8081B	Total/NA
Methoxychlor	0.086	p	0.050	0.018	ug/L	1		8081B	Total/NA

Client Sample ID: WG-9954-062615-SG-029 — Lab Sample ID: 180-45493-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	1.2	J	5.0	1.1	ug/L	1		8260C	Total/NA
Hexachlorobenzene	2.1	J	9.6	0.59	ug/L	1		8270D	Total/NA
Hexachlorobenzene - RE	5.1	J H	9.3	0.56	ug/L	1		8270D	Total/NA
alpha-BHC	0.072		0.026	0.014	ug/L	1		8081B	Total/NA
beta-BHC	0.024	J p	0.026	0.021	ug/L	1		8081B	Total/NA
delta-BHC	0.027	p	0.026	0.0091	ug/L	1		8081B	Total/NA
gamma-BHC (Lindane)	0.056		0.026	0.017	ug/L	1		8081B	Total/NA
4,4'-DDT	0.025	J p	0.026	0.015	ug/L	1		8081B	Total/NA
Methoxychlor	0.051	J	0.052	0.019	ug/L	1		8081B	Total/NA

Client Sample ID: WG-9954-062615-SG-028 — Lab Sample ID: 180-45493-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	1.2	J	5.0	1.1	ug/L	1		8260C	Total/NA
alpha-BHC	0.090		0.025	0.013	ug/L	1		8081B	Total/NA
beta-BHC	0.021	J p	0.025	0.020	ug/L	1		8081B	Total/NA
delta-BHC	0.090		0.025	0.0087	ug/L	1		8081B	Total/NA
gamma-BHC (Lindane)	0.071		0.025	0.016	ug/L	1		8081B	Total/NA
Dieldrin	0.061		0.025	0.016	ug/L	1		8081B	Total/NA
Heptachlor epoxide	0.028		0.025	0.019	ug/L	1		8081B	Total/NA
Methoxychlor	0.024	J	0.050	0.018	ug/L	1		8081B	Total/NA

Client Sample ID: WG-9954-062615-SG-030 — Lab Sample ID: 180-45493-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	1.2	J	5.0	1.1	ug/L	1		8260C	Total/NA
alpha-BHC	0.035		0.026	0.014	ug/L	1		8081B	Total/NA
beta-BHC	0.077	p	0.026	0.021	ug/L	1		8081B	Total/NA
delta-BHC	0.032	p	0.026	0.0091	ug/L	1		8081B	Total/NA
4,4'-DDT	0.057		0.026	0.015	ug/L	1		8081B	Total/NA
Dieldrin	0.032	p	0.026	0.017	ug/L	1		8081B	Total/NA
Endosulfan I	0.029	p	0.026	0.020	ug/L	1		8081B	Total/NA
Endosulfan II	0.023	J p	0.026	0.020	ug/L	1		8081B	Total/NA
Endosulfan sulfate	0.077		0.026	0.012	ug/L	1		8081B	Total/NA
Methoxychlor	0.074		0.052	0.019	ug/L	1		8081B	Total/NA

Client Sample ID: LCTRIP-062615-SG — Lab Sample ID: 180-45493-8

No Detections.

Client Sample ID: WG-9954-062615-SG-031 — Lab Sample ID: 180-45493-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	1.4	J	5.0	1.1	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45493-1

Client Sample ID: WG-9954-062615-SG-031 (Continued) — Lab Sample ID: 180-45493-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
alpha-BHC	0.037		0.026	0.014	ug/L	1		8081B	Total/NA
delta-BHC	0.016	J p	0.026	0.0091	ug/L	1		8081B	Total/NA
gamma-BHC (Lindane)	0.041		0.026	0.017	ug/L	1		8081B	Total/NA
4,4'-DDT	0.029	p	0.026	0.015	ug/L	1		8081B	Total/NA
Dieldrin	0.019	J	0.026	0.017	ug/L	1		8081B	Total/NA
Endosulfan sulfate	0.039		0.026	0.012	ug/L	1		8081B	Total/NA
Methoxychlor	0.11		0.052	0.019	ug/L	1		8081B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45493-1

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

Client Sample ID: WG-9954-062615-SG-035
Date Collected: 06/26/15 14:10
Date Received: 06/27/15 09:30

Lab Sample ID: 180-45493-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	1.0	ug/L			07/08/15 16:34	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.93	ug/L			07/08/15 16:34	1
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			07/08/15 16:34	1
1,1-Dichloroethane	ND		5.0	1.0	ug/L			07/08/15 16:34	1
1,1-Dichloroethene	ND		5.0	1.1	ug/L			07/08/15 16:34	1
1,2-Dichloroethane	ND		5.0	0.96	ug/L			07/08/15 16:34	1
1,2-Dichloropropane	ND		5.0	1.3	ug/L			07/08/15 16:34	1
2-Butanone (MEK)	ND		5.0	1.1	ug/L			07/08/15 16:34	1
2-Hexanone	ND		5.0	0.57	ug/L			07/08/15 16:34	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.59	ug/L			07/08/15 16:34	1
Acetone	ND		20	5.0	ug/L			07/08/15 16:34	1
Benzene	ND		5.0	0.99	ug/L			07/08/15 16:34	1
Bromodichloromethane	ND		5.0	0.93	ug/L			07/08/15 16:34	1
Bromoform	ND		5.0	1.1	ug/L			07/08/15 16:34	1
Bromomethane	ND		5.0	1.6	ug/L			07/08/15 16:34	1
Carbon disulfide	ND		5.0	1.1	ug/L			07/08/15 16:34	1
Carbon tetrachloride	ND		5.0	1.1	ug/L			07/08/15 16:34	1
Chlorobenzene	ND		5.0	0.53	ug/L			07/08/15 16:34	1
Chloroethane	ND		5.0	0.75	ug/L			07/08/15 16:34	1
Chloroform	ND		5.0	1.0	ug/L			07/08/15 16:34	1
Chloromethane	ND		5.0	1.4	ug/L			07/08/15 16:34	1
cis-1,2-Dichloroethene	ND		5.0	0.67	ug/L			07/08/15 16:34	1
cis-1,3-Dichloropropene	ND		5.0	0.73	ug/L			07/08/15 16:34	1
Dibromochloromethane	ND		5.0	0.65	ug/L			07/08/15 16:34	1
Ethylbenzene	ND		5.0	0.62	ug/L			07/08/15 16:34	1
Methylene Chloride	ND		5.0	1.1	ug/L			07/08/15 16:34	1
Styrene	ND		5.0	0.64	ug/L			07/08/15 16:34	1
Tetrachloroethene	ND		5.0	0.82	ug/L			07/08/15 16:34	1
Toluene	ND		5.0	0.85	ug/L			07/08/15 16:34	1
trans-1,2-Dichloroethene	ND		5.0	0.75	ug/L			07/08/15 16:34	1
trans-1,3-Dichloropropene	ND		5.0	0.58	ug/L			07/08/15 16:34	1
Trichloroethene	ND		5.0	0.80	ug/L			07/08/15 16:34	1
Vinyl acetate	ND		5.0	0.86	ug/L			07/08/15 16:34	1
Vinyl chloride	ND		5.0	1.3	ug/L			07/08/15 16:34	1
Xylenes, Total	ND		10	1.7	ug/L			07/08/15 16:34	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Sulfur dioxide	*120*	*T J N*	*ug/L*		*1.30*	*7446-09-5*		*07/08/15 16:34*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*85*		*62 - 123*		*07/08/15 16:34*	*1*
4-Bromofluorobenzene (Surr)	*91*		*75 - 120*		*07/08/15 16:34*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*07/08/15 16:34*	*1*
Toluene-d8 (Surr)	*109*		*80 - 120*		*07/08/15 16:34*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45493-1

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

Client Sample ID: WG-9954-062615-SG-032
Date Collected: 06/26/15 13:15
Date Received: 06/27/15 09:30

Lab Sample ID: 180-45493-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	1.0	ug/L			07/08/15 00:11	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.93	ug/L			07/08/15 00:11	1
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			07/08/15 00:11	1
1,1-Dichloroethane	ND		5.0	1.0	ug/L			07/08/15 00:11	1
1,1-Dichloroethene	ND		5.0	1.1	ug/L			07/08/15 00:11	1
1,2-Dichloroethane	ND		5.0	0.96	ug/L			07/08/15 00:11	1
1,2-Dichloropropane	ND		5.0	1.3	ug/L			07/08/15 00:11	1
2-Butanone (MEK)	ND		5.0	1.1	ug/L			07/08/15 00:11	1
2-Hexanone	ND		5.0	0.57	ug/L			07/08/15 00:11	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.59	ug/L			07/08/15 00:11	1
Acetone	ND		20	5.0	ug/L			07/08/15 00:11	1
Benzene	ND		5.0	0.99	ug/L			07/08/15 00:11	1
Bromodichloromethane	ND		5.0	0.93	ug/L			07/08/15 00:11	1
Bromoform	ND		5.0	1.1	ug/L			07/08/15 00:11	1
Bromomethane	ND		5.0	1.6	ug/L			07/08/15 00:11	1
Carbon disulfide	**2.9**	**J**	5.0	1.1	ug/L			07/08/15 00:11	1
Carbon tetrachloride	ND		5.0	1.1	ug/L			07/08/15 00:11	1
Chlorobenzene	ND		5.0	0.53	ug/L			07/08/15 00:11	1
Chloroethane	ND		5.0	0.75	ug/L			07/08/15 00:11	1
Chloroform	ND		5.0	1.0	ug/L			07/08/15 00:11	1
Chloromethane	ND		5.0	1.4	ug/L			07/08/15 00:11	1
cis-1,2-Dichloroethene	ND		5.0	0.67	ug/L			07/08/15 00:11	1
cis-1,3-Dichloropropene	ND		5.0	0.73	ug/L			07/08/15 00:11	1
Dibromochloromethane	ND		5.0	0.65	ug/L			07/08/15 00:11	1
Ethylbenzene	ND		5.0	0.62	ug/L			07/08/15 00:11	1
Methylene Chloride	ND		5.0	1.1	ug/L			07/08/15 00:11	1
Styrene	ND		5.0	0.64	ug/L			07/08/15 00:11	1
Tetrachloroethene	ND		5.0	0.82	ug/L			07/08/15 00:11	1
Toluene	ND		5.0	0.85	ug/L			07/08/15 00:11	1
trans-1,2-Dichloroethene	ND		5.0	0.75	ug/L			07/08/15 00:11	1
trans-1,3-Dichloropropene	ND		5.0	0.58	ug/L			07/08/15 00:11	1
Trichloroethene	ND		5.0	0.80	ug/L			07/08/15 00:11	1
Vinyl acetate	ND		5.0	0.86	ug/L			07/08/15 00:11	1
Vinyl chloride	ND		5.0	1.3	ug/L			07/08/15 00:11	1
Xylenes, Total	ND		10	1.7	ug/L			07/08/15 00:11	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*74*	*T J*	*ug/L*		*1.33*			*07/08/15 00:11*	*1*
Methanethiol	*130*	*T J N*	*ug/L*		*1.61*	*74-93-1*		*07/08/15 00:11*	*1*
Dimethyl sulfide	*370*	*T J N*	*ug/L*		*2.54*	*75-18-3*		*07/08/15 00:11*	*1*
Ethane, (methylthio)-	*36*	*T J N*	*ug/L*		*4.67*	*624-89-5*		*07/08/15 00:11*	*1*
Disulfide, dimethyl	*7.1*	*T J N*	*ug/L*		*7.75*	*624-92-0*		*07/08/15 00:11*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*62 - 123*		*07/08/15 00:11*	*1*
4-Bromofluorobenzene (Surr)	*86*		*75 - 120*		*07/08/15 00:11*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*07/08/15 00:11*	*1*
Toluene-d8 (Surr)	*109*		*80 - 120*		*07/08/15 00:11*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45493-1

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

Client Sample ID: WG-9954-062615-SG-033
Date Collected: 06/26/15 14:00
Date Received: 06/27/15 09:30

Lab Sample ID: 180-45493-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	1.0	ug/L			07/08/15 16:59	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.93	ug/L			07/08/15 16:59	1
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			07/08/15 16:59	1
1,1-Dichloroethane	ND		5.0	1.0	ug/L			07/08/15 16:59	1
1,1-Dichloroethene	ND		5.0	1.1	ug/L			07/08/15 16:59	1
1,2-Dichloroethane	ND		5.0	0.96	ug/L			07/08/15 16:59	1
1,2-Dichloropropane	ND		5.0	1.3	ug/L			07/08/15 16:59	1
2-Butanone (MEK)	ND		5.0	1.1	ug/L			07/08/15 16:59	1
2-Hexanone	ND		5.0	0.57	ug/L			07/08/15 16:59	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.59	ug/L			07/08/15 16:59	1
Acetone	ND		20	5.0	ug/L			07/08/15 16:59	1
Benzene	ND		5.0	0.99	ug/L			07/08/15 16:59	1
Bromodichloromethane	ND		5.0	0.93	ug/L			07/08/15 16:59	1
Bromoform	ND		5.0	1.1	ug/L			07/08/15 16:59	1
Bromomethane	ND		5.0	1.6	ug/L			07/08/15 16:59	1
Carbon disulfide	ND		5.0	1.1	ug/L			07/08/15 16:59	1
Carbon tetrachloride	ND		5.0	1.1	ug/L			07/08/15 16:59	1
Chlorobenzene	ND		5.0	0.53	ug/L			07/08/15 16:59	1
Chloroethane	ND		5.0	0.75	ug/L			07/08/15 16:59	1
Chloroform	ND		5.0	1.0	ug/L			07/08/15 16:59	1
Chloromethane	ND		5.0	1.4	ug/L			07/08/15 16:59	1
cis-1,2-Dichloroethene	ND		5.0	0.67	ug/L			07/08/15 16:59	1
cis-1,3-Dichloropropene	ND		5.0	0.73	ug/L			07/08/15 16:59	1
Dibromochloromethane	ND		5.0	0.65	ug/L			07/08/15 16:59	1
Ethylbenzene	**0.73**	**J**	5.0	0.62	ug/L			07/08/15 16:59	1
Methylene Chloride	ND		5.0	1.1	ug/L			07/08/15 16:59	1
Styrene	ND		5.0	0.64	ug/L			07/08/15 16:59	1
Tetrachloroethene	ND		5.0	0.82	ug/L			07/08/15 16:59	1
Toluene	ND		5.0	0.85	ug/L			07/08/15 16:59	1
trans-1,2-Dichloroethene	ND		5.0	0.75	ug/L			07/08/15 16:59	1
trans-1,3-Dichloropropene	ND		5.0	0.58	ug/L			07/08/15 16:59	1
Trichloroethene	ND		5.0	0.80	ug/L			07/08/15 16:59	1
Vinyl acetate	ND		5.0	0.86	ug/L			07/08/15 16:59	1
Vinyl chloride	ND		5.0	1.3	ug/L			07/08/15 16:59	1
Xylenes, Total	ND		10	1.7	ug/L			07/08/15 16:59	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Butane	*10*	*T J N*	*ug/L*		*1.43*	*106-97-8*		*07/08/15 16:59*	*1*
Methanethiol	*180*	*T J N*	*ug/L*		*1.63*	*74-93-1*		*07/08/15 16:59*	*1*
Dimethyl sulfide	*420*	*T J N*	*ug/L*		*2.54*	*75-18-3*		*07/08/15 16:59*	*1*
Ethane, (methylthio)-	*46*	*T J N*	*ug/L*		*4.67*	*624-89-5*		*07/08/15 16:59*	*1*
Propane, 2-(methylthio)-	*6.2*	*T J N*	*ug/L*		*6.12*	*1551-21-9*		*07/08/15 16:59*	*1*
Disulfide, dimethyl	*26*	*T J N*	*ug/L*		*7.76*	*624-92-0*		*07/08/15 16:59*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*62 - 123*		*07/08/15 16:59*	*1*
4-Bromofluorobenzene (Surr)	*94*		*75 - 120*		*07/08/15 16:59*	*1*
Dibromofluoromethane (Surr)	*108*		*80 - 120*		*07/08/15 16:59*	*1*
Toluene-d8 (Surr)	*107*		*80 - 120*		*07/08/15 16:59*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45493-1

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

Client Sample ID: WG-9954-062615-SG-034
Date Collected: 06/26/15 14:30
Date Received: 06/27/15 09:30

Lab Sample ID: 180-45493-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	1.0	ug/L			07/08/15 17:23	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.93	ug/L			07/08/15 17:23	1
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			07/08/15 17:23	1
1,1-Dichloroethane	ND		5.0	1.0	ug/L			07/08/15 17:23	1
1,1-Dichloroethene	ND		5.0	1.1	ug/L			07/08/15 17:23	1
1,2-Dichloroethane	ND		5.0	0.96	ug/L			07/08/15 17:23	1
1,2-Dichloropropane	ND		5.0	1.3	ug/L			07/08/15 17:23	1
2-Butanone (MEK)	ND		5.0	1.1	ug/L			07/08/15 17:23	1
2-Hexanone	ND		5.0	0.57	ug/L			07/08/15 17:23	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.59	ug/L			07/08/15 17:23	1
Acetone	ND		20	5.0	ug/L			07/08/15 17:23	1
Benzene	ND		5.0	0.99	ug/L			07/08/15 17:23	1
Bromodichloromethane	ND		5.0	0.93	ug/L			07/08/15 17:23	1
Bromoform	ND		5.0	1.1	ug/L			07/08/15 17:23	1
Bromomethane	ND		5.0	1.6	ug/L			07/08/15 17:23	1
Carbon disulfide	**2.2**	**J**	5.0	1.1	ug/L			07/08/15 17:23	1
Carbon tetrachloride	ND		5.0	1.1	ug/L			07/08/15 17:23	1
Chlorobenzene	ND		5.0	0.53	ug/L			07/08/15 17:23	1
Chloroethane	ND		5.0	0.75	ug/L			07/08/15 17:23	1
Chloroform	ND		5.0	1.0	ug/L			07/08/15 17:23	1
Chloromethane	ND		5.0	1.4	ug/L			07/08/15 17:23	1
cis-1,2-Dichloroethene	ND		5.0	0.67	ug/L			07/08/15 17:23	1
cis-1,3-Dichloropropene	ND		5.0	0.73	ug/L			07/08/15 17:23	1
Dibromochloromethane	ND		5.0	0.65	ug/L			07/08/15 17:23	1
Ethylbenzene	ND		5.0	0.62	ug/L			07/08/15 17:23	1
Methylene Chloride	ND		5.0	1.1	ug/L			07/08/15 17:23	1
Styrene	ND		5.0	0.64	ug/L			07/08/15 17:23	1
Tetrachloroethene	ND		5.0	0.82	ug/L			07/08/15 17:23	1
Toluene	ND		5.0	0.85	ug/L			07/08/15 17:23	1
trans-1,2-Dichloroethene	ND		5.0	0.75	ug/L			07/08/15 17:23	1
trans-1,3-Dichloropropene	ND		5.0	0.58	ug/L			07/08/15 17:23	1
Trichloroethene	ND		5.0	0.80	ug/L			07/08/15 17:23	1
Vinyl acetate	ND		5.0	0.86	ug/L			07/08/15 17:23	1
Vinyl chloride	ND		5.0	1.3	ug/L			07/08/15 17:23	1
Xylenes, Total	ND		10	1.7	ug/L			07/08/15 17:23	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Methanethiol	*18*	*T J N*	*ug/L*		*1.61*	*74-93-1*		*07/08/15 17:23*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*87*		*62 - 123*		*07/08/15 17:23*	*1*
4-Bromofluorobenzene (Surr)	*97*		*75 - 120*		*07/08/15 17:23*	*1*
Dibromofluoromethane (Surr)	*112*		*80 - 120*		*07/08/15 17:23*	*1*
Toluene-d8 (Surr)	*116*		*80 - 120*		*07/08/15 17:23*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45493-1

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

Client Sample ID: WG-9954-062615-SG-029
Date Collected: 06/26/15 10:50
Date Received: 06/27/15 09:30

Lab Sample ID: 180-45493-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	1.0	ug/L			07/08/15 17:48	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.93	ug/L			07/08/15 17:48	1
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			07/08/15 17:48	1
1,1-Dichloroethane	ND		5.0	1.0	ug/L			07/08/15 17:48	1
1,1-Dichloroethene	ND		5.0	1.1	ug/L			07/08/15 17:48	1
1,2-Dichloroethane	ND		5.0	0.96	ug/L			07/08/15 17:48	1
1,2-Dichloropropane	ND		5.0	1.3	ug/L			07/08/15 17:48	1
2-Butanone (MEK)	ND		5.0	1.1	ug/L			07/08/15 17:48	1
2-Hexanone	ND		5.0	0.57	ug/L			07/08/15 17:48	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.59	ug/L			07/08/15 17:48	1
Acetone	ND		20	5.0	ug/L			07/08/15 17:48	1
Benzene	ND		5.0	0.99	ug/L			07/08/15 17:48	1
Bromodichloromethane	ND		5.0	0.93	ug/L			07/08/15 17:48	1
Bromoform	ND		5.0	1.1	ug/L			07/08/15 17:48	1
Bromomethane	ND		5.0	1.6	ug/L			07/08/15 17:48	1
Carbon disulfide	**1.2**	**J**	5.0	1.1	ug/L			07/08/15 17:48	1
Carbon tetrachloride	ND		5.0	1.1	ug/L			07/08/15 17:48	1
Chlorobenzene	ND		5.0	0.53	ug/L			07/08/15 17:48	1
Chloroethane	ND		5.0	0.75	ug/L			07/08/15 17:48	1
Chloroform	ND		5.0	1.0	ug/L			07/08/15 17:48	1
Chloromethane	ND		5.0	1.4	ug/L			07/08/15 17:48	1
cis-1,2-Dichloroethene	ND		5.0	0.67	ug/L			07/08/15 17:48	1
cis-1,3-Dichloropropene	ND		5.0	0.73	ug/L			07/08/15 17:48	1
Dibromochloromethane	ND		5.0	0.65	ug/L			07/08/15 17:48	1
Ethylbenzene	ND		5.0	0.62	ug/L			07/08/15 17:48	1
Methylene Chloride	ND		5.0	1.1	ug/L			07/08/15 17:48	1
Styrene	ND		5.0	0.64	ug/L			07/08/15 17:48	1
Tetrachloroethene	ND		5.0	0.82	ug/L			07/08/15 17:48	1
Toluene	ND		5.0	0.85	ug/L			07/08/15 17:48	1
trans-1,2-Dichloroethene	ND		5.0	0.75	ug/L			07/08/15 17:48	1
trans-1,3-Dichloropropene	ND		5.0	0.58	ug/L			07/08/15 17:48	1
Trichloroethene	ND		5.0	0.80	ug/L			07/08/15 17:48	1
Vinyl acetate	ND		5.0	0.86	ug/L			07/08/15 17:48	1
Vinyl chloride	ND		5.0	1.3	ug/L			07/08/15 17:48	1
Xylenes, Total	ND		10	1.7	ug/L			07/08/15 17:48	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*07/08/15 17:48*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*83*		*62 - 123*		*07/08/15 17:48*	*1*
4-Bromofluorobenzene (Surr)	*92*		*75 - 120*		*07/08/15 17:48*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*07/08/15 17:48*	*1*
Toluene-d8 (Surr)	*108*		*80 - 120*		*07/08/15 17:48*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45493-1

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

Client Sample ID: WG-9954-062615-SG-028
Date Collected: 06/26/15 09:45
Date Received: 06/27/15 09:30

Lab Sample ID: 180-45493-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	1.0	ug/L			07/08/15 18:13	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.93	ug/L			07/08/15 18:13	1
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			07/08/15 18:13	1
1,1-Dichloroethane	ND		5.0	1.0	ug/L			07/08/15 18:13	1
1,1-Dichloroethene	ND		5.0	1.1	ug/L			07/08/15 18:13	1
1,2-Dichloroethane	ND		5.0	0.96	ug/L			07/08/15 18:13	1
1,2-Dichloropropane	ND		5.0	1.3	ug/L			07/08/15 18:13	1
2-Butanone (MEK)	ND		5.0	1.1	ug/L			07/08/15 18:13	1
2-Hexanone	ND		5.0	0.57	ug/L			07/08/15 18:13	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.59	ug/L			07/08/15 18:13	1
Acetone	ND		20	5.0	ug/L			07/08/15 18:13	1
Benzene	ND		5.0	0.99	ug/L			07/08/15 18:13	1
Bromodichloromethane	ND		5.0	0.93	ug/L			07/08/15 18:13	1
Bromoform	ND		5.0	1.1	ug/L			07/08/15 18:13	1
Bromomethane	ND		5.0	1.6	ug/L			07/08/15 18:13	1
Carbon disulfide	**1.2**	**J**	5.0	1.1	ug/L			07/08/15 18:13	1
Carbon tetrachloride	ND		5.0	1.1	ug/L			07/08/15 18:13	1
Chlorobenzene	ND		5.0	0.53	ug/L			07/08/15 18:13	1
Chloroethane	ND		5.0	0.75	ug/L			07/08/15 18:13	1
Chloroform	ND		5.0	1.0	ug/L			07/08/15 18:13	1
Chloromethane	ND		5.0	1.4	ug/L			07/08/15 18:13	1
cis-1,2-Dichloroethene	ND		5.0	0.67	ug/L			07/08/15 18:13	1
cis-1,3-Dichloropropene	ND		5.0	0.73	ug/L			07/08/15 18:13	1
Dibromochloromethane	ND		5.0	0.65	ug/L			07/08/15 18:13	1
Ethylbenzene	ND		5.0	0.62	ug/L			07/08/15 18:13	1
Methylene Chloride	ND		5.0	1.1	ug/L			07/08/15 18:13	1
Styrene	ND		5.0	0.64	ug/L			07/08/15 18:13	1
Tetrachloroethene	ND		5.0	0.82	ug/L			07/08/15 18:13	1
Toluene	ND		5.0	0.85	ug/L			07/08/15 18:13	1
trans-1,2-Dichloroethene	ND		5.0	0.75	ug/L			07/08/15 18:13	1
trans-1,3-Dichloropropene	ND		5.0	0.58	ug/L			07/08/15 18:13	1
Trichloroethene	ND		5.0	0.80	ug/L			07/08/15 18:13	1
Vinyl acetate	ND		5.0	0.86	ug/L			07/08/15 18:13	1
Vinyl chloride	ND		5.0	1.3	ug/L			07/08/15 18:13	1
Xylenes, Total	ND		10	1.7	ug/L			07/08/15 18:13	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*07/08/15 18:13*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*88*		*62 - 123*		*07/08/15 18:13*	*1*
4-Bromofluorobenzene (Surr)	*86*		*75 - 120*		*07/08/15 18:13*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*07/08/15 18:13*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*07/08/15 18:13*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45493-1

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

Client Sample ID: WG-9954-062615-SG-030
Date Collected: 06/26/15 12:45
Date Received: 06/27/15 09:30

Lab Sample ID: 180-45493-7
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	1.0	ug/L			07/08/15 18:37	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.93	ug/L			07/08/15 18:37	1
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			07/08/15 18:37	1
1,1-Dichloroethane	ND		5.0	1.0	ug/L			07/08/15 18:37	1
1,1-Dichloroethene	ND		5.0	1.1	ug/L			07/08/15 18:37	1
1,2-Dichloroethane	ND		5.0	0.96	ug/L			07/08/15 18:37	1
1,2-Dichloropropane	ND		5.0	1.3	ug/L			07/08/15 18:37	1
2-Butanone (MEK)	ND		5.0	1.1	ug/L			07/08/15 18:37	1
2-Hexanone	ND		5.0	0.57	ug/L			07/08/15 18:37	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.59	ug/L			07/08/15 18:37	1
Acetone	ND		20	5.0	ug/L			07/08/15 18:37	1
Benzene	ND		5.0	0.99	ug/L			07/08/15 18:37	1
Bromodichloromethane	ND		5.0	0.93	ug/L			07/08/15 18:37	1
Bromoform	ND		5.0	1.1	ug/L			07/08/15 18:37	1
Bromomethane	ND		5.0	1.6	ug/L			07/08/15 18:37	1
Carbon disulfide	**1.2**	**J**	5.0	1.1	ug/L			07/08/15 18:37	1
Carbon tetrachloride	ND		5.0	1.1	ug/L			07/08/15 18:37	1
Chlorobenzene	ND		5.0	0.53	ug/L			07/08/15 18:37	1
Chloroethane	ND		5.0	0.75	ug/L			07/08/15 18:37	1
Chloroform	ND		5.0	1.0	ug/L			07/08/15 18:37	1
Chloromethane	ND		5.0	1.4	ug/L			07/08/15 18:37	1
cis-1,2-Dichloroethene	ND		5.0	0.67	ug/L			07/08/15 18:37	1
cis-1,3-Dichloropropene	ND		5.0	0.73	ug/L			07/08/15 18:37	1
Dibromochloromethane	ND		5.0	0.65	ug/L			07/08/15 18:37	1
Ethylbenzene	ND		5.0	0.62	ug/L			07/08/15 18:37	1
Methylene Chloride	ND		5.0	1.1	ug/L			07/08/15 18:37	1
Styrene	ND		5.0	0.64	ug/L			07/08/15 18:37	1
Tetrachloroethene	ND		5.0	0.82	ug/L			07/08/15 18:37	1
Toluene	ND		5.0	0.85	ug/L			07/08/15 18:37	1
trans-1,2-Dichloroethene	ND		5.0	0.75	ug/L			07/08/15 18:37	1
trans-1,3-Dichloropropene	ND		5.0	0.58	ug/L			07/08/15 18:37	1
Trichloroethene	ND		5.0	0.80	ug/L			07/08/15 18:37	1
Vinyl acetate	ND		5.0	0.86	ug/L			07/08/15 18:37	1
Vinyl chloride	ND		5.0	1.3	ug/L			07/08/15 18:37	1
Xylenes, Total	ND		10	1.7	ug/L			07/08/15 18:37	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*07/08/15 18:37*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*62 - 123*		*07/08/15 18:37*	*1*
4-Bromofluorobenzene (Surr)	*86*		*75 - 120*		*07/08/15 18:37*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*07/08/15 18:37*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*07/08/15 18:37*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45493-1

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

Client Sample ID: LCTRIP-062615-SG
Date Collected: 06/26/15 09:45
Date Received: 06/27/15 09:30

Lab Sample ID: 180-45493-8
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	1.0	ug/L			07/07/15 23:22	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.93	ug/L			07/07/15 23:22	1
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			07/07/15 23:22	1
1,1-Dichloroethane	ND		5.0	1.0	ug/L			07/07/15 23:22	1
1,1-Dichloroethene	ND		5.0	1.1	ug/L			07/07/15 23:22	1
1,2-Dichloroethane	ND		5.0	0.96	ug/L			07/07/15 23:22	1
1,2-Dichloropropane	ND		5.0	1.3	ug/L			07/07/15 23:22	1
2-Butanone (MEK)	ND		5.0	1.1	ug/L			07/07/15 23:22	1
2-Hexanone	ND		5.0	0.57	ug/L			07/07/15 23:22	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.59	ug/L			07/07/15 23:22	1
Acetone	ND		20	5.0	ug/L			07/07/15 23:22	1
Benzene	ND		5.0	0.99	ug/L			07/07/15 23:22	1
Bromodichloromethane	ND		5.0	0.93	ug/L			07/07/15 23:22	1
Bromoform	ND		5.0	1.1	ug/L			07/07/15 23:22	1
Bromomethane	ND		5.0	1.6	ug/L			07/07/15 23:22	1
Carbon disulfide	ND		5.0	1.1	ug/L			07/07/15 23:22	1
Carbon tetrachloride	ND		5.0	1.1	ug/L			07/07/15 23:22	1
Chlorobenzene	ND		5.0	0.53	ug/L			07/07/15 23:22	1
Chloroethane	ND		5.0	0.75	ug/L			07/07/15 23:22	1
Chloroform	ND		5.0	1.0	ug/L			07/07/15 23:22	1
Chloromethane	ND		5.0	1.4	ug/L			07/07/15 23:22	1
cis-1,2-Dichloroethene	ND		5.0	0.67	ug/L			07/07/15 23:22	1
cis-1,3-Dichloropropene	ND		5.0	0.73	ug/L			07/07/15 23:22	1
Dibromochloromethane	ND		5.0	0.65	ug/L			07/07/15 23:22	1
Ethylbenzene	ND		5.0	0.62	ug/L			07/07/15 23:22	1
Methylene Chloride	ND		5.0	1.1	ug/L			07/07/15 23:22	1
Styrene	ND		5.0	0.64	ug/L			07/07/15 23:22	1
Tetrachloroethene	ND		5.0	0.82	ug/L			07/07/15 23:22	1
Toluene	ND		5.0	0.85	ug/L			07/07/15 23:22	1
trans-1,2-Dichloroethene	ND		5.0	0.75	ug/L			07/07/15 23:22	1
trans-1,3-Dichloropropene	ND		5.0	0.58	ug/L			07/07/15 23:22	1
Trichloroethene	ND		5.0	0.80	ug/L			07/07/15 23:22	1
Vinyl acetate	ND		5.0	0.86	ug/L			07/07/15 23:22	1
Vinyl chloride	ND		5.0	1.3	ug/L			07/07/15 23:22	1
Xylenes, Total	ND		10	1.7	ug/L			07/07/15 23:22	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*07/07/15 23:22*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*79*		*62 - 123*		*07/07/15 23:22*	*1*
4-Bromofluorobenzene (Surr)	*83*		*75 - 120*		*07/07/15 23:22*	*1*
Dibromofluoromethane (Surr)	*92*		*80 - 120*		*07/07/15 23:22*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*07/07/15 23:22*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45493-1

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

Client Sample ID: WG-9954-062615-SG-031
Date Collected: 06/26/15 12:45
Date Received: 06/27/15 09:30

Lab Sample ID: 180-45493-9
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	1.0	ug/L			07/08/15 19:02	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.93	ug/L			07/08/15 19:02	1
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			07/08/15 19:02	1
1,1-Dichloroethane	ND		5.0	1.0	ug/L			07/08/15 19:02	1
1,1-Dichloroethene	ND		5.0	1.1	ug/L			07/08/15 19:02	1
1,2-Dichloroethane	ND		5.0	0.96	ug/L			07/08/15 19:02	1
1,2-Dichloropropane	ND		5.0	1.3	ug/L			07/08/15 19:02	1
2-Butanone (MEK)	ND		5.0	1.1	ug/L			07/08/15 19:02	1
2-Hexanone	ND		5.0	0.57	ug/L			07/08/15 19:02	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.59	ug/L			07/08/15 19:02	1
Acetone	ND		20	5.0	ug/L			07/08/15 19:02	1
Benzene	ND		5.0	0.99	ug/L			07/08/15 19:02	1
Bromodichloromethane	ND		5.0	0.93	ug/L			07/08/15 19:02	1
Bromoform	ND		5.0	1.1	ug/L			07/08/15 19:02	1
Bromomethane	ND		5.0	1.6	ug/L			07/08/15 19:02	1
Carbon disulfide	**1.4**	**J**	5.0	1.1	ug/L			07/08/15 19:02	1
Carbon tetrachloride	ND		5.0	1.1	ug/L			07/08/15 19:02	1
Chlorobenzene	ND		5.0	0.53	ug/L			07/08/15 19:02	1
Chloroethane	ND		5.0	0.75	ug/L			07/08/15 19:02	1
Chloroform	ND		5.0	1.0	ug/L			07/08/15 19:02	1
Chloromethane	ND		5.0	1.4	ug/L			07/08/15 19:02	1
cis-1,2-Dichloroethene	ND		5.0	0.67	ug/L			07/08/15 19:02	1
cis-1,3-Dichloropropene	ND		5.0	0.73	ug/L			07/08/15 19:02	1
Dibromochloromethane	ND		5.0	0.65	ug/L			07/08/15 19:02	1
Ethylbenzene	ND		5.0	0.62	ug/L			07/08/15 19:02	1
Methylene Chloride	ND		5.0	1.1	ug/L			07/08/15 19:02	1
Styrene	ND		5.0	0.64	ug/L			07/08/15 19:02	1
Tetrachloroethene	ND		5.0	0.82	ug/L			07/08/15 19:02	1
Toluene	ND		5.0	0.85	ug/L			07/08/15 19:02	1
trans-1,2-Dichloroethene	ND		5.0	0.75	ug/L			07/08/15 19:02	1
trans-1,3-Dichloropropene	ND		5.0	0.58	ug/L			07/08/15 19:02	1
Trichloroethene	ND		5.0	0.80	ug/L			07/08/15 19:02	1
Vinyl acetate	ND		5.0	0.86	ug/L			07/08/15 19:02	1
Vinyl chloride	ND		5.0	1.3	ug/L			07/08/15 19:02	1
Xylenes, Total	ND		10	1.7	ug/L			07/08/15 19:02	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Sulfur dioxide	*14*	*T J N*	*ug/L*		*1.27*	*7446-09-5*		*07/08/15 19:02*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*82*		*62 - 123*		*07/08/15 19:02*	*1*
4-Bromofluorobenzene (Surr)	*84*		*75 - 120*		*07/08/15 19:02*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*07/08/15 19:02*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*07/08/15 19:02*	*1*

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

Client Sample ID: WG-9954-062615-SG-035
Date Collected: 06/26/15 14:10
Date Received: 06/27/15 09:30

Lab Sample ID: 180-45493-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		1.9	0.27	ug/L		07/03/15 09:26	07/13/15 13:35	1
Acenaphthylene	ND		1.9	0.20	ug/L		07/03/15 09:26	07/13/15 13:35	1
Anthracene	ND		1.9	0.18	ug/L		07/03/15 09:26	07/13/15 13:35	1
Benzo[a]anthracene	ND		1.9	0.34	ug/L		07/03/15 09:26	07/13/15 13:35	1
Benzo[b]fluoranthene	ND		1.9	0.45	ug/L		07/03/15 09:26	07/13/15 13:35	1
Benzo[k]fluoranthene	ND		1.9	0.28	ug/L		07/03/15 09:26	07/13/15 13:35	1
Benzoic acid	ND		46	15	ug/L		07/03/15 09:26	07/13/15 13:35	1
Benzo[g,h,i]perylene	ND		1.9	0.27	ug/L		07/03/15 09:26	07/13/15 13:35	1
Benzo[a]pyrene	ND		1.9	0.26	ug/L		07/03/15 09:26	07/13/15 13:35	1
Benzyl alcohol	ND		9.3	1.8	ug/L		07/03/15 09:26	07/13/15 13:35	1
Bis(2-chloroethoxy)methane	ND		9.3	1.2	ug/L		07/03/15 09:26	07/13/15 13:35	1
Bis(2-chloroethyl)ether	ND		9.3	0.29	ug/L		07/03/15 09:26	07/13/15 13:35	1
Bis(2-ethylhexyl) phthalate	ND		19	4.1	ug/L		07/03/15 09:26	07/13/15 13:35	1
4-Bromophenyl phenyl ether	ND		9.3	1.1	ug/L		07/03/15 09:26	07/13/15 13:35	1
Butyl benzyl phthalate	ND		9.3	2.0	ug/L		07/03/15 09:26	07/13/15 13:35	1
4-Chloroaniline	ND		9.3	2.7	ug/L		07/03/15 09:26	07/13/15 13:35	1
4-Chloro-3-methylphenol	ND		9.3	1.6	ug/L		07/03/15 09:26	07/13/15 13:35	1
2-Chloronaphthalene	ND		1.9	0.28	ug/L		07/03/15 09:26	07/13/15 13:35	1
2-Chlorophenol	ND		9.3	2.1	ug/L		07/03/15 09:26	07/13/15 13:35	1
4-Chlorophenyl phenyl ether	ND		9.3	0.74	ug/L		07/03/15 09:26	07/13/15 13:35	1
Chrysene	ND		1.9	0.29	ug/L		07/03/15 09:26	07/13/15 13:35	1
Dibenz(a,h)anthracene	ND		1.9	0.25	ug/L		07/03/15 09:26	07/13/15 13:35	1
Dibenzofuran	ND		9.3	0.89	ug/L		07/03/15 09:26	07/13/15 13:35	1
Di-n-butyl phthalate	ND		9.3	2.2	ug/L		07/03/15 09:26	07/13/15 13:35	1
1,2-Dichlorobenzene	ND		9.3	1.0	ug/L		07/03/15 09:26	07/13/15 13:35	1
1,3-Dichlorobenzene	ND		9.3	0.70	ug/L		07/03/15 09:26	07/13/15 13:35	1
3,3'-Dichlorobenzidine	ND		9.3	1.4	ug/L		07/03/15 09:26	07/13/15 13:35	1
2,4-Dichlorophenol	ND		9.3	0.62	ug/L		07/03/15 09:26	07/13/15 13:35	1
Diethyl phthalate	ND		9.3	2.7	ug/L		07/03/15 09:26	07/13/15 13:35	1
2,4-Dimethylphenol	ND		9.3	1.6	ug/L		07/03/15 09:26	07/13/15 13:35	1
Dimethyl phthalate	ND		9.3	1.7	ug/L		07/03/15 09:26	07/13/15 13:35	1
4,6-Dinitro-2-methylphenol	ND		46	14	ug/L		07/03/15 09:26	07/13/15 13:35	1
2,4-Dinitrophenol	ND		46	23	ug/L		07/03/15 09:26	07/13/15 13:35	1
2,4-Dinitrotoluene	ND		9.3	2.0	ug/L		07/03/15 09:26	07/13/15 13:35	1
2,6-Dinitrotoluene	ND		9.3	1.3	ug/L		07/03/15 09:26	07/13/15 13:35	1
Di-n-octyl phthalate	ND		9.3	1.9	ug/L		07/03/15 09:26	07/13/15 13:35	1
Fluoranthene	ND		1.9	0.20	ug/L		07/03/15 09:26	07/13/15 13:35	1
Fluorene	ND		1.9	0.22	ug/L		07/03/15 09:26	07/13/15 13:35	1
Hexachlorobenzene	ND		9.3	0.56	ug/L		07/03/15 09:26	07/13/15 13:35	1
Hexachlorobutadiene	ND		9.3	0.87	ug/L		07/03/15 09:26	07/13/15 13:35	1
Hexachlorocyclopentadiene	ND		9.3	1.3	ug/L		07/03/15 09:26	07/13/15 13:35	1
Hexachloroethane	ND		9.3	1.3	ug/L		07/03/15 09:26	07/13/15 13:35	1
Indeno[1,2,3-cd]pyrene	ND		1.9	0.40	ug/L		07/03/15 09:26	07/13/15 13:35	1
Isophorone	ND		9.3	0.68	ug/L		07/03/15 09:26	07/13/15 13:35	1
2-Methylnaphthalene	ND		1.9	0.18	ug/L		07/03/15 09:26	07/13/15 13:35	1
2-Methylphenol	ND		9.3	1.7	ug/L		07/03/15 09:26	07/13/15 13:35	1
4-Methylphenol	ND		9.3	1.9	ug/L		07/03/15 09:26	07/13/15 13:35	1
Naphthalene	ND		1.9	0.21	ug/L		07/03/15 09:26	07/13/15 13:35	1
2-Nitroaniline	ND		46	6.2	ug/L		07/03/15 09:26	07/13/15 13:35	1

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

Client Sample ID: WG-9954-062615-SG-035
Date Collected: 06/26/15 14:10
Date Received: 06/27/15 09:30

Lab Sample ID: 180-45493-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		46	7.5	ug/L		07/03/15 09:26	07/13/15 13:35	1
4-Nitroaniline	ND		46	7.2	ug/L		07/03/15 09:26	07/13/15 13:35	1
Nitrobenzene	ND		19	1.4	ug/L		07/03/15 09:26	07/13/15 13:35	1
2-Nitrophenol	ND		9.3	1.0	ug/L		07/03/15 09:26	07/13/15 13:35	1
4-Nitrophenol	ND		46	7.4	ug/L		07/03/15 09:26	07/13/15 13:35	1
N-Nitrosodiphenylamine	ND		9.3	1.1	ug/L		07/03/15 09:26	07/13/15 13:35	1
N-Nitrosodi-n-propylamine	ND		9.3	0.46	ug/L		07/03/15 09:26	07/13/15 13:35	1
Pentachlorophenol	ND		9.3	4.6	ug/L		07/03/15 09:26	07/13/15 13:35	1
Phenanthrene	ND		1.9	0.38	ug/L		07/03/15 09:26	07/13/15 13:35	1
Phenol	ND		9.3	0.51	ug/L		07/03/15 09:26	07/13/15 13:35	1
Pyrene	ND		1.9	0.21	ug/L		07/03/15 09:26	07/13/15 13:35	1
1,2,4-Trichlorobenzene	ND		9.3	0.79	ug/L		07/03/15 09:26	07/13/15 13:35	1
2,4,5-Trichlorophenol	ND		9.3	1.1	ug/L		07/03/15 09:26	07/13/15 13:35	1
2,4,6-Trichlorophenol	ND		9.3	2.8	ug/L		07/03/15 09:26	07/13/15 13:35	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*5.1*	*T J*	*ug/L*		*10.68*		*07/03/15 09:26*	*07/13/15 13:35*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*28 - 106*	*07/03/15 09:26*	*07/13/15 13:35*	*1*
2-Fluorophenol	*55*		*20 - 108*	*07/03/15 09:26*	*07/13/15 13:35*	*1*
2,4,6-Tribromophenol	*54*		*25 - 118*	*07/03/15 09:26*	*07/13/15 13:35*	*1*
Nitrobenzene-d5	*67*		*27 - 110*	*07/03/15 09:26*	*07/13/15 13:35*	*1*
Phenol-d5	*54*		*23 - 111*	*07/03/15 09:26*	*07/13/15 13:35*	*1*
Terphenyl-d14	*77*		*20 - 109*	*07/03/15 09:26*	*07/13/15 13:35*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45493-1

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

Client Sample ID: WG-9954-062615-SG-032
Date Collected: 06/26/15 13:15
Date Received: 06/27/15 09:30

Lab Sample ID: 180-45493-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		1.9	0.27	ug/L		07/03/15 09:26	07/13/15 14:03	1
Acenaphthylene	ND		1.9	0.20	ug/L		07/03/15 09:26	07/13/15 14:03	1
Anthracene	ND		1.9	0.18	ug/L		07/03/15 09:26	07/13/15 14:03	1
Benzo[a]anthracene	ND		1.9	0.34	ug/L		07/03/15 09:26	07/13/15 14:03	1
Benzo[b]fluoranthene	ND		1.9	0.45	ug/L		07/03/15 09:26	07/13/15 14:03	1
Benzo[k]fluoranthene	ND		1.9	0.28	ug/L		07/03/15 09:26	07/13/15 14:03	1
Benzoic acid	ND		46	15	ug/L		07/03/15 09:26	07/13/15 14:03	1
Benzo[g,h,i]perylene	ND		1.9	0.27	ug/L		07/03/15 09:26	07/13/15 14:03	1
Benzo[a]pyrene	ND		1.9	0.26	ug/L		07/03/15 09:26	07/13/15 14:03	1
Benzyl alcohol	ND		9.3	1.8	ug/L		07/03/15 09:26	07/13/15 14:03	1
Bis(2-chloroethoxy)methane	ND		9.3	1.2	ug/L		07/03/15 09:26	07/13/15 14:03	1
Bis(2-chloroethyl)ether	ND		9.3	0.29	ug/L		07/03/15 09:26	07/13/15 14:03	1
Bis(2-ethylhexyl) phthalate	ND		19	4.1	ug/L		07/03/15 09:26	07/13/15 14:03	1
4-Bromophenyl phenyl ether	ND		9.3	1.1	ug/L		07/03/15 09:26	07/13/15 14:03	1
Butyl benzyl phthalate	ND		9.3	2.0	ug/L		07/03/15 09:26	07/13/15 14:03	1
4-Chloroaniline	ND		9.3	2.7	ug/L		07/03/15 09:26	07/13/15 14:03	1
4-Chloro-3-methylphenol	ND		9.3	1.6	ug/L		07/03/15 09:26	07/13/15 14:03	1
2-Chloronaphthalene	ND		1.9	0.28	ug/L		07/03/15 09:26	07/13/15 14:03	1
2-Chlorophenol	ND		9.3	2.1	ug/L		07/03/15 09:26	07/13/15 14:03	1
4-Chlorophenyl phenyl ether	ND		9.3	0.74	ug/L		07/03/15 09:26	07/13/15 14:03	1
Chrysene	ND		1.9	0.29	ug/L		07/03/15 09:26	07/13/15 14:03	1
Dibenz(a,h)anthracene	ND		1.9	0.25	ug/L		07/03/15 09:26	07/13/15 14:03	1
Dibenzofuran	ND		9.3	0.89	ug/L		07/03/15 09:26	07/13/15 14:03	1
Di-n-butyl phthalate	ND		9.3	2.2	ug/L		07/03/15 09:26	07/13/15 14:03	1
1,2-Dichlorobenzene	ND		9.3	1.0	ug/L		07/03/15 09:26	07/13/15 14:03	1
1,3-Dichlorobenzene	ND		9.3	0.70	ug/L		07/03/15 09:26	07/13/15 14:03	1
3,3'-Dichlorobenzidine	ND		9.3	1.4	ug/L		07/03/15 09:26	07/13/15 14:03	1
2,4-Dichlorophenol	ND		9.3	0.62	ug/L		07/03/15 09:26	07/13/15 14:03	1
Diethyl phthalate	ND		9.3	2.7	ug/L		07/03/15 09:26	07/13/15 14:03	1
2,4-Dimethylphenol	ND		9.3	1.6	ug/L		07/03/15 09:26	07/13/15 14:03	1
Dimethyl phthalate	ND		9.3	1.7	ug/L		07/03/15 09:26	07/13/15 14:03	1
4,6-Dinitro-2-methylphenol	ND		46	14	ug/L		07/03/15 09:26	07/13/15 14:03	1
2,4-Dinitrophenol	ND		46	23	ug/L		07/03/15 09:26	07/13/15 14:03	1
2,4-Dinitrotoluene	ND		9.3	2.0	ug/L		07/03/15 09:26	07/13/15 14:03	1
2,6-Dinitrotoluene	ND		9.3	1.3	ug/L		07/03/15 09:26	07/13/15 14:03	1
Di-n-octyl phthalate	ND		9.3	1.9	ug/L		07/03/15 09:26	07/13/15 14:03	1
Fluoranthene	ND		1.9	0.20	ug/L		07/03/15 09:26	07/13/15 14:03	1
Fluorene	ND		1.9	0.22	ug/L		07/03/15 09:26	07/13/15 14:03	1
Hexachlorobenzene	ND		9.3	0.56	ug/L		07/03/15 09:26	07/13/15 14:03	1
Hexachlorobutadiene	ND		9.3	0.87	ug/L		07/03/15 09:26	07/13/15 14:03	1
Hexachlorocyclopentadiene	ND		9.3	1.3	ug/L		07/03/15 09:26	07/13/15 14:03	1
Hexachloroethane	ND		9.3	1.3	ug/L		07/03/15 09:26	07/13/15 14:03	1
Indeno[1,2,3-cd]pyrene	ND		1.9	0.40	ug/L		07/03/15 09:26	07/13/15 14:03	1
Isophorone	ND		9.3	0.68	ug/L		07/03/15 09:26	07/13/15 14:03	1
2-Methylnaphthalene	ND		1.9	0.18	ug/L		07/03/15 09:26	07/13/15 14:03	1
2-Methylphenol	ND		9.3	1.7	ug/L		07/03/15 09:26	07/13/15 14:03	1
4-Methylphenol	ND		9.3	1.9	ug/L		07/03/15 09:26	07/13/15 14:03	1
Naphthalene	**0.41**	**J**	1.9	0.21	ug/L		07/03/15 09:26	07/13/15 14:03	1
2-Nitroaniline	ND		46	6.2	ug/L		07/03/15 09:26	07/13/15 14:03	1

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

Client Sample ID: WG-9954-062615-SG-032
Date Collected: 06/26/15 13:15
Date Received: 06/27/15 09:30

Lab Sample ID: 180-45493-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		46	7.5	ug/L		07/03/15 09:26	07/13/15 14:03	1
4-Nitroaniline	ND		46	7.2	ug/L		07/03/15 09:26	07/13/15 14:03	1
Nitrobenzene	ND		19	1.4	ug/L		07/03/15 09:26	07/13/15 14:03	1
2-Nitrophenol	ND		9.3	1.0	ug/L		07/03/15 09:26	07/13/15 14:03	1
4-Nitrophenol	ND		46	7.4	ug/L		07/03/15 09:26	07/13/15 14:03	1
N-Nitrosodiphenylamine	ND		9.3	1.1	ug/L		07/03/15 09:26	07/13/15 14:03	1
N-Nitrosodi-n-propylamine	ND		9.3	0.46	ug/L		07/03/15 09:26	07/13/15 14:03	1
Pentachlorophenol	ND		9.3	4.6	ug/L		07/03/15 09:26	07/13/15 14:03	1
Phenanthrene	ND		1.9	0.38	ug/L		07/03/15 09:26	07/13/15 14:03	1
Phenol	ND		9.3	0.51	ug/L		07/03/15 09:26	07/13/15 14:03	1
Pyrene	ND		1.9	0.21	ug/L		07/03/15 09:26	07/13/15 14:03	1
1,2,4-Trichlorobenzene	ND		9.3	0.79	ug/L		07/03/15 09:26	07/13/15 14:03	1
2,4,5-Trichlorophenol	ND		9.3	1.1	ug/L		07/03/15 09:26	07/13/15 14:03	1
2,4,6-Trichlorophenol	ND		9.3	2.8	ug/L		07/03/15 09:26	07/13/15 14:03	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*32*	*T J*	*ug/L*		*7.77*		*07/03/15 09:26*	*07/13/15 14:03*	*1*
Unknown	*10*	*T J*	*ug/L*		*9.14*		*07/03/15 09:26*	*07/13/15 14:03*	*1*
Unknown	*31*	*T J*	*ug/L*		*10.68*		*07/03/15 09:26*	*07/13/15 14:03*	*1*
Unknown	*29*	*T J*	*ug/L*		*10.89*		*07/03/15 09:26*	*07/13/15 14:03*	*1*
Unknown	*7.7*	*T J*	*ug/L*		*11.03*		*07/03/15 09:26*	*07/13/15 14:03*	*1*
Unknown	*220*	*T J*	*ug/L*		*11.57*		*07/03/15 09:26*	*07/13/15 14:03*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*82*		*28 - 106*	*07/03/15 09:26*	*07/13/15 14:03*	*1*
2-Fluorophenol	*66*		*20 - 108*	*07/03/15 09:26*	*07/13/15 14:03*	*1*
2,4,6-Tribromophenol	*55*		*25 - 118*	*07/03/15 09:26*	*07/13/15 14:03*	*1*
Nitrobenzene-d5	*78*		*27 - 110*	*07/03/15 09:26*	*07/13/15 14:03*	*1*
Phenol-d5	*68*		*23 - 111*	*07/03/15 09:26*	*07/13/15 14:03*	*1*
Terphenyl-d14	*83*		*20 - 109*	*07/03/15 09:26*	*07/13/15 14:03*	*1*

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

Client Sample ID: WG-9954-062615-SG-033
Date Collected: 06/26/15 14:00
Date Received: 06/27/15 09:30

Lab Sample ID: 180-45493-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		1.9	0.28	ug/L		07/03/15 09:26	07/13/15 14:31	1
Acenaphthylene	ND		1.9	0.21	ug/L		07/03/15 09:26	07/13/15 14:31	1
Anthracene	ND		1.9	0.18	ug/L		07/03/15 09:26	07/13/15 14:31	1
Benzo[a]anthracene	ND		1.9	0.35	ug/L		07/03/15 09:26	07/13/15 14:31	1
Benzo[b]fluoranthene	ND		1.9	0.47	ug/L		07/03/15 09:26	07/13/15 14:31	1
Benzo[k]fluoranthene	ND		1.9	0.29	ug/L		07/03/15 09:26	07/13/15 14:31	1
Benzoic acid	ND		48	16	ug/L		07/03/15 09:26	07/13/15 14:31	1
Benzo[g,h,i]perylene	ND		1.9	0.28	ug/L		07/03/15 09:26	07/13/15 14:31	1
Benzo[a]pyrene	ND		1.9	0.27	ug/L		07/03/15 09:26	07/13/15 14:31	1
Benzyl alcohol	ND		9.6	1.9	ug/L		07/03/15 09:26	07/13/15 14:31	1
Bis(2-chloroethoxy)methane	ND		9.6	1.3	ug/L		07/03/15 09:26	07/13/15 14:31	1
Bis(2-chloroethyl)ether	ND		9.6	0.30	ug/L		07/03/15 09:26	07/13/15 14:31	1
Bis(2-ethylhexyl) phthalate	ND		19	4.2	ug/L		07/03/15 09:26	07/13/15 14:31	1
4-Bromophenyl phenyl ether	ND		9.6	1.1	ug/L		07/03/15 09:26	07/13/15 14:31	1
Butyl benzyl phthalate	ND		9.6	2.1	ug/L		07/03/15 09:26	07/13/15 14:31	1
4-Chloroaniline	ND		9.6	2.8	ug/L		07/03/15 09:26	07/13/15 14:31	1
4-Chloro-3-methylphenol	ND		9.6	1.6	ug/L		07/03/15 09:26	07/13/15 14:31	1
2-Chloronaphthalene	ND		1.9	0.30	ug/L		07/03/15 09:26	07/13/15 14:31	1
2-Chlorophenol	ND		9.6	2.2	ug/L		07/03/15 09:26	07/13/15 14:31	1
4-Chlorophenyl phenyl ether	ND		9.6	0.77	ug/L		07/03/15 09:26	07/13/15 14:31	1
Chrysene	ND		1.9	0.30	ug/L		07/03/15 09:26	07/13/15 14:31	1
Dibenz(a,h)anthracene	ND		1.9	0.26	ug/L		07/03/15 09:26	07/13/15 14:31	1
Dibenzofuran	ND		9.6	0.93	ug/L		07/03/15 09:26	07/13/15 14:31	1
Di-n-butyl phthalate	ND		9.6	2.3	ug/L		07/03/15 09:26	07/13/15 14:31	1
1,2-Dichlorobenzene	ND		9.6	1.0	ug/L		07/03/15 09:26	07/13/15 14:31	1
1,3-Dichlorobenzene	ND		9.6	0.72	ug/L		07/03/15 09:26	07/13/15 14:31	1
3,3'-Dichlorobenzidine	ND		9.6	1.4	ug/L		07/03/15 09:26	07/13/15 14:31	1
2,4-Dichlorophenol	ND		9.6	0.65	ug/L		07/03/15 09:26	07/13/15 14:31	1
Diethyl phthalate	**3.0**	**J**	9.6	2.9	ug/L		07/03/15 09:26	07/13/15 14:31	1
2,4-Dimethylphenol	ND		9.6	1.6	ug/L		07/03/15 09:26	07/13/15 14:31	1
Dimethyl phthalate	ND		9.6	1.8	ug/L		07/03/15 09:26	07/13/15 14:31	1
4,6-Dinitro-2-methylphenol	ND		48	15	ug/L		07/03/15 09:26	07/13/15 14:31	1
2,4-Dinitrophenol	ND		48	24	ug/L		07/03/15 09:26	07/13/15 14:31	1
2,4-Dinitrotoluene	ND		9.6	2.1	ug/L		07/03/15 09:26	07/13/15 14:31	1
2,6-Dinitrotoluene	ND		9.6	1.3	ug/L		07/03/15 09:26	07/13/15 14:31	1
Di-n-octyl phthalate	ND		9.6	2.0	ug/L		07/03/15 09:26	07/13/15 14:31	1
Fluoranthene	ND		1.9	0.20	ug/L		07/03/15 09:26	07/13/15 14:31	1
Fluorene	ND		1.9	0.23	ug/L		07/03/15 09:26	07/13/15 14:31	1
Hexachlorobenzene	ND		9.6	0.59	ug/L		07/03/15 09:26	07/13/15 14:31	1
Hexachlorobutadiene	ND		9.6	0.90	ug/L		07/03/15 09:26	07/13/15 14:31	1
Hexachlorocyclopentadiene	ND		9.6	1.3	ug/L		07/03/15 09:26	07/13/15 14:31	1
Hexachloroethane	ND		9.6	1.3	ug/L		07/03/15 09:26	07/13/15 14:31	1
Indeno[1,2,3-cd]pyrene	ND		1.9	0.42	ug/L		07/03/15 09:26	07/13/15 14:31	1
Isophorone	ND		9.6	0.71	ug/L		07/03/15 09:26	07/13/15 14:31	1
2-Methylnaphthalene	ND		1.9	0.18	ug/L		07/03/15 09:26	07/13/15 14:31	1
2-Methylphenol	ND		9.6	1.8	ug/L		07/03/15 09:26	07/13/15 14:31	1
4-Methylphenol	ND		9.6	2.0	ug/L		07/03/15 09:26	07/13/15 14:31	1
Naphthalene	**1.0**	**J**	1.9	0.22	ug/L		07/03/15 09:26	07/13/15 14:31	1
2-Nitroaniline	ND		48	6.5	ug/L		07/03/15 09:26	07/13/15 14:31	1

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

Client Sample ID: WG-9954-062615-SG-033
Date Collected: 06/26/15 14:00
Date Received: 06/27/15 09:30

Lab Sample ID: 180-45493-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		48	7.7	ug/L		07/03/15 09:26	07/13/15 14:31	1
4-Nitroaniline	ND		48	7.4	ug/L		07/03/15 09:26	07/13/15 14:31	1
Nitrobenzene	ND		19	1.4	ug/L		07/03/15 09:26	07/13/15 14:31	1
2-Nitrophenol	ND		9.6	1.1	ug/L		07/03/15 09:26	07/13/15 14:31	1
4-Nitrophenol	ND		48	7.7	ug/L		07/03/15 09:26	07/13/15 14:31	1
N-Nitrosodiphenylamine	ND		9.6	1.2	ug/L		07/03/15 09:26	07/13/15 14:31	1
N-Nitrosodi-n-propylamine	ND		9.6	0.48	ug/L		07/03/15 09:26	07/13/15 14:31	1
Pentachlorophenol	ND		9.6	4.8	ug/L		07/03/15 09:26	07/13/15 14:31	1
Phenanthrene	ND		1.9	0.40	ug/L		07/03/15 09:26	07/13/15 14:31	1
Phenol	ND		9.6	0.53	ug/L		07/03/15 09:26	07/13/15 14:31	1
Pyrene	ND		1.9	0.22	ug/L		07/03/15 09:26	07/13/15 14:31	1
1,2,4-Trichlorobenzene	ND		9.6	0.82	ug/L		07/03/15 09:26	07/13/15 14:31	1
2,4,5-Trichlorophenol	ND		9.6	1.2	ug/L		07/03/15 09:26	07/13/15 14:31	1
2,4,6-Trichlorophenol	ND		9.6	2.9	ug/L		07/03/15 09:26	07/13/15 14:31	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*44*	*T J*	*ug/L*		*2.51*		*07/03/15 09:26*	*07/13/15 14:31*	*1*
Unknown	*46*	*T J*	*ug/L*		*7.77*		*07/03/15 09:26*	*07/13/15 14:31*	*1*
Unknown	*14*	*T J*	*ug/L*		*9.14*		*07/03/15 09:26*	*07/13/15 14:31*	*1*
Unknown	*5.5*	*T J*	*ug/L*		*10.84*		*07/03/15 09:26*	*07/13/15 14:31*	*1*
Unknown	*44*	*T J*	*ug/L*		*11.54*		*07/03/15 09:26*	*07/13/15 14:31*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*77*		*28 - 106*	*07/03/15 09:26*	*07/13/15 14:31*	*1*
2-Fluorophenol	*70*		*20 - 108*	*07/03/15 09:26*	*07/13/15 14:31*	*1*
2,4,6-Tribromophenol	*31*		*25 - 118*	*07/03/15 09:26*	*07/13/15 14:31*	*1*
Nitrobenzene-d5	*83*		*27 - 110*	*07/03/15 09:26*	*07/13/15 14:31*	*1*
Phenol-d5	*67*		*23 - 111*	*07/03/15 09:26*	*07/13/15 14:31*	*1*
Terphenyl-d14	*77*		*20 - 109*	*07/03/15 09:26*	*07/13/15 14:31*	*1*

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

Client Sample ID: WG-9954-062615-SG-034
Date Collected: 06/26/15 14:30
Date Received: 06/27/15 09:30

Lab Sample ID: 180-45493-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		1.9	0.27	ug/L		07/03/15 09:26	07/13/15 14:59	1
Acenaphthylene	ND		1.9	0.20	ug/L		07/03/15 09:26	07/13/15 14:59	1
Anthracene	ND		1.9	0.18	ug/L		07/03/15 09:26	07/13/15 14:59	1
Benzo[a]anthracene	ND		1.9	0.34	ug/L		07/03/15 09:26	07/13/15 14:59	1
Benzo[b]fluoranthene	ND		1.9	0.45	ug/L		07/03/15 09:26	07/13/15 14:59	1
Benzo[k]fluoranthene	ND		1.9	0.28	ug/L		07/03/15 09:26	07/13/15 14:59	1
Benzoic acid	ND		46	15	ug/L		07/03/15 09:26	07/13/15 14:59	1
Benzo[g,h,i]perylene	ND		1.9	0.27	ug/L		07/03/15 09:26	07/13/15 14:59	1
Benzo[a]pyrene	ND		1.9	0.26	ug/L		07/03/15 09:26	07/13/15 14:59	1
Benzyl alcohol	ND		9.3	1.8	ug/L		07/03/15 09:26	07/13/15 14:59	1
Bis(2-chloroethoxy)methane	ND		9.3	1.2	ug/L		07/03/15 09:26	07/13/15 14:59	1
Bis(2-chloroethyl)ether	ND		9.3	0.29	ug/L		07/03/15 09:26	07/13/15 14:59	1
Bis(2-ethylhexyl) phthalate	ND		19	4.1	ug/L		07/03/15 09:26	07/13/15 14:59	1
4-Bromophenyl phenyl ether	ND		9.3	1.1	ug/L		07/03/15 09:26	07/13/15 14:59	1
Butyl benzyl phthalate	ND		9.3	2.0	ug/L		07/03/15 09:26	07/13/15 14:59	1
4-Chloroaniline	ND		9.3	2.7	ug/L		07/03/15 09:26	07/13/15 14:59	1
4-Chloro-3-methylphenol	ND		9.3	1.6	ug/L		07/03/15 09:26	07/13/15 14:59	1
2-Chloronaphthalene	ND		1.9	0.28	ug/L		07/03/15 09:26	07/13/15 14:59	1
2-Chlorophenol	ND		9.3	2.1	ug/L		07/03/15 09:26	07/13/15 14:59	1
4-Chlorophenyl phenyl ether	ND		9.3	0.74	ug/L		07/03/15 09:26	07/13/15 14:59	1
Chrysene	ND		1.9	0.29	ug/L		07/03/15 09:26	07/13/15 14:59	1
Dibenz(a,h)anthracene	ND		1.9	0.25	ug/L		07/03/15 09:26	07/13/15 14:59	1
Dibenzofuran	ND		9.3	0.89	ug/L		07/03/15 09:26	07/13/15 14:59	1
Di-n-butyl phthalate	ND		9.3	2.2	ug/L		07/03/15 09:26	07/13/15 14:59	1
1,2-Dichlorobenzene	ND		9.3	1.0	ug/L		07/03/15 09:26	07/13/15 14:59	1
1,3-Dichlorobenzene	ND		9.3	0.70	ug/L		07/03/15 09:26	07/13/15 14:59	1
3,3'-Dichlorobenzidine	ND		9.3	1.4	ug/L		07/03/15 09:26	07/13/15 14:59	1
2,4-Dichlorophenol	ND		9.3	0.62	ug/L		07/03/15 09:26	07/13/15 14:59	1
Diethyl phthalate	ND		9.3	2.7	ug/L		07/03/15 09:26	07/13/15 14:59	1
2,4-Dimethylphenol	ND		9.3	1.6	ug/L		07/03/15 09:26	07/13/15 14:59	1
Dimethyl phthalate	ND		9.3	1.7	ug/L		07/03/15 09:26	07/13/15 14:59	1
4,6-Dinitro-2-methylphenol	ND		46	14	ug/L		07/03/15 09:26	07/13/15 14:59	1
2,4-Dinitrophenol	ND		46	23	ug/L		07/03/15 09:26	07/13/15 14:59	1
2,4-Dinitrotoluene	ND		9.3	2.0	ug/L		07/03/15 09:26	07/13/15 14:59	1
2,6-Dinitrotoluene	ND		9.3	1.3	ug/L		07/03/15 09:26	07/13/15 14:59	1
Di-n-octyl phthalate	ND		9.3	1.9	ug/L		07/03/15 09:26	07/13/15 14:59	1
Fluoranthene	ND		1.9	0.20	ug/L		07/03/15 09:26	07/13/15 14:59	1
Fluorene	ND		1.9	0.22	ug/L		07/03/15 09:26	07/13/15 14:59	1
Hexachlorobenzene	ND		9.3	0.56	ug/L		07/03/15 09:26	07/13/15 14:59	1
Hexachlorobutadiene	ND		9.3	0.87	ug/L		07/03/15 09:26	07/13/15 14:59	1
Hexachlorocyclopentadiene	ND		9.3	1.3	ug/L		07/03/15 09:26	07/13/15 14:59	1
Hexachloroethane	ND		9.3	1.3	ug/L		07/03/15 09:26	07/13/15 14:59	1
Indeno[1,2,3-cd]pyrene	ND		1.9	0.40	ug/L		07/03/15 09:26	07/13/15 14:59	1
Isophorone	ND		9.3	0.68	ug/L		07/03/15 09:26	07/13/15 14:59	1
2-Methylnaphthalene	ND		1.9	0.18	ug/L		07/03/15 09:26	07/13/15 14:59	1
2-Methylphenol	ND		9.3	1.7	ug/L		07/03/15 09:26	07/13/15 14:59	1
4-Methylphenol	ND		9.3	1.9	ug/L		07/03/15 09:26	07/13/15 14:59	1
Naphthalene	ND		1.9	0.21	ug/L		07/03/15 09:26	07/13/15 14:59	1
2-Nitroaniline	ND		46	6.2	ug/L		07/03/15 09:26	07/13/15 14:59	1

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

Client Sample ID: WG-9954-062615-SG-034
Date Collected: 06/26/15 14:30
Date Received: 06/27/15 09:30

Lab Sample ID: 180-45493-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		46	7.5	ug/L		07/03/15 09:26	07/13/15 14:59	1
4-Nitroaniline	ND		46	7.2	ug/L		07/03/15 09:26	07/13/15 14:59	1
Nitrobenzene	ND		19	1.4	ug/L		07/03/15 09:26	07/13/15 14:59	1
2-Nitrophenol	ND		9.3	1.0	ug/L		07/03/15 09:26	07/13/15 14:59	1
4-Nitrophenol	ND		46	7.4	ug/L		07/03/15 09:26	07/13/15 14:59	1
N-Nitrosodiphenylamine	ND		9.3	1.1	ug/L		07/03/15 09:26	07/13/15 14:59	1
N-Nitrosodi-n-propylamine	ND		9.3	0.46	ug/L		07/03/15 09:26	07/13/15 14:59	1
Pentachlorophenol	ND		9.3	4.6	ug/L		07/03/15 09:26	07/13/15 14:59	1
Phenanthrene	ND		1.9	0.38	ug/L		07/03/15 09:26	07/13/15 14:59	1
Phenol	ND		9.3	0.51	ug/L		07/03/15 09:26	07/13/15 14:59	1
Pyrene	ND		1.9	0.21	ug/L		07/03/15 09:26	07/13/15 14:59	1
1,2,4-Trichlorobenzene	ND		9.3	0.79	ug/L		07/03/15 09:26	07/13/15 14:59	1
2,4,5-Trichlorophenol	ND		9.3	1.1	ug/L		07/03/15 09:26	07/13/15 14:59	1
2,4,6-Trichlorophenol	ND		9.3	2.8	ug/L		07/03/15 09:26	07/13/15 14:59	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*13*	*T J*	*ug/L*		*9.92*		*07/03/15 09:26*	*07/13/15 14:59*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*81*		*28 - 106*	*07/03/15 09:26*	*07/13/15 14:59*	*1*
2-Fluorophenol	*73*		*20 - 108*	*07/03/15 09:26*	*07/13/15 14:59*	*1*
2,4,6-Tribromophenol	*17*	*X*	*25 - 118*	*07/03/15 09:26*	*07/13/15 14:59*	*1*
Nitrobenzene-d5	*87*		*27 - 110*	*07/03/15 09:26*	*07/13/15 14:59*	*1*
Phenol-d5	*78*		*23 - 111*	*07/03/15 09:26*	*07/13/15 14:59*	*1*
Terphenyl-d14	*81*		*20 - 109*	*07/03/15 09:26*	*07/13/15 14:59*	*1*

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

Client Sample ID: WG-9954-062615-SG-029
Date Collected: 06/26/15 10:50
Date Received: 06/27/15 09:30

Lab Sample ID: 180-45493-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		1.9	0.28	ug/L		07/03/15 09:26	07/13/15 15:27	1
Acenaphthylene	ND		1.9	0.21	ug/L		07/03/15 09:26	07/13/15 15:27	1
Anthracene	ND		1.9	0.18	ug/L		07/03/15 09:26	07/13/15 15:27	1
Benzo[a]anthracene	ND		1.9	0.35	ug/L		07/03/15 09:26	07/13/15 15:27	1
Benzo[b]fluoranthene	ND		1.9	0.47	ug/L		07/03/15 09:26	07/13/15 15:27	1
Benzo[k]fluoranthene	ND		1.9	0.29	ug/L		07/03/15 09:26	07/13/15 15:27	1
Benzoic acid	ND		48	16	ug/L		07/03/15 09:26	07/13/15 15:27	1
Benzo[g,h,i]perylene	ND		1.9	0.28	ug/L		07/03/15 09:26	07/13/15 15:27	1
Benzo[a]pyrene	ND		1.9	0.27	ug/L		07/03/15 09:26	07/13/15 15:27	1
Benzyl alcohol	ND		9.6	1.9	ug/L		07/03/15 09:26	07/13/15 15:27	1
Bis(2-chloroethoxy)methane	ND		9.6	1.3	ug/L		07/03/15 09:26	07/13/15 15:27	1
Bis(2-chloroethyl)ether	ND		9.6	0.30	ug/L		07/03/15 09:26	07/13/15 15:27	1
Bis(2-ethylhexyl) phthalate	ND		19	4.2	ug/L		07/03/15 09:26	07/13/15 15:27	1
4-Bromophenyl phenyl ether	ND		9.6	1.1	ug/L		07/03/15 09:26	07/13/15 15:27	1
Butyl benzyl phthalate	ND		9.6	2.1	ug/L		07/03/15 09:26	07/13/15 15:27	1
4-Chloroaniline	ND		9.6	2.8	ug/L		07/03/15 09:26	07/13/15 15:27	1
4-Chloro-3-methylphenol	ND		9.6	1.6	ug/L		07/03/15 09:26	07/13/15 15:27	1
2-Chloronaphthalene	ND		1.9	0.30	ug/L		07/03/15 09:26	07/13/15 15:27	1
2-Chlorophenol	ND		9.6	2.2	ug/L		07/03/15 09:26	07/13/15 15:27	1
4-Chlorophenyl phenyl ether	ND		9.6	0.77	ug/L		07/03/15 09:26	07/13/15 15:27	1
Chrysene	ND		1.9	0.30	ug/L		07/03/15 09:26	07/13/15 15:27	1
Dibenz(a,h)anthracene	ND		1.9	0.26	ug/L		07/03/15 09:26	07/13/15 15:27	1
Dibenzofuran	ND		9.6	0.93	ug/L		07/03/15 09:26	07/13/15 15:27	1
Di-n-butyl phthalate	ND		9.6	2.3	ug/L		07/03/15 09:26	07/13/15 15:27	1
1,2-Dichlorobenzene	ND		9.6	1.0	ug/L		07/03/15 09:26	07/13/15 15:27	1
1,3-Dichlorobenzene	ND		9.6	0.72	ug/L		07/03/15 09:26	07/13/15 15:27	1
3,3'-Dichlorobenzidine	ND		9.6	1.4	ug/L		07/03/15 09:26	07/13/15 15:27	1
2,4-Dichlorophenol	ND		9.6	0.65	ug/L		07/03/15 09:26	07/13/15 15:27	1
Diethyl phthalate	ND		9.6	2.9	ug/L		07/03/15 09:26	07/13/15 15:27	1
2,4-Dimethylphenol	ND		9.6	1.6	ug/L		07/03/15 09:26	07/13/15 15:27	1
Dimethyl phthalate	ND		9.6	1.8	ug/L		07/03/15 09:26	07/13/15 15:27	1
4,6-Dinitro-2-methylphenol	ND		48	15	ug/L		07/03/15 09:26	07/13/15 15:27	1
2,4-Dinitrophenol	ND		48	24	ug/L		07/03/15 09:26	07/13/15 15:27	1
2,4-Dinitrotoluene	ND		9.6	2.1	ug/L		07/03/15 09:26	07/13/15 15:27	1
2,6-Dinitrotoluene	ND		9.6	1.3	ug/L		07/03/15 09:26	07/13/15 15:27	1
Di-n-octyl phthalate	ND		9.6	2.0	ug/L		07/03/15 09:26	07/13/15 15:27	1
Fluoranthene	ND		1.9	0.20	ug/L		07/03/15 09:26	07/13/15 15:27	1
Fluorene	ND		1.9	0.23	ug/L		07/03/15 09:26	07/13/15 15:27	1
Hexachlorobenzene	**2.1**	**J**	9.6	0.59	ug/L		07/03/15 09:26	07/13/15 15:27	1
Hexachlorobutadiene	ND		9.6	0.90	ug/L		07/03/15 09:26	07/13/15 15:27	1
Hexachlorocyclopentadiene	ND		9.6	1.3	ug/L		07/03/15 09:26	07/13/15 15:27	1
Hexachloroethane	ND		9.6	1.3	ug/L		07/03/15 09:26	07/13/15 15:27	1
Indeno[1,2,3-cd]pyrene	ND		1.9	0.42	ug/L		07/03/15 09:26	07/13/15 15:27	1
Isophorone	ND		9.6	0.71	ug/L		07/03/15 09:26	07/13/15 15:27	1
2-Methylnaphthalene	ND		1.9	0.18	ug/L		07/03/15 09:26	07/13/15 15:27	1
2-Methylphenol	ND		9.6	1.8	ug/L		07/03/15 09:26	07/13/15 15:27	1
4-Methylphenol	ND		9.6	2.0	ug/L		07/03/15 09:26	07/13/15 15:27	1
Naphthalene	ND		1.9	0.22	ug/L		07/03/15 09:26	07/13/15 15:27	1
2-Nitroaniline	ND		48	6.5	ug/L		07/03/15 09:26	07/13/15 15:27	1

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

Client Sample ID: WG-9954-062615-SG-029
Date Collected: 06/26/15 10:50
Date Received: 06/27/15 09:30

Lab Sample ID: 180-45493-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		48	7.7	ug/L		07/03/15 09:26	07/13/15 15:27	1
4-Nitroaniline	ND		48	7.4	ug/L		07/03/15 09:26	07/13/15 15:27	1
Nitrobenzene	ND		19	1.4	ug/L		07/03/15 09:26	07/13/15 15:27	1
2-Nitrophenol	ND		9.6	1.1	ug/L		07/03/15 09:26	07/13/15 15:27	1
4-Nitrophenol	ND		48	7.7	ug/L		07/03/15 09:26	07/13/15 15:27	1
N-Nitrosodiphenylamine	ND		9.6	1.2	ug/L		07/03/15 09:26	07/13/15 15:27	1
N-Nitrosodi-n-propylamine	ND		9.6	0.48	ug/L		07/03/15 09:26	07/13/15 15:27	1
Pentachlorophenol	ND		9.6	4.8	ug/L		07/03/15 09:26	07/13/15 15:27	1
Phenanthrene	ND		1.9	0.40	ug/L		07/03/15 09:26	07/13/15 15:27	1
Phenol	ND		9.6	0.53	ug/L		07/03/15 09:26	07/13/15 15:27	1
Pyrene	ND		1.9	0.22	ug/L		07/03/15 09:26	07/13/15 15:27	1
1,2,4-Trichlorobenzene	ND		9.6	0.82	ug/L		07/03/15 09:26	07/13/15 15:27	1
2,4,5-Trichlorophenol	ND		9.6	1.2	ug/L		07/03/15 09:26	07/13/15 15:27	1
2,4,6-Trichlorophenol	ND		9.6	2.9	ug/L		07/03/15 09:26	07/13/15 15:27	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*				*07/03/15 09:26*	*07/13/15 15:27*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*94*		*28 - 106*	*07/03/15 09:26*	*07/13/15 15:27*	*1*
2-Fluorophenol	*81*		*20 - 108*	*07/03/15 09:26*	*07/13/15 15:27*	*1*
2,4,6-Tribromophenol	*12*	*X*	*25 - 118*	*07/03/15 09:26*	*07/13/15 15:27*	*1*
Nitrobenzene-d5	*96*		*27 - 110*	*07/03/15 09:26*	*07/13/15 15:27*	*1*
Phenol-d5	*86*		*23 - 111*	*07/03/15 09:26*	*07/13/15 15:27*	*1*
Terphenyl-d14	*99*		*20 - 109*	*07/03/15 09:26*	*07/13/15 15:27*	*1*

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

Client Sample ID: WG-9954-062615-SG-028
Date Collected: 06/26/15 09:45
Date Received: 06/27/15 09:30

Lab Sample ID: 180-45493-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		1.9	0.27	ug/L		07/03/15 09:26	07/13/15 15:55	1
Acenaphthylene	ND		1.9	0.20	ug/L		07/03/15 09:26	07/13/15 15:55	1
Anthracene	ND		1.9	0.18	ug/L		07/03/15 09:26	07/13/15 15:55	1
Benzo[a]anthracene	ND		1.9	0.34	ug/L		07/03/15 09:26	07/13/15 15:55	1
Benzo[b]fluoranthene	ND		1.9	0.45	ug/L		07/03/15 09:26	07/13/15 15:55	1
Benzo[k]fluoranthene	ND		1.9	0.28	ug/L		07/03/15 09:26	07/13/15 15:55	1
Benzoic acid	ND		46	15	ug/L		07/03/15 09:26	07/13/15 15:55	1
Benzo[g,h,i]perylene	ND		1.9	0.27	ug/L		07/03/15 09:26	07/13/15 15:55	1
Benzo[a]pyrene	ND		1.9	0.26	ug/L		07/03/15 09:26	07/13/15 15:55	1
Benzyl alcohol	ND		9.3	1.8	ug/L		07/03/15 09:26	07/13/15 15:55	1
Bis(2-chloroethoxy)methane	ND		9.3	1.2	ug/L		07/03/15 09:26	07/13/15 15:55	1
Bis(2-chloroethyl)ether	ND		9.3	0.29	ug/L		07/03/15 09:26	07/13/15 15:55	1
Bis(2-ethylhexyl) phthalate	ND		19	4.1	ug/L		07/03/15 09:26	07/13/15 15:55	1
4-Bromophenyl phenyl ether	ND		9.3	1.1	ug/L		07/03/15 09:26	07/13/15 15:55	1
Butyl benzyl phthalate	ND		9.3	2.0	ug/L		07/03/15 09:26	07/13/15 15:55	1
4-Chloroaniline	ND		9.3	2.7	ug/L		07/03/15 09:26	07/13/15 15:55	1
4-Chloro-3-methylphenol	ND		9.3	1.6	ug/L		07/03/15 09:26	07/13/15 15:55	1
2-Chloronaphthalene	ND		1.9	0.28	ug/L		07/03/15 09:26	07/13/15 15:55	1
2-Chlorophenol	ND		9.3	2.1	ug/L		07/03/15 09:26	07/13/15 15:55	1
4-Chlorophenyl phenyl ether	ND		9.3	0.74	ug/L		07/03/15 09:26	07/13/15 15:55	1
Chrysene	ND		1.9	0.29	ug/L		07/03/15 09:26	07/13/15 15:55	1
Dibenz(a,h)anthracene	ND		1.9	0.25	ug/L		07/03/15 09:26	07/13/15 15:55	1
Dibenzofuran	ND		9.3	0.89	ug/L		07/03/15 09:26	07/13/15 15:55	1
Di-n-butyl phthalate	ND		9.3	2.2	ug/L		07/03/15 09:26	07/13/15 15:55	1
1,2-Dichlorobenzene	ND		9.3	1.0	ug/L		07/03/15 09:26	07/13/15 15:55	1
1,3-Dichlorobenzene	ND		9.3	0.70	ug/L		07/03/15 09:26	07/13/15 15:55	1
3,3'-Dichlorobenzidine	ND		9.3	1.4	ug/L		07/03/15 09:26	07/13/15 15:55	1
2,4-Dichlorophenol	ND		9.3	0.62	ug/L		07/03/15 09:26	07/13/15 15:55	1
Diethyl phthalate	ND		9.3	2.7	ug/L		07/03/15 09:26	07/13/15 15:55	1
2,4-Dimethylphenol	ND		9.3	1.6	ug/L		07/03/15 09:26	07/13/15 15:55	1
Dimethyl phthalate	ND		9.3	1.7	ug/L		07/03/15 09:26	07/13/15 15:55	1
4,6-Dinitro-2-methylphenol	ND		46	14	ug/L		07/03/15 09:26	07/13/15 15:55	1
2,4-Dinitrophenol	ND		46	23	ug/L		07/03/15 09:26	07/13/15 15:55	1
2,4-Dinitrotoluene	ND		9.3	2.0	ug/L		07/03/15 09:26	07/13/15 15:55	1
2,6-Dinitrotoluene	ND		9.3	1.3	ug/L		07/03/15 09:26	07/13/15 15:55	1
Di-n-octyl phthalate	ND		9.3	1.9	ug/L		07/03/15 09:26	07/13/15 15:55	1
Fluoranthene	ND		1.9	0.20	ug/L		07/03/15 09:26	07/13/15 15:55	1
Fluorene	ND		1.9	0.22	ug/L		07/03/15 09:26	07/13/15 15:55	1
Hexachlorobenzene	ND		9.3	0.56	ug/L		07/03/15 09:26	07/13/15 15:55	1
Hexachlorobutadiene	ND		9.3	0.87	ug/L		07/03/15 09:26	07/13/15 15:55	1
Hexachlorocyclopentadiene	ND		9.3	1.3	ug/L		07/03/15 09:26	07/13/15 15:55	1
Hexachloroethane	ND		9.3	1.3	ug/L		07/03/15 09:26	07/13/15 15:55	1
Indeno[1,2,3-cd]pyrene	ND		1.9	0.40	ug/L		07/03/15 09:26	07/13/15 15:55	1
Isophorone	ND		9.3	0.68	ug/L		07/03/15 09:26	07/13/15 15:55	1
2-Methylnaphthalene	ND		1.9	0.18	ug/L		07/03/15 09:26	07/13/15 15:55	1
2-Methylphenol	ND		9.3	1.7	ug/L		07/03/15 09:26	07/13/15 15:55	1
4-Methylphenol	ND		9.3	1.9	ug/L		07/03/15 09:26	07/13/15 15:55	1
Naphthalene	ND		1.9	0.21	ug/L		07/03/15 09:26	07/13/15 15:55	1
2-Nitroaniline	ND		46	6.2	ug/L		07/03/15 09:26	07/13/15 15:55	1

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

Client Sample ID: WG-9954-062615-SG-028
Date Collected: 06/26/15 09:45
Date Received: 06/27/15 09:30

Lab Sample ID: 180-45493-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		46	7.5	ug/L		07/03/15 09:26	07/13/15 15:55	1
4-Nitroaniline	ND		46	7.2	ug/L		07/03/15 09:26	07/13/15 15:55	1
Nitrobenzene	ND		19	1.4	ug/L		07/03/15 09:26	07/13/15 15:55	1
2-Nitrophenol	ND		9.3	1.0	ug/L		07/03/15 09:26	07/13/15 15:55	1
4-Nitrophenol	ND		46	7.4	ug/L		07/03/15 09:26	07/13/15 15:55	1
N-Nitrosodiphenylamine	ND		9.3	1.1	ug/L		07/03/15 09:26	07/13/15 15:55	1
N-Nitrosodi-n-propylamine	ND		9.3	0.46	ug/L		07/03/15 09:26	07/13/15 15:55	1
Pentachlorophenol	ND		9.3	4.6	ug/L		07/03/15 09:26	07/13/15 15:55	1
Phenanthrene	ND		1.9	0.38	ug/L		07/03/15 09:26	07/13/15 15:55	1
Phenol	ND		9.3	0.51	ug/L		07/03/15 09:26	07/13/15 15:55	1
Pyrene	ND		1.9	0.21	ug/L		07/03/15 09:26	07/13/15 15:55	1
1,2,4-Trichlorobenzene	ND		9.3	0.79	ug/L		07/03/15 09:26	07/13/15 15:55	1
2,4,5-Trichlorophenol	ND		9.3	1.1	ug/L		07/03/15 09:26	07/13/15 15:55	1
2,4,6-Trichlorophenol	ND		9.3	2.8	ug/L		07/03/15 09:26	07/13/15 15:55	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*				*07/03/15 09:26*	*07/13/15 15:55*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*77*		*28 - 106*	*07/03/15 09:26*	*07/13/15 15:55*	*1*
2-Fluorophenol	*75*		*20 - 108*	*07/03/15 09:26*	*07/13/15 15:55*	*1*
2,4,6-Tribromophenol	*10*	*X*	*25 - 118*	*07/03/15 09:26*	*07/13/15 15:55*	*1*
Nitrobenzene-d5	*87*		*27 - 110*	*07/03/15 09:26*	*07/13/15 15:55*	*1*
Phenol-d5	*77*		*23 - 111*	*07/03/15 09:26*	*07/13/15 15:55*	*1*
Terphenyl-d14	*60*		*20 - 109*	*07/03/15 09:26*	*07/13/15 15:55*	*1*

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

Client Sample ID: WG-9954-062615-SG-030
Date Collected: 06/26/15 12:45
Date Received: 06/27/15 09:30

Lab Sample ID: 180-45493-7
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		1.9	0.27	ug/L		07/03/15 09:27	07/13/15 16:23	1
Acenaphthylene	ND		1.9	0.20	ug/L		07/03/15 09:27	07/13/15 16:23	1
Anthracene	ND		1.9	0.18	ug/L		07/03/15 09:27	07/13/15 16:23	1
Benzo[a]anthracene	ND		1.9	0.34	ug/L		07/03/15 09:27	07/13/15 16:23	1
Benzo[b]fluoranthene	ND		1.9	0.45	ug/L		07/03/15 09:27	07/13/15 16:23	1
Benzo[k]fluoranthene	ND		1.9	0.28	ug/L		07/03/15 09:27	07/13/15 16:23	1
Benzoic acid	ND		46	15	ug/L		07/03/15 09:27	07/13/15 16:23	1
Benzo[g,h,i]perylene	ND		1.9	0.27	ug/L		07/03/15 09:27	07/13/15 16:23	1
Benzo[a]pyrene	ND		1.9	0.26	ug/L		07/03/15 09:27	07/13/15 16:23	1
Benzyl alcohol	ND		9.3	1.8	ug/L		07/03/15 09:27	07/13/15 16:23	1
Bis(2-chloroethoxy)methane	ND		9.3	1.2	ug/L		07/03/15 09:27	07/13/15 16:23	1
Bis(2-chloroethyl)ether	ND		9.3	0.29	ug/L		07/03/15 09:27	07/13/15 16:23	1
Bis(2-ethylhexyl) phthalate	ND		19	4.1	ug/L		07/03/15 09:27	07/13/15 16:23	1
4-Bromophenyl phenyl ether	ND		9.3	1.1	ug/L		07/03/15 09:27	07/13/15 16:23	1
Butyl benzyl phthalate	ND		9.3	2.0	ug/L		07/03/15 09:27	07/13/15 16:23	1
4-Chloroaniline	ND		9.3	2.7	ug/L		07/03/15 09:27	07/13/15 16:23	1
4-Chloro-3-methylphenol	ND		9.3	1.6	ug/L		07/03/15 09:27	07/13/15 16:23	1
2-Chloronaphthalene	ND		1.9	0.28	ug/L		07/03/15 09:27	07/13/15 16:23	1
2-Chlorophenol	ND		9.3	2.1	ug/L		07/03/15 09:27	07/13/15 16:23	1
4-Chlorophenyl phenyl ether	ND		9.3	0.74	ug/L		07/03/15 09:27	07/13/15 16:23	1
Chrysene	ND		1.9	0.29	ug/L		07/03/15 09:27	07/13/15 16:23	1
Dibenz(a,h)anthracene	ND		1.9	0.25	ug/L		07/03/15 09:27	07/13/15 16:23	1
Dibenzofuran	ND		9.3	0.89	ug/L		07/03/15 09:27	07/13/15 16:23	1
Di-n-butyl phthalate	ND		9.3	2.2	ug/L		07/03/15 09:27	07/13/15 16:23	1
1,2-Dichlorobenzene	ND		9.3	1.0	ug/L		07/03/15 09:27	07/13/15 16:23	1
1,3-Dichlorobenzene	ND		9.3	0.70	ug/L		07/03/15 09:27	07/13/15 16:23	1
3,3'-Dichlorobenzidine	ND		9.3	1.4	ug/L		07/03/15 09:27	07/13/15 16:23	1
2,4-Dichlorophenol	ND		9.3	0.62	ug/L		07/03/15 09:27	07/13/15 16:23	1
Diethyl phthalate	ND		9.3	2.7	ug/L		07/03/15 09:27	07/13/15 16:23	1
2,4-Dimethylphenol	ND		9.3	1.6	ug/L		07/03/15 09:27	07/13/15 16:23	1
Dimethyl phthalate	ND		9.3	1.7	ug/L		07/03/15 09:27	07/13/15 16:23	1
4,6-Dinitro-2-methylphenol	ND		46	14	ug/L		07/03/15 09:27	07/13/15 16:23	1
2,4-Dinitrophenol	ND		46	23	ug/L		07/03/15 09:27	07/13/15 16:23	1
2,4-Dinitrotoluene	ND		9.3	2.0	ug/L		07/03/15 09:27	07/13/15 16:23	1
2,6-Dinitrotoluene	ND		9.3	1.3	ug/L		07/03/15 09:27	07/13/15 16:23	1
Di-n-octyl phthalate	ND		9.3	1.9	ug/L		07/03/15 09:27	07/13/15 16:23	1
Fluoranthene	ND		1.9	0.20	ug/L		07/03/15 09:27	07/13/15 16:23	1
Fluorene	ND		1.9	0.22	ug/L		07/03/15 09:27	07/13/15 16:23	1
Hexachlorobenzene	ND		9.3	0.56	ug/L		07/03/15 09:27	07/13/15 16:23	1
Hexachlorobutadiene	ND		9.3	0.87	ug/L		07/03/15 09:27	07/13/15 16:23	1
Hexachlorocyclopentadiene	ND		9.3	1.3	ug/L		07/03/15 09:27	07/13/15 16:23	1
Hexachloroethane	ND		9.3	1.3	ug/L		07/03/15 09:27	07/13/15 16:23	1
Indeno[1,2,3-cd]pyrene	ND		1.9	0.40	ug/L		07/03/15 09:27	07/13/15 16:23	1
Isophorone	ND		9.3	0.68	ug/L		07/03/15 09:27	07/13/15 16:23	1
2-Methylnaphthalene	ND		1.9	0.18	ug/L		07/03/15 09:27	07/13/15 16:23	1
2-Methylphenol	ND		9.3	1.7	ug/L		07/03/15 09:27	07/13/15 16:23	1
4-Methylphenol	ND		9.3	1.9	ug/L		07/03/15 09:27	07/13/15 16:23	1
Naphthalene	ND		1.9	0.21	ug/L		07/03/15 09:27	07/13/15 16:23	1
2-Nitroaniline	ND		46	6.2	ug/L		07/03/15 09:27	07/13/15 16:23	1

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

Client Sample ID: WG-9954-062615-SG-030
Date Collected: 06/26/15 12:45
Date Received: 06/27/15 09:30

Lab Sample ID: 180-45493-7
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		46	7.5	ug/L		07/03/15 09:27	07/13/15 16:23	1
4-Nitroaniline	ND		46	7.2	ug/L		07/03/15 09:27	07/13/15 16:23	1
Nitrobenzene	ND		19	1.4	ug/L		07/03/15 09:27	07/13/15 16:23	1
2-Nitrophenol	ND		9.3	1.0	ug/L		07/03/15 09:27	07/13/15 16:23	1
4-Nitrophenol	ND		46	7.4	ug/L		07/03/15 09:27	07/13/15 16:23	1
N-Nitrosodiphenylamine	ND		9.3	1.1	ug/L		07/03/15 09:27	07/13/15 16:23	1
N-Nitrosodi-n-propylamine	ND		9.3	0.46	ug/L		07/03/15 09:27	07/13/15 16:23	1
Pentachlorophenol	ND		9.3	4.6	ug/L		07/03/15 09:27	07/13/15 16:23	1
Phenanthrene	ND		1.9	0.38	ug/L		07/03/15 09:27	07/13/15 16:23	1
Phenol	ND		9.3	0.51	ug/L		07/03/15 09:27	07/13/15 16:23	1
Pyrene	ND		1.9	0.21	ug/L		07/03/15 09:27	07/13/15 16:23	1
1,2,4-Trichlorobenzene	ND		9.3	0.79	ug/L		07/03/15 09:27	07/13/15 16:23	1
2,4,5-Trichlorophenol	ND		9.3	1.1	ug/L		07/03/15 09:27	07/13/15 16:23	1
2,4,6-Trichlorophenol	ND		9.3	2.8	ug/L		07/03/15 09:27	07/13/15 16:23	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*				*07/03/15 09:27*	*07/13/15 16:23*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*85*		*28 - 106*	*07/03/15 09:27*	*07/13/15 16:23*	*1*
2-Fluorophenol	*76*		*20 - 108*	*07/03/15 09:27*	*07/13/15 16:23*	*1*
2,4,6-Tribromophenol	*8*	*X*	*25 - 118*	*07/03/15 09:27*	*07/13/15 16:23*	*1*
Nitrobenzene-d5	*89*		*27 - 110*	*07/03/15 09:27*	*07/13/15 16:23*	*1*
Phenol-d5	*80*		*23 - 111*	*07/03/15 09:27*	*07/13/15 16:23*	*1*
Terphenyl-d14	*84*		*20 - 109*	*07/03/15 09:27*	*07/13/15 16:23*	*1*

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

Client Sample ID: WG-9954-062615-SG-031
Date Collected: 06/26/15 12:45
Date Received: 06/27/15 09:30

Lab Sample ID: 180-45493-9
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		1.9	0.27	ug/L		07/03/15 09:27	07/13/15 16:51	1
Acenaphthylene	ND		1.9	0.20	ug/L		07/03/15 09:27	07/13/15 16:51	1
Anthracene	ND		1.9	0.18	ug/L		07/03/15 09:27	07/13/15 16:51	1
Benzo[a]anthracene	ND		1.9	0.34	ug/L		07/03/15 09:27	07/13/15 16:51	1
Benzo[b]fluoranthene	ND		1.9	0.45	ug/L		07/03/15 09:27	07/13/15 16:51	1
Benzo[k]fluoranthene	ND		1.9	0.28	ug/L		07/03/15 09:27	07/13/15 16:51	1
Benzoic acid	ND		46	15	ug/L		07/03/15 09:27	07/13/15 16:51	1
Benzo[g,h,i]perylene	ND		1.9	0.27	ug/L		07/03/15 09:27	07/13/15 16:51	1
Benzo[a]pyrene	ND		1.9	0.26	ug/L		07/03/15 09:27	07/13/15 16:51	1
Benzyl alcohol	ND		9.3	1.8	ug/L		07/03/15 09:27	07/13/15 16:51	1
Bis(2-chloroethoxy)methane	ND		9.3	1.2	ug/L		07/03/15 09:27	07/13/15 16:51	1
Bis(2-chloroethyl)ether	ND		9.3	0.29	ug/L		07/03/15 09:27	07/13/15 16:51	1
Bis(2-ethylhexyl) phthalate	ND		19	4.1	ug/L		07/03/15 09:27	07/13/15 16:51	1
4-Bromophenyl phenyl ether	ND		9.3	1.1	ug/L		07/03/15 09:27	07/13/15 16:51	1
Butyl benzyl phthalate	ND		9.3	2.0	ug/L		07/03/15 09:27	07/13/15 16:51	1
4-Chloroaniline	ND		9.3	2.7	ug/L		07/03/15 09:27	07/13/15 16:51	1
4-Chloro-3-methylphenol	ND		9.3	1.6	ug/L		07/03/15 09:27	07/13/15 16:51	1
2-Chloronaphthalene	ND		1.9	0.28	ug/L		07/03/15 09:27	07/13/15 16:51	1
2-Chlorophenol	ND		9.3	2.1	ug/L		07/03/15 09:27	07/13/15 16:51	1
4-Chlorophenyl phenyl ether	ND		9.3	0.74	ug/L		07/03/15 09:27	07/13/15 16:51	1
Chrysene	ND		1.9	0.29	ug/L		07/03/15 09:27	07/13/15 16:51	1
Dibenz(a,h)anthracene	ND		1.9	0.25	ug/L		07/03/15 09:27	07/13/15 16:51	1
Dibenzofuran	ND		9.3	0.89	ug/L		07/03/15 09:27	07/13/15 16:51	1
Di-n-butyl phthalate	ND		9.3	2.2	ug/L		07/03/15 09:27	07/13/15 16:51	1
1,2-Dichlorobenzene	ND		9.3	1.0	ug/L		07/03/15 09:27	07/13/15 16:51	1
1,3-Dichlorobenzene	ND		9.3	0.70	ug/L		07/03/15 09:27	07/13/15 16:51	1
3,3'-Dichlorobenzidine	ND		9.3	1.4	ug/L		07/03/15 09:27	07/13/15 16:51	1
2,4-Dichlorophenol	ND		9.3	0.62	ug/L		07/03/15 09:27	07/13/15 16:51	1
Diethyl phthalate	ND		9.3	2.7	ug/L		07/03/15 09:27	07/13/15 16:51	1
2,4-Dimethylphenol	ND		9.3	1.6	ug/L		07/03/15 09:27	07/13/15 16:51	1
Dimethyl phthalate	ND		9.3	1.7	ug/L		07/03/15 09:27	07/13/15 16:51	1
4,6-Dinitro-2-methylphenol	ND		46	14	ug/L		07/03/15 09:27	07/13/15 16:51	1
2,4-Dinitrophenol	ND		46	23	ug/L		07/03/15 09:27	07/13/15 16:51	1
2,4-Dinitrotoluene	ND		9.3	2.0	ug/L		07/03/15 09:27	07/13/15 16:51	1
2,6-Dinitrotoluene	ND		9.3	1.3	ug/L		07/03/15 09:27	07/13/15 16:51	1
Di-n-octyl phthalate	ND		9.3	1.9	ug/L		07/03/15 09:27	07/13/15 16:51	1
Fluoranthene	ND		1.9	0.20	ug/L		07/03/15 09:27	07/13/15 16:51	1
Fluorene	ND		1.9	0.22	ug/L		07/03/15 09:27	07/13/15 16:51	1
Hexachlorobenzene	ND		9.3	0.56	ug/L		07/03/15 09:27	07/13/15 16:51	1
Hexachlorobutadiene	ND		9.3	0.87	ug/L		07/03/15 09:27	07/13/15 16:51	1
Hexachlorocyclopentadiene	ND		9.3	1.3	ug/L		07/03/15 09:27	07/13/15 16:51	1
Hexachloroethane	ND		9.3	1.3	ug/L		07/03/15 09:27	07/13/15 16:51	1
Indeno[1,2,3-cd]pyrene	ND		1.9	0.40	ug/L		07/03/15 09:27	07/13/15 16:51	1
Isophorone	ND		9.3	0.68	ug/L		07/03/15 09:27	07/13/15 16:51	1
2-Methylnaphthalene	ND		1.9	0.18	ug/L		07/03/15 09:27	07/13/15 16:51	1
2-Methylphenol	ND		9.3	1.7	ug/L		07/03/15 09:27	07/13/15 16:51	1
4-Methylphenol	ND		9.3	1.9	ug/L		07/03/15 09:27	07/13/15 16:51	1
Naphthalene	ND		1.9	0.21	ug/L		07/03/15 09:27	07/13/15 16:51	1
2-Nitroaniline	ND		46	6.2	ug/L		07/03/15 09:27	07/13/15 16:51	1

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

Client Sample ID: WG-9954-062615-SG-031
Date Collected: 06/26/15 12:45
Date Received: 06/27/15 09:30

Lab Sample ID: 180-45493-9
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		46	7.5	ug/L		07/03/15 09:27	07/13/15 16:51	1
4-Nitroaniline	ND		46	7.2	ug/L		07/03/15 09:27	07/13/15 16:51	1
Nitrobenzene	ND		19	1.4	ug/L		07/03/15 09:27	07/13/15 16:51	1
2-Nitrophenol	ND		9.3	1.0	ug/L		07/03/15 09:27	07/13/15 16:51	1
4-Nitrophenol	ND		46	7.4	ug/L		07/03/15 09:27	07/13/15 16:51	1
N-Nitrosodiphenylamine	ND		9.3	1.1	ug/L		07/03/15 09:27	07/13/15 16:51	1
N-Nitrosodi-n-propylamine	ND		9.3	0.46	ug/L		07/03/15 09:27	07/13/15 16:51	1
Pentachlorophenol	ND		9.3	4.6	ug/L		07/03/15 09:27	07/13/15 16:51	1
Phenanthrene	ND		1.9	0.38	ug/L		07/03/15 09:27	07/13/15 16:51	1
Phenol	ND		9.3	0.51	ug/L		07/03/15 09:27	07/13/15 16:51	1
Pyrene	ND		1.9	0.21	ug/L		07/03/15 09:27	07/13/15 16:51	1
1,2,4-Trichlorobenzene	ND		9.3	0.79	ug/L		07/03/15 09:27	07/13/15 16:51	1
2,4,5-Trichlorophenol	ND		9.3	1.1	ug/L		07/03/15 09:27	07/13/15 16:51	1
2,4,6-Trichlorophenol	ND		9.3	2.8	ug/L		07/03/15 09:27	07/13/15 16:51	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*				*07/03/15 09:27*	*07/13/15 16:51*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*81*		*28 - 106*	*07/03/15 09:27*	*07/13/15 16:51*	*1*
2-Fluorophenol	*72*		*20 - 108*	*07/03/15 09:27*	*07/13/15 16:51*	*1*
2,4,6-Tribromophenol	*7*	*X*	*25 - 118*	*07/03/15 09:27*	*07/13/15 16:51*	*1*
Nitrobenzene-d5	*85*		*27 - 110*	*07/03/15 09:27*	*07/13/15 16:51*	*1*
Phenol-d5	*75*		*23 - 111*	*07/03/15 09:27*	*07/13/15 16:51*	*1*
Terphenyl-d14	*80*		*20 - 109*	*07/03/15 09:27*	*07/13/15 16:51*	*1*

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

Client Sample ID: WG-9954-062615-SG-034
Date Collected: 06/26/15 14:30
Date Received: 06/27/15 09:30

Lab Sample ID: 180-45493-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND	H	1.9	0.27	ug/L		07/14/15 11:27	07/16/15 22:57	1
Acenaphthylene	ND	H	1.9	0.20	ug/L		07/14/15 11:27	07/16/15 22:57	1
Anthracene	ND	H	1.9	0.18	ug/L		07/14/15 11:27	07/16/15 22:57	1
Benzo[a]anthracene	ND	H	1.9	0.34	ug/L		07/14/15 11:27	07/16/15 22:57	1
Benzo[b]fluoranthene	ND	H	1.9	0.45	ug/L		07/14/15 11:27	07/16/15 22:57	1
Benzo[k]fluoranthene	ND	H	1.9	0.28	ug/L		07/14/15 11:27	07/16/15 22:57	1
Benzoic acid	ND	H	46	15	ug/L		07/14/15 11:27	07/16/15 22:57	1
Benzo[g,h,i]perylene	ND	H	1.9	0.27	ug/L		07/14/15 11:27	07/16/15 22:57	1
Benzo[a]pyrene	ND	H	1.9	0.26	ug/L		07/14/15 11:27	07/16/15 22:57	1
Benzyl alcohol	ND	H	9.3	1.8	ug/L		07/14/15 11:27	07/16/15 22:57	1
Bis(2-chloroethoxy)methane	ND	H	9.3	1.2	ug/L		07/14/15 11:27	07/16/15 22:57	1
Bis(2-chloroethyl)ether	ND	H	9.3	0.29	ug/L		07/14/15 11:27	07/16/15 22:57	1
Bis(2-ethylhexyl) phthalate	ND	H	19	4.1	ug/L		07/14/15 11:27	07/16/15 22:57	1
4-Bromophenyl phenyl ether	ND	H	9.3	1.1	ug/L		07/14/15 11:27	07/16/15 22:57	1
Butyl benzyl phthalate	ND	H	9.3	2.0	ug/L		07/14/15 11:27	07/16/15 22:57	1
4-Chloroaniline	ND	H	9.3	2.7	ug/L		07/14/15 11:27	07/16/15 22:57	1
4-Chloro-3-methylphenol	ND	H	9.3	1.6	ug/L		07/14/15 11:27	07/16/15 22:57	1
2-Chloronaphthalene	ND	H	1.9	0.28	ug/L		07/14/15 11:27	07/16/15 22:57	1
2-Chlorophenol	ND	H	9.3	2.1	ug/L		07/14/15 11:27	07/16/15 22:57	1
4-Chlorophenyl phenyl ether	ND	H	9.3	0.74	ug/L		07/14/15 11:27	07/16/15 22:57	1
Chrysene	ND	H	1.9	0.29	ug/L		07/14/15 11:27	07/16/15 22:57	1
Dibenz(a,h)anthracene	ND	H	1.9	0.25	ug/L		07/14/15 11:27	07/16/15 22:57	1
Dibenzofuran	ND	H	9.3	0.89	ug/L		07/14/15 11:27	07/16/15 22:57	1
Di-n-butyl phthalate	ND	H	9.3	2.2	ug/L		07/14/15 11:27	07/16/15 22:57	1
1,2-Dichlorobenzene	ND	H	9.3	1.0	ug/L		07/14/15 11:27	07/16/15 22:57	1
1,3-Dichlorobenzene	ND	H	9.3	0.70	ug/L		07/14/15 11:27	07/16/15 22:57	1
3,3'-Dichlorobenzidine	ND	H	9.3	1.4	ug/L		07/14/15 11:27	07/16/15 22:57	1
2,4-Dichlorophenol	ND	H	9.3	0.62	ug/L		07/14/15 11:27	07/16/15 22:57	1
Diethyl phthalate	ND	H	9.3	2.7	ug/L		07/14/15 11:27	07/16/15 22:57	1
2,4-Dimethylphenol	ND	H	9.3	1.6	ug/L		07/14/15 11:27	07/16/15 22:57	1
Dimethyl phthalate	ND	H	9.3	1.7	ug/L		07/14/15 11:27	07/16/15 22:57	1
4,6-Dinitro-2-methylphenol	ND	H	46	14	ug/L		07/14/15 11:27	07/16/15 22:57	1
2,4-Dinitrophenol	ND	H	46	23	ug/L		07/14/15 11:27	07/16/15 22:57	1
2,4-Dinitrotoluene	ND	H	9.3	2.0	ug/L		07/14/15 11:27	07/16/15 22:57	1
2,6-Dinitrotoluene	ND	H	9.3	1.3	ug/L		07/14/15 11:27	07/16/15 22:57	1
Di-n-octyl phthalate	ND	H	9.3	1.9	ug/L		07/14/15 11:27	07/16/15 22:57	1
Fluoranthene	ND	H	1.9	0.20	ug/L		07/14/15 11:27	07/16/15 22:57	1
Fluorene	ND	H	1.9	0.22	ug/L		07/14/15 11:27	07/16/15 22:57	1
Hexachlorobenzene	ND	H	9.3	0.56	ug/L		07/14/15 11:27	07/16/15 22:57	1
Hexachlorobutadiene	ND	H	9.3	0.87	ug/L		07/14/15 11:27	07/16/15 22:57	1
Hexachlorocyclopentadiene	ND	H	9.3	1.3	ug/L		07/14/15 11:27	07/16/15 22:57	1
Hexachloroethane	ND	H	9.3	1.3	ug/L		07/14/15 11:27	07/16/15 22:57	1
Indeno[1,2,3-cd]pyrene	ND	H	1.9	0.40	ug/L		07/14/15 11:27	07/16/15 22:57	1
Isophorone	ND	H	9.3	0.68	ug/L		07/14/15 11:27	07/16/15 22:57	1
2-Methylnaphthalene	ND	H	1.9	0.18	ug/L		07/14/15 11:27	07/16/15 22:57	1
2-Methylphenol	ND	H	9.3	1.7	ug/L		07/14/15 11:27	07/16/15 22:57	1
4-Methylphenol	ND	H	9.3	1.9	ug/L		07/14/15 11:27	07/16/15 22:57	1
Naphthalene	ND	H	1.9	0.21	ug/L		07/14/15 11:27	07/16/15 22:57	1
2-Nitroaniline	ND	H	46	6.2	ug/L		07/14/15 11:27	07/16/15 22:57	1

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

Client Sample ID: WG-9954-062615-SG-034
Date Collected: 06/26/15 14:30
Date Received: 06/27/15 09:30

Lab Sample ID: 180-45493-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND	H	46	7.5	ug/L		07/14/15 11:27	07/16/15 22:57	1
4-Nitroaniline	ND	H	46	7.2	ug/L		07/14/15 11:27	07/16/15 22:57	1
Nitrobenzene	ND	H	19	1.4	ug/L		07/14/15 11:27	07/16/15 22:57	1
2-Nitrophenol	ND	H	9.3	1.0	ug/L		07/14/15 11:27	07/16/15 22:57	1
4-Nitrophenol	ND	H	46	7.4	ug/L		07/14/15 11:27	07/16/15 22:57	1
N-Nitrosodiphenylamine	ND	H	9.3	1.1	ug/L		07/14/15 11:27	07/16/15 22:57	1
N-Nitrosodi-n-propylamine	ND	H	9.3	0.46	ug/L		07/14/15 11:27	07/16/15 22:57	1
Pentachlorophenol	ND	H	9.3	4.6	ug/L		07/14/15 11:27	07/16/15 22:57	1
Phenanthrene	ND	H	1.9	0.38	ug/L		07/14/15 11:27	07/16/15 22:57	1
Phenol	ND	H	9.3	0.51	ug/L		07/14/15 11:27	07/16/15 22:57	1
Pyrene	ND	H	1.9	0.21	ug/L		07/14/15 11:27	07/16/15 22:57	1
1,2,4-Trichlorobenzene	ND	H	9.3	0.79	ug/L		07/14/15 11:27	07/16/15 22:57	1
2,4,5-Trichlorophenol	ND	H	9.3	1.1	ug/L		07/14/15 11:27	07/16/15 22:57	1
2,4,6-Trichlorophenol	ND	H	9.3	2.8	ug/L		07/14/15 11:27	07/16/15 22:57	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*4.4*	*T H J*	*ug/L*		*10.99*		*07/14/15 11:27*	*07/16/15 22:57*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*43*		*28 - 106*	*07/14/15 11:27*	*07/16/15 22:57*	*1*
2-Fluorophenol	*38*		*20 - 108*	*07/14/15 11:27*	*07/16/15 22:57*	*1*
2,4,6-Tribromophenol	*41*		*25 - 118*	*07/14/15 11:27*	*07/16/15 22:57*	*1*
Nitrobenzene-d5	*46*		*27 - 110*	*07/14/15 11:27*	*07/16/15 22:57*	*1*
Phenol-d5	*37*		*23 - 111*	*07/14/15 11:27*	*07/16/15 22:57*	*1*
Terphenyl-d14	*31*		*20 - 109*	*07/14/15 11:27*	*07/16/15 22:57*	*1*

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

Client Sample ID: WG-9954-062615-SG-029
Date Collected: 06/26/15 10:50
Date Received: 06/27/15 09:30

Lab Sample ID: 180-45493-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND	H	1.9	0.27	ug/L		07/14/15 11:27	07/17/15 11:57	1
Acenaphthylene	ND	H	1.9	0.20	ug/L		07/14/15 11:27	07/17/15 11:57	1
Anthracene	ND	H	1.9	0.18	ug/L		07/14/15 11:27	07/17/15 11:57	1
Benzo[a]anthracene	ND	H	1.9	0.34	ug/L		07/14/15 11:27	07/17/15 11:57	1
Benzo[b]fluoranthene	ND	H	1.9	0.45	ug/L		07/14/15 11:27	07/17/15 11:57	1
Benzo[k]fluoranthene	ND	H	1.9	0.28	ug/L		07/14/15 11:27	07/17/15 11:57	1
Benzoic acid	ND	H	46	15	ug/L		07/14/15 11:27	07/17/15 11:57	1
Benzo[g,h,i]perylene	ND	H	1.9	0.27	ug/L		07/14/15 11:27	07/17/15 11:57	1
Benzo[a]pyrene	ND	H	1.9	0.26	ug/L		07/14/15 11:27	07/17/15 11:57	1
Benzyl alcohol	ND	H	9.3	1.8	ug/L		07/14/15 11:27	07/17/15 11:57	1
Bis(2-chloroethoxy)methane	ND	H	9.3	1.2	ug/L		07/14/15 11:27	07/17/15 11:57	1
Bis(2-chloroethyl)ether	ND	H	9.3	0.29	ug/L		07/14/15 11:27	07/17/15 11:57	1
Bis(2-ethylhexyl) phthalate	ND	H	19	4.1	ug/L		07/14/15 11:27	07/17/15 11:57	1
4-Bromophenyl phenyl ether	ND	H	9.3	1.1	ug/L		07/14/15 11:27	07/17/15 11:57	1
Butyl benzyl phthalate	ND	H	9.3	2.0	ug/L		07/14/15 11:27	07/17/15 11:57	1
4-Chloroaniline	ND	H	9.3	2.7	ug/L		07/14/15 11:27	07/17/15 11:57	1
4-Chloro-3-methylphenol	ND	H	9.3	1.6	ug/L		07/14/15 11:27	07/17/15 11:57	1
2-Chloronaphthalene	ND	H	1.9	0.28	ug/L		07/14/15 11:27	07/17/15 11:57	1
2-Chlorophenol	ND	H	9.3	2.1	ug/L		07/14/15 11:27	07/17/15 11:57	1
4-Chlorophenyl phenyl ether	ND	H	9.3	0.74	ug/L		07/14/15 11:27	07/17/15 11:57	1
Chrysene	ND	H	1.9	0.29	ug/L		07/14/15 11:27	07/17/15 11:57	1
Dibenz(a,h)anthracene	ND	H	1.9	0.25	ug/L		07/14/15 11:27	07/17/15 11:57	1
Dibenzofuran	ND	H	9.3	0.89	ug/L		07/14/15 11:27	07/17/15 11:57	1
Di-n-butyl phthalate	ND	H	9.3	2.2	ug/L		07/14/15 11:27	07/17/15 11:57	1
1,2-Dichlorobenzene	ND	H	9.3	1.0	ug/L		07/14/15 11:27	07/17/15 11:57	1
1,3-Dichlorobenzene	ND	H	9.3	0.70	ug/L		07/14/15 11:27	07/17/15 11:57	1
3,3'-Dichlorobenzidine	ND	H	9.3	1.4	ug/L		07/14/15 11:27	07/17/15 11:57	1
2,4-Dichlorophenol	ND	H	9.3	0.62	ug/L		07/14/15 11:27	07/17/15 11:57	1
Diethyl phthalate	ND	H	9.3	2.7	ug/L		07/14/15 11:27	07/17/15 11:57	1
2,4-Dimethylphenol	ND	H	9.3	1.6	ug/L		07/14/15 11:27	07/17/15 11:57	1
Dimethyl phthalate	ND	H	9.3	1.7	ug/L		07/14/15 11:27	07/17/15 11:57	1
4,6-Dinitro-2-methylphenol	ND	H	46	14	ug/L		07/14/15 11:27	07/17/15 11:57	1
2,4-Dinitrophenol	ND	H	46	23	ug/L		07/14/15 11:27	07/17/15 11:57	1
2,4-Dinitrotoluene	ND	H	9.3	2.0	ug/L		07/14/15 11:27	07/17/15 11:57	1
2,6-Dinitrotoluene	ND	H	9.3	1.3	ug/L		07/14/15 11:27	07/17/15 11:57	1
Di-n-octyl phthalate	ND	H	9.3	1.9	ug/L		07/14/15 11:27	07/17/15 11:57	1
Fluoranthene	ND	H	1.9	0.20	ug/L		07/14/15 11:27	07/17/15 11:57	1
Fluorene	ND	H	1.9	0.22	ug/L		07/14/15 11:27	07/17/15 11:57	1
Hexachlorobenzene	**5.1**	**J H**	9.3	0.56	ug/L		07/14/15 11:27	07/17/15 11:57	1
Hexachlorobutadiene	ND	H	9.3	0.87	ug/L		07/14/15 11:27	07/17/15 11:57	1
Hexachlorocyclopentadiene	ND	H	9.3	1.3	ug/L		07/14/15 11:27	07/17/15 11:57	1
Hexachloroethane	ND	H	9.3	1.3	ug/L		07/14/15 11:27	07/17/15 11:57	1
Indeno[1,2,3-cd]pyrene	ND	H	1.9	0.40	ug/L		07/14/15 11:27	07/17/15 11:57	1
Isophorone	ND	H	9.3	0.68	ug/L		07/14/15 11:27	07/17/15 11:57	1
2-Methylnaphthalene	ND	H	1.9	0.18	ug/L		07/14/15 11:27	07/17/15 11:57	1
2-Methylphenol	ND	H	9.3	1.7	ug/L		07/14/15 11:27	07/17/15 11:57	1
4-Methylphenol	ND	H	9.3	1.9	ug/L		07/14/15 11:27	07/17/15 11:57	1
Naphthalene	ND	H	1.9	0.21	ug/L		07/14/15 11:27	07/17/15 11:57	1
2-Nitroaniline	ND	H	46	6.2	ug/L		07/14/15 11:27	07/17/15 11:57	1

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

Client Sample ID: WG-9954-062615-SG-029
Date Collected: 06/26/15 10:50
Date Received: 06/27/15 09:30

Lab Sample ID: 180-45493-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND	H	46	7.5	ug/L		07/14/15 11:27	07/17/15 11:57	1
4-Nitroaniline	ND	H	46	7.2	ug/L		07/14/15 11:27	07/17/15 11:57	1
Nitrobenzene	ND	H	19	1.4	ug/L		07/14/15 11:27	07/17/15 11:57	1
2-Nitrophenol	ND	H	9.3	1.0	ug/L		07/14/15 11:27	07/17/15 11:57	1
4-Nitrophenol	ND	H	46	7.4	ug/L		07/14/15 11:27	07/17/15 11:57	1
N-Nitrosodiphenylamine	ND	H	9.3	1.1	ug/L		07/14/15 11:27	07/17/15 11:57	1
N-Nitrosodi-n-propylamine	ND	H	9.3	0.46	ug/L		07/14/15 11:27	07/17/15 11:57	1
Pentachlorophenol	ND	H	9.3	4.6	ug/L		07/14/15 11:27	07/17/15 11:57	1
Phenanthrene	ND	H	1.9	0.38	ug/L		07/14/15 11:27	07/17/15 11:57	1
Phenol	ND	H	9.3	0.51	ug/L		07/14/15 11:27	07/17/15 11:57	1
Pyrene	ND	H	1.9	0.21	ug/L		07/14/15 11:27	07/17/15 11:57	1
1,2,4-Trichlorobenzene	ND	H	9.3	0.79	ug/L		07/14/15 11:27	07/17/15 11:57	1
2,4,5-Trichlorophenol	ND	H	9.3	1.1	ug/L		07/14/15 11:27	07/17/15 11:57	1
2,4,6-Trichlorophenol	ND	H	9.3	2.8	ug/L		07/14/15 11:27	07/17/15 11:57	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*5.6*	*T H J*	*ug/L*		*9.92*		*07/14/15 11:27*	*07/17/15 11:57*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*54*		*28 - 106*	*07/14/15 11:27*	*07/17/15 11:57*	*1*
2-Fluorophenol	*48*		*20 - 108*	*07/14/15 11:27*	*07/17/15 11:57*	*1*
2,4,6-Tribromophenol	*51*		*25 - 118*	*07/14/15 11:27*	*07/17/15 11:57*	*1*
Nitrobenzene-d5	*55*		*27 - 110*	*07/14/15 11:27*	*07/17/15 11:57*	*1*
Phenol-d5	*53*		*23 - 111*	*07/14/15 11:27*	*07/17/15 11:57*	*1*
Terphenyl-d14	*66*		*20 - 109*	*07/14/15 11:27*	*07/17/15 11:57*	*1*

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

Client Sample ID: WG-9954-062615-SG-028
Date Collected: 06/26/15 09:45
Date Received: 06/27/15 09:30

Lab Sample ID: 180-45493-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND	H	1.9	0.27	ug/L		07/14/15 11:27	07/17/15 18:26	1
Acenaphthylene	ND	H	1.9	0.20	ug/L		07/14/15 11:27	07/17/15 18:26	1
Anthracene	ND	H	1.9	0.18	ug/L		07/14/15 11:27	07/17/15 18:26	1
Benzo[a]anthracene	ND	H	1.9	0.34	ug/L		07/14/15 11:27	07/17/15 18:26	1
Benzo[b]fluoranthene	ND	H	1.9	0.45	ug/L		07/14/15 11:27	07/17/15 18:26	1
Benzo[k]fluoranthene	ND	H	1.9	0.28	ug/L		07/14/15 11:27	07/17/15 18:26	1
Benzoic acid	ND	H	46	15	ug/L		07/14/15 11:27	07/17/15 18:26	1
Benzo[g,h,i]perylene	ND	H	1.9	0.27	ug/L		07/14/15 11:27	07/17/15 18:26	1
Benzo[a]pyrene	ND	H	1.9	0.26	ug/L		07/14/15 11:27	07/17/15 18:26	1
Benzyl alcohol	ND	H	9.3	1.8	ug/L		07/14/15 11:27	07/17/15 18:26	1
Bis(2-chloroethoxy)methane	ND	H	9.3	1.2	ug/L		07/14/15 11:27	07/17/15 18:26	1
Bis(2-chloroethyl)ether	ND	H	9.3	0.29	ug/L		07/14/15 11:27	07/17/15 18:26	1
Bis(2-ethylhexyl) phthalate	ND	H	19	4.1	ug/L		07/14/15 11:27	07/17/15 18:26	1
4-Bromophenyl phenyl ether	ND	H	9.3	1.1	ug/L		07/14/15 11:27	07/17/15 18:26	1
Butyl benzyl phthalate	ND	H	9.3	2.0	ug/L		07/14/15 11:27	07/17/15 18:26	1
4-Chloroaniline	ND	H	9.3	2.7	ug/L		07/14/15 11:27	07/17/15 18:26	1
4-Chloro-3-methylphenol	ND	H	9.3	1.6	ug/L		07/14/15 11:27	07/17/15 18:26	1
2-Chloronaphthalene	ND	H	1.9	0.28	ug/L		07/14/15 11:27	07/17/15 18:26	1
2-Chlorophenol	ND	H	9.3	2.1	ug/L		07/14/15 11:27	07/17/15 18:26	1
4-Chlorophenyl phenyl ether	ND	H	9.3	0.74	ug/L		07/14/15 11:27	07/17/15 18:26	1
Chrysene	ND	H	1.9	0.29	ug/L		07/14/15 11:27	07/17/15 18:26	1
Dibenz(a,h)anthracene	ND	H	1.9	0.25	ug/L		07/14/15 11:27	07/17/15 18:26	1
Dibenzofuran	ND	H	9.3	0.89	ug/L		07/14/15 11:27	07/17/15 18:26	1
Di-n-butyl phthalate	ND	H	9.3	2.2	ug/L		07/14/15 11:27	07/17/15 18:26	1
1,2-Dichlorobenzene	ND	H	9.3	1.0	ug/L		07/14/15 11:27	07/17/15 18:26	1
1,3-Dichlorobenzene	ND	H	9.3	0.70	ug/L		07/14/15 11:27	07/17/15 18:26	1
3,3'-Dichlorobenzidine	ND	H	9.3	1.4	ug/L		07/14/15 11:27	07/17/15 18:26	1
2,4-Dichlorophenol	ND	H	9.3	0.62	ug/L		07/14/15 11:27	07/17/15 18:26	1
Diethyl phthalate	ND	H	9.3	2.7	ug/L		07/14/15 11:27	07/17/15 18:26	1
2,4-Dimethylphenol	ND	H	9.3	1.6	ug/L		07/14/15 11:27	07/17/15 18:26	1
Dimethyl phthalate	ND	H	9.3	1.7	ug/L		07/14/15 11:27	07/17/15 18:26	1
4,6-Dinitro-2-methylphenol	ND	H	46	14	ug/L		07/14/15 11:27	07/17/15 18:26	1
2,4-Dinitrophenol	ND	H	46	23	ug/L		07/14/15 11:27	07/17/15 18:26	1
2,4-Dinitrotoluene	ND	H	9.3	2.0	ug/L		07/14/15 11:27	07/17/15 18:26	1
2,6-Dinitrotoluene	ND	H	9.3	1.3	ug/L		07/14/15 11:27	07/17/15 18:26	1
Di-n-octyl phthalate	ND	H	9.3	1.9	ug/L		07/14/15 11:27	07/17/15 18:26	1
Fluoranthene	ND	H	1.9	0.20	ug/L		07/14/15 11:27	07/17/15 18:26	1
Fluorene	ND	H	1.9	0.22	ug/L		07/14/15 11:27	07/17/15 18:26	1
Hexachlorobenzene	ND	H	9.3	0.56	ug/L		07/14/15 11:27	07/17/15 18:26	1
Hexachlorobutadiene	ND	H	9.3	0.87	ug/L		07/14/15 11:27	07/17/15 18:26	1
Hexachlorocyclopentadiene	ND	H	9.3	1.3	ug/L		07/14/15 11:27	07/17/15 18:26	1
Hexachloroethane	ND	H	9.3	1.3	ug/L		07/14/15 11:27	07/17/15 18:26	1
Indeno[1,2,3-cd]pyrene	ND	H	1.9	0.40	ug/L		07/14/15 11:27	07/17/15 18:26	1
Isophorone	ND	H	9.3	0.68	ug/L		07/14/15 11:27	07/17/15 18:26	1
2-Methylnaphthalene	ND	H	1.9	0.18	ug/L		07/14/15 11:27	07/17/15 18:26	1
2-Methylphenol	ND	H	9.3	1.7	ug/L		07/14/15 11:27	07/17/15 18:26	1
4-Methylphenol	ND	H	9.3	1.9	ug/L		07/14/15 11:27	07/17/15 18:26	1
Naphthalene	ND	H	1.9	0.21	ug/L		07/14/15 11:27	07/17/15 18:26	1
2-Nitroaniline	ND	H	46	6.2	ug/L		07/14/15 11:27	07/17/15 18:26	1

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

Client Sample ID: WG-9954-062615-SG-028
Date Collected: 06/26/15 09:45
Date Received: 06/27/15 09:30

Lab Sample ID: 180-45493-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND	H	46	7.5	ug/L		07/14/15 11:27	07/17/15 18:26	1
4-Nitroaniline	ND	H	46	7.2	ug/L		07/14/15 11:27	07/17/15 18:26	1
Nitrobenzene	ND	H	19	1.4	ug/L		07/14/15 11:27	07/17/15 18:26	1
2-Nitrophenol	ND	H	9.3	1.0	ug/L		07/14/15 11:27	07/17/15 18:26	1
4-Nitrophenol	ND	H	46	7.4	ug/L		07/14/15 11:27	07/17/15 18:26	1
N-Nitrosodiphenylamine	ND	H	9.3	1.1	ug/L		07/14/15 11:27	07/17/15 18:26	1
N-Nitrosodi-n-propylamine	ND	H	9.3	0.46	ug/L		07/14/15 11:27	07/17/15 18:26	1
Pentachlorophenol	ND	H	9.3	4.6	ug/L		07/14/15 11:27	07/17/15 18:26	1
Phenanthrene	ND	H	1.9	0.38	ug/L		07/14/15 11:27	07/17/15 18:26	1
Phenol	ND	H	9.3	0.51	ug/L		07/14/15 11:27	07/17/15 18:26	1
Pyrene	ND	H	1.9	0.21	ug/L		07/14/15 11:27	07/17/15 18:26	1
1,2,4-Trichlorobenzene	ND	H	9.3	0.79	ug/L		07/14/15 11:27	07/17/15 18:26	1
2,4,5-Trichlorophenol	ND	H	9.3	1.1	ug/L		07/14/15 11:27	07/17/15 18:26	1
2,4,6-Trichlorophenol	ND	H	9.3	2.8	ug/L		07/14/15 11:27	07/17/15 18:26	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*	*H*	*ug/L*				*07/14/15 11:27*	*07/17/15 18:26*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*44*		*28 - 106*	*07/14/15 11:27*	*07/17/15 18:26*	*1*
2-Fluorophenol	*43*		*20 - 108*	*07/14/15 11:27*	*07/17/15 18:26*	*1*
2,4,6-Tribromophenol	*4*	*X*	*25 - 118*	*07/14/15 11:27*	*07/17/15 18:26*	*1*
Nitrobenzene-d5	*49*		*27 - 110*	*07/14/15 11:27*	*07/17/15 18:26*	*1*
Phenol-d5	*44*		*23 - 111*	*07/14/15 11:27*	*07/17/15 18:26*	*1*
Terphenyl-d14	*35*		*20 - 109*	*07/14/15 11:27*	*07/17/15 18:26*	*1*

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

Client Sample ID: WG-9954-062615-SG-030
Date Collected: 06/26/15 12:45
Date Received: 06/27/15 09:30

Lab Sample ID: 180-45493-7
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND	H	1.9	0.27	ug/L		07/14/15 11:27	07/18/15 15:48	1
Acenaphthylene	ND	H	1.9	0.20	ug/L		07/14/15 11:27	07/18/15 15:48	1
Anthracene	ND	H	1.9	0.18	ug/L		07/14/15 11:27	07/18/15 15:48	1
Benzo[a]anthracene	ND	H	1.9	0.34	ug/L		07/14/15 11:27	07/18/15 15:48	1
Benzo[b]fluoranthene	ND	H	1.9	0.45	ug/L		07/14/15 11:27	07/18/15 15:48	1
Benzo[k]fluoranthene	ND	H	1.9	0.28	ug/L		07/14/15 11:27	07/18/15 15:48	1
Benzoic acid	ND	H	46	15	ug/L		07/14/15 11:27	07/18/15 15:48	1
Benzo[g,h,i]perylene	ND	H	1.9	0.27	ug/L		07/14/15 11:27	07/18/15 15:48	1
Benzo[a]pyrene	ND	H	1.9	0.26	ug/L		07/14/15 11:27	07/18/15 15:48	1
Benzyl alcohol	ND	H	9.3	1.8	ug/L		07/14/15 11:27	07/18/15 15:48	1
Bis(2-chloroethoxy)methane	ND	H	9.3	1.2	ug/L		07/14/15 11:27	07/18/15 15:48	1
Bis(2-chloroethyl)ether	ND	H	9.3	0.29	ug/L		07/14/15 11:27	07/18/15 15:48	1
Bis(2-ethylhexyl) phthalate	ND	H	19	4.1	ug/L		07/14/15 11:27	07/18/15 15:48	1
4-Bromophenyl phenyl ether	ND	H	9.3	1.1	ug/L		07/14/15 11:27	07/18/15 15:48	1
Butyl benzyl phthalate	ND	H	9.3	2.0	ug/L		07/14/15 11:27	07/18/15 15:48	1
4-Chloroaniline	ND	H	9.3	2.7	ug/L		07/14/15 11:27	07/18/15 15:48	1
4-Chloro-3-methylphenol	ND	H	9.3	1.6	ug/L		07/14/15 11:27	07/18/15 15:48	1
2-Chloronaphthalene	ND	H	1.9	0.28	ug/L		07/14/15 11:27	07/18/15 15:48	1
2-Chlorophenol	ND	H	9.3	2.1	ug/L		07/14/15 11:27	07/18/15 15:48	1
4-Chlorophenyl phenyl ether	ND	H	9.3	0.74	ug/L		07/14/15 11:27	07/18/15 15:48	1
Chrysene	ND	H	1.9	0.29	ug/L		07/14/15 11:27	07/18/15 15:48	1
Dibenz(a,h)anthracene	ND	H	1.9	0.25	ug/L		07/14/15 11:27	07/18/15 15:48	1
Dibenzofuran	ND	H	9.3	0.89	ug/L		07/14/15 11:27	07/18/15 15:48	1
Di-n-butyl phthalate	ND	H	9.3	2.2	ug/L		07/14/15 11:27	07/18/15 15:48	1
1,2-Dichlorobenzene	ND	H	9.3	1.0	ug/L		07/14/15 11:27	07/18/15 15:48	1
1,3-Dichlorobenzene	ND	H	9.3	0.70	ug/L		07/14/15 11:27	07/18/15 15:48	1
3,3'-Dichlorobenzidine	ND	H	9.3	1.4	ug/L		07/14/15 11:27	07/18/15 15:48	1
2,4-Dichlorophenol	ND	H	9.3	0.62	ug/L		07/14/15 11:27	07/18/15 15:48	1
Diethyl phthalate	ND	H	9.3	2.7	ug/L		07/14/15 11:27	07/18/15 15:48	1
2,4-Dimethylphenol	ND	H	9.3	1.6	ug/L		07/14/15 11:27	07/18/15 15:48	1
Dimethyl phthalate	ND	H	9.3	1.7	ug/L		07/14/15 11:27	07/18/15 15:48	1
4,6-Dinitro-2-methylphenol	ND	H	46	14	ug/L		07/14/15 11:27	07/18/15 15:48	1
2,4-Dinitrophenol	ND	H	46	23	ug/L		07/14/15 11:27	07/18/15 15:48	1
2,4-Dinitrotoluene	ND	H	9.3	2.0	ug/L		07/14/15 11:27	07/18/15 15:48	1
2,6-Dinitrotoluene	ND	H	9.3	1.3	ug/L		07/14/15 11:27	07/18/15 15:48	1
Di-n-octyl phthalate	ND	H	9.3	1.9	ug/L		07/14/15 11:27	07/18/15 15:48	1
Fluoranthene	ND	H	1.9	0.20	ug/L		07/14/15 11:27	07/18/15 15:48	1
Fluorene	ND	H	1.9	0.22	ug/L		07/14/15 11:27	07/18/15 15:48	1
Hexachlorobenzene	ND	H	9.3	0.56	ug/L		07/14/15 11:27	07/18/15 15:48	1
Hexachlorobutadiene	ND	H	9.3	0.87	ug/L		07/14/15 11:27	07/18/15 15:48	1
Hexachlorocyclopentadiene	ND	H	9.3	1.3	ug/L		07/14/15 11:27	07/18/15 15:48	1
Hexachloroethane	ND	H	9.3	1.3	ug/L		07/14/15 11:27	07/18/15 15:48	1
Indeno[1,2,3-cd]pyrene	ND	H	1.9	0.40	ug/L		07/14/15 11:27	07/18/15 15:48	1
Isophorone	ND	H	9.3	0.68	ug/L		07/14/15 11:27	07/18/15 15:48	1
2-Methylnaphthalene	ND	H	1.9	0.18	ug/L		07/14/15 11:27	07/18/15 15:48	1
2-Methylphenol	ND	H	9.3	1.7	ug/L		07/14/15 11:27	07/18/15 15:48	1
4-Methylphenol	ND	H	9.3	1.9	ug/L		07/14/15 11:27	07/18/15 15:48	1
Naphthalene	ND	H	1.9	0.21	ug/L		07/14/15 11:27	07/18/15 15:48	1
2-Nitroaniline	ND	H	46	6.2	ug/L		07/14/15 11:27	07/18/15 15:48	1

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

Client Sample ID: WG-9954-062615-SG-030
Date Collected: 06/26/15 12:45
Date Received: 06/27/15 09:30

Lab Sample ID: 180-45493-7
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND	H	46	7.5	ug/L		07/14/15 11:27	07/18/15 15:48	1
4-Nitroaniline	ND	H	46	7.2	ug/L		07/14/15 11:27	07/18/15 15:48	1
Nitrobenzene	ND	H	19	1.4	ug/L		07/14/15 11:27	07/18/15 15:48	1
2-Nitrophenol	ND	H	9.3	1.0	ug/L		07/14/15 11:27	07/18/15 15:48	1
4-Nitrophenol	ND	H	46	7.4	ug/L		07/14/15 11:27	07/18/15 15:48	1
N-Nitrosodiphenylamine	ND	H	9.3	1.1	ug/L		07/14/15 11:27	07/18/15 15:48	1
N-Nitrosodi-n-propylamine	ND	H	9.3	0.46	ug/L		07/14/15 11:27	07/18/15 15:48	1
Pentachlorophenol	ND	H	9.3	4.6	ug/L		07/14/15 11:27	07/18/15 15:48	1
Phenanthrene	ND	H	1.9	0.38	ug/L		07/14/15 11:27	07/18/15 15:48	1
Phenol	ND	H	9.3	0.51	ug/L		07/14/15 11:27	07/18/15 15:48	1
Pyrene	ND	H	1.9	0.21	ug/L		07/14/15 11:27	07/18/15 15:48	1
1,2,4-Trichlorobenzene	ND	H	9.3	0.79	ug/L		07/14/15 11:27	07/18/15 15:48	1
2,4,5-Trichlorophenol	ND	H	9.3	1.1	ug/L		07/14/15 11:27	07/18/15 15:48	1
2,4,6-Trichlorophenol	ND	H	9.3	2.8	ug/L		07/14/15 11:27	07/18/15 15:48	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*	*H*	*ug/L*				*07/14/15 11:27*	*07/18/15 15:48*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*52*		*28 - 106*	*07/14/15 11:27*	*07/18/15 15:48*	*1*
2-Fluorophenol	*46*		*20 - 108*	*07/14/15 11:27*	*07/18/15 15:48*	*1*
2,4,6-Tribromophenol	*39*		*25 - 118*	*07/14/15 11:27*	*07/18/15 15:48*	*1*
Nitrobenzene-d5	*56*		*27 - 110*	*07/14/15 11:27*	*07/18/15 15:48*	*1*
Phenol-d5	*52*		*23 - 111*	*07/14/15 11:27*	*07/18/15 15:48*	*1*
Terphenyl-d14	*76*		*20 - 109*	*07/14/15 11:27*	*07/18/15 15:48*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45493-1

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

Client Sample ID: WG-9954-062615-SG-031
Date Collected: 06/26/15 12:45
Date Received: 06/27/15 09:30

Lab Sample ID: 180-45493-9
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND	H	1.9	0.27	ug/L		07/14/15 11:27	07/18/15 16:17	1
Acenaphthylene	ND	H	1.9	0.20	ug/L		07/14/15 11:27	07/18/15 16:17	1
Anthracene	ND	H	1.9	0.18	ug/L		07/14/15 11:27	07/18/15 16:17	1
Benzo[a]anthracene	ND	H	1.9	0.34	ug/L		07/14/15 11:27	07/18/15 16:17	1
Benzo[b]fluoranthene	ND	H	1.9	0.45	ug/L		07/14/15 11:27	07/18/15 16:17	1
Benzo[k]fluoranthene	ND	H	1.9	0.28	ug/L		07/14/15 11:27	07/18/15 16:17	1
Benzoic acid	ND	H	46	15	ug/L		07/14/15 11:27	07/18/15 16:17	1
Benzo[g,h,i]perylene	ND	H	1.9	0.27	ug/L		07/14/15 11:27	07/18/15 16:17	1
Benzo[a]pyrene	ND	H	1.9	0.26	ug/L		07/14/15 11:27	07/18/15 16:17	1
Benzyl alcohol	ND	H	9.3	1.8	ug/L		07/14/15 11:27	07/18/15 16:17	1
Bis(2-chloroethoxy)methane	ND	H	9.3	1.2	ug/L		07/14/15 11:27	07/18/15 16:17	1
Bis(2-chloroethyl)ether	ND	H	9.3	0.29	ug/L		07/14/15 11:27	07/18/15 16:17	1
Bis(2-ethylhexyl) phthalate	ND	H	19	4.1	ug/L		07/14/15 11:27	07/18/15 16:17	1
4-Bromophenyl phenyl ether	ND	H	9.3	1.1	ug/L		07/14/15 11:27	07/18/15 16:17	1
Butyl benzyl phthalate	ND	H	9.3	2.0	ug/L		07/14/15 11:27	07/18/15 16:17	1
4-Chloroaniline	ND	H	9.3	2.7	ug/L		07/14/15 11:27	07/18/15 16:17	1
4-Chloro-3-methylphenol	ND	H	9.3	1.6	ug/L		07/14/15 11:27	07/18/15 16:17	1
2-Chloronaphthalene	ND	H	1.9	0.28	ug/L		07/14/15 11:27	07/18/15 16:17	1
2-Chlorophenol	ND	H	9.3	2.1	ug/L		07/14/15 11:27	07/18/15 16:17	1
4-Chlorophenyl phenyl ether	ND	H	9.3	0.74	ug/L		07/14/15 11:27	07/18/15 16:17	1
Chrysene	ND	H	1.9	0.29	ug/L		07/14/15 11:27	07/18/15 16:17	1
Dibenz(a,h)anthracene	ND	H	1.9	0.25	ug/L		07/14/15 11:27	07/18/15 16:17	1
Dibenzofuran	ND	H	9.3	0.89	ug/L		07/14/15 11:27	07/18/15 16:17	1
Di-n-butyl phthalate	ND	H	9.3	2.2	ug/L		07/14/15 11:27	07/18/15 16:17	1
1,2-Dichlorobenzene	ND	H	9.3	1.0	ug/L		07/14/15 11:27	07/18/15 16:17	1
1,3-Dichlorobenzene	ND	H	9.3	0.70	ug/L		07/14/15 11:27	07/18/15 16:17	1
3,3'-Dichlorobenzidine	ND	H	9.3	1.4	ug/L		07/14/15 11:27	07/18/15 16:17	1
2,4-Dichlorophenol	ND	H	9.3	0.62	ug/L		07/14/15 11:27	07/18/15 16:17	1
Diethyl phthalate	ND	H	9.3	2.7	ug/L		07/14/15 11:27	07/18/15 16:17	1
2,4-Dimethylphenol	ND	H	9.3	1.6	ug/L		07/14/15 11:27	07/18/15 16:17	1
Dimethyl phthalate	ND	H	9.3	1.7	ug/L		07/14/15 11:27	07/18/15 16:17	1
4,6-Dinitro-2-methylphenol	ND	H	46	14	ug/L		07/14/15 11:27	07/18/15 16:17	1
2,4-Dinitrophenol	ND	H	46	23	ug/L		07/14/15 11:27	07/18/15 16:17	1
2,4-Dinitrotoluene	ND	H	9.3	2.0	ug/L		07/14/15 11:27	07/18/15 16:17	1
2,6-Dinitrotoluene	ND	H	9.3	1.3	ug/L		07/14/15 11:27	07/18/15 16:17	1
Di-n-octyl phthalate	ND	H	9.3	1.9	ug/L		07/14/15 11:27	07/18/15 16:17	1
Fluoranthene	ND	H	1.9	0.20	ug/L		07/14/15 11:27	07/18/15 16:17	1
Fluorene	ND	H	1.9	0.22	ug/L		07/14/15 11:27	07/18/15 16:17	1
Hexachlorobenzene	ND	H	9.3	0.56	ug/L		07/14/15 11:27	07/18/15 16:17	1
Hexachlorobutadiene	ND	H	9.3	0.87	ug/L		07/14/15 11:27	07/18/15 16:17	1
Hexachlorocyclopentadiene	ND	H	9.3	1.3	ug/L		07/14/15 11:27	07/18/15 16:17	1
Hexachloroethane	ND	H	9.3	1.3	ug/L		07/14/15 11:27	07/18/15 16:17	1
Indeno[1,2,3-cd]pyrene	ND	H	1.9	0.40	ug/L		07/14/15 11:27	07/18/15 16:17	1
Isophorone	ND	H	9.3	0.68	ug/L		07/14/15 11:27	07/18/15 16:17	1
2-Methylnaphthalene	ND	H	1.9	0.18	ug/L		07/14/15 11:27	07/18/15 16:17	1
2-Methylphenol	ND	H	9.3	1.7	ug/L		07/14/15 11:27	07/18/15 16:17	1
4-Methylphenol	ND	H	9.3	1.9	ug/L		07/14/15 11:27	07/18/15 16:17	1
Naphthalene	ND	H	1.9	0.21	ug/L		07/14/15 11:27	07/18/15 16:17	1
2-Nitroaniline	ND	H	46	6.2	ug/L		07/14/15 11:27	07/18/15 16:17	1

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

Client Sample ID: WG-9954-062615-SG-031
Date Collected: 06/26/15 12:45
Date Received: 06/27/15 09:30

Lab Sample ID: 180-45493-9
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND	H	46	7.5	ug/L		07/14/15 11:27	07/18/15 16:17	1
4-Nitroaniline	ND	H	46	7.2	ug/L		07/14/15 11:27	07/18/15 16:17	1
Nitrobenzene	ND	H	19	1.4	ug/L		07/14/15 11:27	07/18/15 16:17	1
2-Nitrophenol	ND	H	9.3	1.0	ug/L		07/14/15 11:27	07/18/15 16:17	1
4-Nitrophenol	ND	H	46	7.4	ug/L		07/14/15 11:27	07/18/15 16:17	1
N-Nitrosodiphenylamine	ND	H	9.3	1.1	ug/L		07/14/15 11:27	07/18/15 16:17	1
N-Nitrosodi-n-propylamine	ND	H	9.3	0.46	ug/L		07/14/15 11:27	07/18/15 16:17	1
Pentachlorophenol	ND	H	9.3	4.6	ug/L		07/14/15 11:27	07/18/15 16:17	1
Phenanthrene	ND	H	1.9	0.38	ug/L		07/14/15 11:27	07/18/15 16:17	1
Phenol	ND	H	9.3	0.51	ug/L		07/14/15 11:27	07/18/15 16:17	1
Pyrene	ND	H	1.9	0.21	ug/L		07/14/15 11:27	07/18/15 16:17	1
1,2,4-Trichlorobenzene	ND	H	9.3	0.79	ug/L		07/14/15 11:27	07/18/15 16:17	1
2,4,5-Trichlorophenol	ND	H	9.3	1.1	ug/L		07/14/15 11:27	07/18/15 16:17	1
2,4,6-Trichlorophenol	ND	H	9.3	2.8	ug/L		07/14/15 11:27	07/18/15 16:17	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*	*H*	*ug/L*				*07/14/15 11:27*	*07/18/15 16:17*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*59*		*28 - 106*	*07/14/15 11:27*	*07/18/15 16:17*	*1*
2-Fluorophenol	*52*		*20 - 108*	*07/14/15 11:27*	*07/18/15 16:17*	*1*
2,4,6-Tribromophenol	*19*	*X*	*25 - 118*	*07/14/15 11:27*	*07/18/15 16:17*	*1*
Nitrobenzene-d5	*62*		*27 - 110*	*07/14/15 11:27*	*07/18/15 16:17*	*1*
Phenol-d5	*55*		*23 - 111*	*07/14/15 11:27*	*07/18/15 16:17*	*1*
Terphenyl-d14	*60*		*20 - 109*	*07/14/15 11:27*	*07/18/15 16:17*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45493-1

Method: 8081B - Organochlorine Pesticides (GC)

Client Sample ID: WG-9954-062615-SG-035
Date Collected: 06/26/15 14:10
Date Received: 06/27/15 09:30

Lab Sample ID: 180-45493-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.025	0.017	ug/L		07/01/15 14:00	07/08/15 13:56	1
alpha-BHC	**0.021**	**J p**	0.025	0.013	ug/L		07/01/15 14:00	07/08/15 13:56	1
beta-BHC	**0.12**	**p**	0.025	0.020	ug/L		07/01/15 14:00	07/08/15 13:56	1
delta-BHC	**0.10**	**p**	0.025	0.0087	ug/L		07/01/15 14:00	07/08/15 13:56	1
gamma-BHC (Lindane)	**0.024**	**J p**	0.025	0.016	ug/L		07/01/15 14:00	07/08/15 13:56	1
alpha-Chlordane	ND		0.025	0.020	ug/L		07/01/15 14:00	07/08/15 13:56	1
gamma-Chlordane	ND		0.025	0.019	ug/L		07/01/15 14:00	07/08/15 13:56	1
4,4'-DDD	ND		0.025	0.013	ug/L		07/01/15 14:00	07/08/15 13:56	1
4,4'-DDE	**0.017**	**J p**	0.025	0.016	ug/L		07/01/15 14:00	07/08/15 13:56	1
4,4'-DDT	**0.037**	**p**	0.025	0.015	ug/L		07/01/15 14:00	07/08/15 13:56	1
Dieldrin	**0.022**	**J**	0.025	0.016	ug/L		07/01/15 14:00	07/08/15 13:56	1
Endosulfan I	ND		0.025	0.019	ug/L		07/01/15 14:00	07/08/15 13:56	1
Endosulfan II	**0.037**	**p**	0.025	0.020	ug/L		07/01/15 14:00	07/08/15 13:56	1
Endosulfan sulfate	**0.047**	**p**	0.025	0.011	ug/L		07/01/15 14:00	07/08/15 13:56	1
Endrin	ND		0.025	0.019	ug/L		07/01/15 14:00	07/08/15 13:56	1
Endrin ketone	ND		0.025	0.018	ug/L		07/01/15 14:00	07/08/15 13:56	1
Heptachlor	ND		0.025	0.020	ug/L		07/01/15 14:00	07/08/15 13:56	1
Heptachlor epoxide	ND		0.025	0.019	ug/L		07/01/15 14:00	07/08/15 13:56	1
Methoxychlor	**0.077**	**p**	0.050	0.018	ug/L		07/01/15 14:00	07/08/15 13:56	1
Toxaphene	ND		2.0	0.37	ug/L		07/01/15 14:00	07/08/15 13:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*89*		*45 - 130*	*07/01/15 14:00*	*07/08/15 13:56*	*1*
Tetrachloro-m-xylene	*88*		*45 - 130*	*07/01/15 14:00*	*07/08/15 13:56*	*1*
DCB Decachlorobiphenyl (Surr)	*89*		*45 - 130*	*07/01/15 14:00*	*07/08/15 13:56*	*1*
DCB Decachlorobiphenyl (Surr)	*83*		*45 - 130*	*07/01/15 14:00*	*07/08/15 13:56*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45493-1

Method: 8081B - Organochlorine Pesticides (GC)

Client Sample ID: WG-9954-062615-SG-032
Date Collected: 06/26/15 13:15
Date Received: 06/27/15 09:30

Lab Sample ID: 180-45493-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.025	0.017	ug/L		07/01/15 14:00	07/08/15 14:11	1
alpha-BHC	**0.013**	**J p**	0.025	0.013	ug/L		07/01/15 14:00	07/08/15 14:11	1
beta-BHC	ND		0.025	0.020	ug/L		07/01/15 14:00	07/08/15 14:11	1
delta-BHC	**0.031**	**p**	0.025	0.0087	ug/L		07/01/15 14:00	07/08/15 14:11	1
gamma-BHC (Lindane)	ND		0.025	0.016	ug/L		07/01/15 14:00	07/08/15 14:11	1
alpha-Chlordane	**0.030**		0.025	0.020	ug/L		07/01/15 14:00	07/08/15 14:11	1
gamma-Chlordane	ND		0.025	0.019	ug/L		07/01/15 14:00	07/08/15 14:11	1
4,4'-DDD	ND		0.025	0.013	ug/L		07/01/15 14:00	07/08/15 14:11	1
4,4'-DDE	**0.023**	**J p**	0.025	0.016	ug/L		07/01/15 14:00	07/08/15 14:11	1
4,4'-DDT	**0.078**	**p**	0.025	0.015	ug/L		07/01/15 14:00	07/08/15 14:11	1
Dieldrin	ND		0.025	0.016	ug/L		07/01/15 14:00	07/08/15 14:11	1
Endosulfan I	**0.026**	**p**	0.025	0.019	ug/L		07/01/15 14:00	07/08/15 14:11	1
Endosulfan II	**0.036**	**p**	0.025	0.020	ug/L		07/01/15 14:00	07/08/15 14:11	1
Endosulfan sulfate	**0.039**	**p**	0.025	0.011	ug/L		07/01/15 14:00	07/08/15 14:11	1
Endrin	ND		0.025	0.019	ug/L		07/01/15 14:00	07/08/15 14:11	1
Endrin ketone	ND		0.025	0.018	ug/L		07/01/15 14:00	07/08/15 14:11	1
Heptachlor	ND		0.025	0.020	ug/L		07/01/15 14:00	07/08/15 14:11	1
Heptachlor epoxide	**0.020**	**J p**	0.025	0.019	ug/L		07/01/15 14:00	07/08/15 14:11	1
Methoxychlor	**0.069**	**p**	0.050	0.018	ug/L		07/01/15 14:00	07/08/15 14:11	1
Toxaphene	ND		2.0	0.37	ug/L		07/01/15 14:00	07/08/15 14:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*84*		*45 - 130*	*07/01/15 14:00*	*07/08/15 14:11*	*1*
Tetrachloro-m-xylene	*87*		*45 - 130*	*07/01/15 14:00*	*07/08/15 14:11*	*1*
DCB Decachlorobiphenyl (Surr)	*88*		*45 - 130*	*07/01/15 14:00*	*07/08/15 14:11*	*1*
DCB Decachlorobiphenyl (Surr)	*86*		*45 - 130*	*07/01/15 14:00*	*07/08/15 14:11*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45493-1

Method: 8081B - Organochlorine Pesticides (GC)

Client Sample ID: WG-9954-062615-SG-033
Date Collected: 06/26/15 14:00
Date Received: 06/27/15 09:30

Lab Sample ID: 180-45493-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.025	0.017	ug/L		07/01/15 14:00	07/08/15 14:27	1
alpha-BHC	ND		0.025	0.013	ug/L		07/01/15 14:00	07/08/15 14:27	1
beta-BHC	**0.038**	**p**	0.025	0.020	ug/L		07/01/15 14:00	07/08/15 14:27	1
delta-BHC	**0.025**	**p**	0.025	0.0087	ug/L		07/01/15 14:00	07/08/15 14:27	1
gamma-BHC (Lindane)	ND		0.025	0.016	ug/L		07/01/15 14:00	07/08/15 14:27	1
alpha-Chlordane	ND		0.025	0.020	ug/L		07/01/15 14:00	07/08/15 14:27	1
gamma-Chlordane	ND		0.025	0.019	ug/L		07/01/15 14:00	07/08/15 14:27	1
4,4'-DDD	ND		0.025	0.013	ug/L		07/01/15 14:00	07/08/15 14:27	1
4,4'-DDE	ND		0.025	0.016	ug/L		07/01/15 14:00	07/08/15 14:27	1
4,4'-DDT	**0.045**	**p**	0.025	0.015	ug/L		07/01/15 14:00	07/08/15 14:27	1
Dieldrin	ND		0.025	0.016	ug/L		07/01/15 14:00	07/08/15 14:27	1
Endosulfan I	**0.048**	**p**	0.025	0.019	ug/L		07/01/15 14:00	07/08/15 14:27	1
Endosulfan II	ND		0.025	0.020	ug/L		07/01/15 14:00	07/08/15 14:27	1
Endosulfan sulfate	**0.072**	**p**	0.025	0.011	ug/L		07/01/15 14:00	07/08/15 14:27	1
Endrin	ND		0.025	0.019	ug/L		07/01/15 14:00	07/08/15 14:27	1
Endrin ketone	ND		0.025	0.018	ug/L		07/01/15 14:00	07/08/15 14:27	1
Heptachlor	ND		0.025	0.020	ug/L		07/01/15 14:00	07/08/15 14:27	1
Heptachlor epoxide	**0.053**		0.025	0.019	ug/L		07/01/15 14:00	07/08/15 14:27	1
Methoxychlor	ND		0.050	0.018	ug/L		07/01/15 14:00	07/08/15 14:27	1
Toxaphene	ND		2.0	0.37	ug/L		07/01/15 14:00	07/08/15 14:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*83*		*45 - 130*	*07/01/15 14:00*	*07/08/15 14:27*	*1*
Tetrachloro-m-xylene	*89*		*45 - 130*	*07/01/15 14:00*	*07/08/15 14:27*	*1*
DCB Decachlorobiphenyl (Surr)	*92*		*45 - 130*	*07/01/15 14:00*	*07/08/15 14:27*	*1*
DCB Decachlorobiphenyl (Surr)	*84*		*45 - 130*	*07/01/15 14:00*	*07/08/15 14:27*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45493-1

Method: 8081B - Organochlorine Pesticides (GC)

Client Sample ID: WG-9954-062615-SG-034
Date Collected: 06/26/15 14:30
Date Received: 06/27/15 09:30

Lab Sample ID: 180-45493-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.025	0.017	ug/L		07/01/15 14:00	07/08/15 14:42	1
alpha-BHC	ND		0.025	0.013	ug/L		07/01/15 14:00	07/08/15 14:42	1
beta-BHC	**0.049**	**p**	0.025	0.020	ug/L		07/01/15 14:00	07/08/15 14:42	1
delta-BHC	**0.023**	**J p**	0.025	0.0087	ug/L		07/01/15 14:00	07/08/15 14:42	1
gamma-BHC (Lindane)	ND		0.025	0.016	ug/L		07/01/15 14:00	07/08/15 14:42	1
alpha-Chlordane	ND		0.025	0.020	ug/L		07/01/15 14:00	07/08/15 14:42	1
gamma-Chlordane	**0.019**	**J p**	0.025	0.019	ug/L		07/01/15 14:00	07/08/15 14:42	1
4,4'-DDD	ND		0.025	0.013	ug/L		07/01/15 14:00	07/08/15 14:42	1
4,4'-DDE	ND		0.025	0.016	ug/L		07/01/15 14:00	07/08/15 14:42	1
4,4'-DDT	**0.055**	**p**	0.025	0.015	ug/L		07/01/15 14:00	07/08/15 14:42	1
Dieldrin	ND		0.025	0.016	ug/L		07/01/15 14:00	07/08/15 14:42	1
Endosulfan I	**0.024**	**J p**	0.025	0.019	ug/L		07/01/15 14:00	07/08/15 14:42	1
Endosulfan II	**0.049**		0.025	0.020	ug/L		07/01/15 14:00	07/08/15 14:42	1
Endosulfan sulfate	**0.029**		0.025	0.011	ug/L		07/01/15 14:00	07/08/15 14:42	1
Endrin	**0.027**	**p**	0.025	0.019	ug/L		07/01/15 14:00	07/08/15 14:42	1
Endrin ketone	ND		0.025	0.018	ug/L		07/01/15 14:00	07/08/15 14:42	1
Heptachlor	ND		0.025	0.020	ug/L		07/01/15 14:00	07/08/15 14:42	1
Heptachlor epoxide	ND		0.025	0.019	ug/L		07/01/15 14:00	07/08/15 14:42	1
Methoxychlor	**0.086**	**p**	0.050	0.018	ug/L		07/01/15 14:00	07/08/15 14:42	1
Toxaphene	ND		2.0	0.37	ug/L		07/01/15 14:00	07/08/15 14:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*83*		*45 - 130*	*07/01/15 14:00*	*07/08/15 14:42*	*1*
Tetrachloro-m-xylene	*83*		*45 - 130*	*07/01/15 14:00*	*07/08/15 14:42*	*1*
DCB Decachlorobiphenyl (Surr)	*87*		*45 - 130*	*07/01/15 14:00*	*07/08/15 14:42*	*1*
DCB Decachlorobiphenyl (Surr)	*81*		*45 - 130*	*07/01/15 14:00*	*07/08/15 14:42*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45493-1

Method: 8081B - Organochlorine Pesticides (GC)

Client Sample ID: WG-9954-062615-SG-029
Date Collected: 06/26/15 10:50
Date Received: 06/27/15 09:30

Lab Sample ID: 180-45493-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.026	0.017	ug/L		07/01/15 14:00	07/09/15 11:37	1
alpha-BHC	**0.072**		0.026	0.014	ug/L		07/01/15 14:00	07/09/15 11:37	1
beta-BHC	**0.024**	**J p**	0.026	0.021	ug/L		07/01/15 14:00	07/09/15 11:37	1
delta-BHC	**0.027**	**p**	0.026	0.0091	ug/L		07/01/15 14:00	07/09/15 11:37	1
gamma-BHC (Lindane)	**0.056**		0.026	0.017	ug/L		07/01/15 14:00	07/09/15 11:37	1
alpha-Chlordane	ND		0.026	0.020	ug/L		07/01/15 14:00	07/09/15 11:37	1
gamma-Chlordane	ND		0.026	0.020	ug/L		07/01/15 14:00	07/09/15 11:37	1
4,4'-DDD	ND		0.026	0.014	ug/L		07/01/15 14:00	07/09/15 11:37	1
4,4'-DDE	ND		0.026	0.017	ug/L		07/01/15 14:00	07/09/15 11:37	1
4,4'-DDT	**0.025**	**J p**	0.026	0.015	ug/L		07/01/15 14:00	07/09/15 11:37	1
Dieldrin	ND		0.026	0.017	ug/L		07/01/15 14:00	07/09/15 11:37	1
Endosulfan I	ND		0.026	0.020	ug/L		07/01/15 14:00	07/09/15 11:37	1
Endosulfan II	ND		0.026	0.020	ug/L		07/01/15 14:00	07/09/15 11:37	1
Endosulfan sulfate	ND		0.026	0.012	ug/L		07/01/15 14:00	07/09/15 11:37	1
Endrin	ND		0.026	0.020	ug/L		07/01/15 14:00	07/09/15 11:37	1
Endrin ketone	ND		0.026	0.019	ug/L		07/01/15 14:00	07/09/15 11:37	1
Heptachlor	ND		0.026	0.021	ug/L		07/01/15 14:00	07/09/15 11:37	1
Heptachlor epoxide	ND		0.026	0.020	ug/L		07/01/15 14:00	07/09/15 11:37	1
Methoxychlor	**0.051**	**J**	0.052	0.019	ug/L		07/01/15 14:00	07/09/15 11:37	1
Toxaphene	ND		2.1	0.39	ug/L		07/01/15 14:00	07/09/15 11:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*95*		*45 - 130*	*07/01/15 14:00*	*07/09/15 11:37*	*1*
Tetrachloro-m-xylene	*97*		*45 - 130*	*07/01/15 14:00*	*07/09/15 11:37*	*1*
DCB Decachlorobiphenyl (Surr)	*94*		*45 - 130*	*07/01/15 14:00*	*07/09/15 11:37*	*1*
DCB Decachlorobiphenyl (Surr)	*89*		*45 - 130*	*07/01/15 14:00*	*07/09/15 11:37*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45493-1

Method: 8081B - Organochlorine Pesticides (GC)

Client Sample ID: WG-9954-062615-SG-028
Date Collected: 06/26/15 09:45
Date Received: 06/27/15 09:30

Lab Sample ID: 180-45493-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.025	0.017	ug/L		07/01/15 14:00	07/09/15 11:52	1
alpha-BHC	**0.090**		0.025	0.013	ug/L		07/01/15 14:00	07/09/15 11:52	1
beta-BHC	**0.021**	**J p**	0.025	0.020	ug/L		07/01/15 14:00	07/09/15 11:52	1
delta-BHC	**0.090**		0.025	0.0087	ug/L		07/01/15 14:00	07/09/15 11:52	1
gamma-BHC (Lindane)	**0.071**		0.025	0.016	ug/L		07/01/15 14:00	07/09/15 11:52	1
alpha-Chlordane	ND		0.025	0.020	ug/L		07/01/15 14:00	07/09/15 11:52	1
gamma-Chlordane	ND		0.025	0.019	ug/L		07/01/15 14:00	07/09/15 11:52	1
4,4'-DDD	ND		0.025	0.013	ug/L		07/01/15 14:00	07/09/15 11:52	1
4,4'-DDE	ND		0.025	0.016	ug/L		07/01/15 14:00	07/09/15 11:52	1
4,4'-DDT	ND		0.025	0.015	ug/L		07/01/15 14:00	07/09/15 11:52	1
Dieldrin	**0.061**		0.025	0.016	ug/L		07/01/15 14:00	07/09/15 11:52	1
Endosulfan I	ND		0.025	0.019	ug/L		07/01/15 14:00	07/09/15 11:52	1
Endosulfan II	ND		0.025	0.020	ug/L		07/01/15 14:00	07/09/15 11:52	1
Endosulfan sulfate	ND		0.025	0.011	ug/L		07/01/15 14:00	07/09/15 11:52	1
Endrin	ND		0.025	0.019	ug/L		07/01/15 14:00	07/09/15 11:52	1
Endrin ketone	ND		0.025	0.018	ug/L		07/01/15 14:00	07/09/15 11:52	1
Heptachlor	ND		0.025	0.020	ug/L		07/01/15 14:00	07/09/15 11:52	1
Heptachlor epoxide	**0.028**		0.025	0.019	ug/L		07/01/15 14:00	07/09/15 11:52	1
Methoxychlor	**0.024**	**J**	0.050	0.018	ug/L		07/01/15 14:00	07/09/15 11:52	1
Toxaphene	ND		2.0	0.37	ug/L		07/01/15 14:00	07/09/15 11:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*92*		*45 - 130*	*07/01/15 14:00*	*07/09/15 11:52*	*1*
Tetrachloro-m-xylene	*91*		*45 - 130*	*07/01/15 14:00*	*07/09/15 11:52*	*1*
DCB Decachlorobiphenyl (Surr)	*98*		*45 - 130*	*07/01/15 14:00*	*07/09/15 11:52*	*1*
DCB Decachlorobiphenyl (Surr)	*89*		*45 - 130*	*07/01/15 14:00*	*07/09/15 11:52*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45493-1

Method: 8081B - Organochlorine Pesticides (GC)

Client Sample ID: WG-9954-062615-SG-030
Date Collected: 06/26/15 12:45
Date Received: 06/27/15 09:30

Lab Sample ID: 180-45493-7
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.026	0.017	ug/L		07/01/15 14:00	07/09/15 12:08	1
alpha-BHC	**0.035**		0.026	0.014	ug/L		07/01/15 14:00	07/09/15 12:08	1
beta-BHC	**0.077**	**p**	0.026	0.021	ug/L		07/01/15 14:00	07/09/15 12:08	1
delta-BHC	**0.032**	**p**	0.026	0.0091	ug/L		07/01/15 14:00	07/09/15 12:08	1
gamma-BHC (Lindane)	ND		0.026	0.017	ug/L		07/01/15 14:00	07/09/15 12:08	1
alpha-Chlordane	ND		0.026	0.020	ug/L		07/01/15 14:00	07/09/15 12:08	1
gamma-Chlordane	ND		0.026	0.020	ug/L		07/01/15 14:00	07/09/15 12:08	1
4,4'-DDD	ND		0.026	0.014	ug/L		07/01/15 14:00	07/09/15 12:08	1
4,4'-DDE	ND		0.026	0.017	ug/L		07/01/15 14:00	07/09/15 12:08	1
4,4'-DDT	**0.057**		0.026	0.015	ug/L		07/01/15 14:00	07/09/15 12:08	1
Dieldrin	**0.032**	**p**	0.026	0.017	ug/L		07/01/15 14:00	07/09/15 12:08	1
Endosulfan I	**0.029**	**p**	0.026	0.020	ug/L		07/01/15 14:00	07/09/15 12:08	1
Endosulfan II	**0.023**	**J p**	0.026	0.020	ug/L		07/01/15 14:00	07/09/15 12:08	1
Endosulfan sulfate	**0.077**		0.026	0.012	ug/L		07/01/15 14:00	07/09/15 12:08	1
Endrin	ND		0.026	0.020	ug/L		07/01/15 14:00	07/09/15 12:08	1
Endrin ketone	ND		0.026	0.019	ug/L		07/01/15 14:00	07/09/15 12:08	1
Heptachlor	ND		0.026	0.021	ug/L		07/01/15 14:00	07/09/15 12:08	1
Heptachlor epoxide	ND		0.026	0.020	ug/L		07/01/15 14:00	07/09/15 12:08	1
Methoxychlor	**0.074**		0.052	0.019	ug/L		07/01/15 14:00	07/09/15 12:08	1
Toxaphene	ND		2.1	0.39	ug/L		07/01/15 14:00	07/09/15 12:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*100*		*45 - 130*	*07/01/15 14:00*	*07/09/15 12:08*	*1*
Tetrachloro-m-xylene	*97*		*45 - 130*	*07/01/15 14:00*	*07/09/15 12:08*	*1*
DCB Decachlorobiphenyl (Surr)	*100*		*45 - 130*	*07/01/15 14:00*	*07/09/15 12:08*	*1*
DCB Decachlorobiphenyl (Surr)	*93*		*45 - 130*	*07/01/15 14:00*	*07/09/15 12:08*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45493-1

Method: 8081B - Organochlorine Pesticides (GC)

Client Sample ID: WG-9954-062615-SG-031
Date Collected: 06/26/15 12:45
Date Received: 06/27/15 09:30

Lab Sample ID: 180-45493-9
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.026	0.017	ug/L		07/01/15 14:00	07/09/15 12:23	1
alpha-BHC	**0.037**		0.026	0.014	ug/L		07/01/15 14:00	07/09/15 12:23	1
beta-BHC	ND		0.026	0.021	ug/L		07/01/15 14:00	07/09/15 12:23	1
delta-BHC	**0.016**	**J p**	0.026	0.0091	ug/L		07/01/15 14:00	07/09/15 12:23	1
gamma-BHC (Lindane)	**0.041**		0.026	0.017	ug/L		07/01/15 14:00	07/09/15 12:23	1
alpha-Chlordane	ND		0.026	0.020	ug/L		07/01/15 14:00	07/09/15 12:23	1
gamma-Chlordane	ND		0.026	0.020	ug/L		07/01/15 14:00	07/09/15 12:23	1
4,4'-DDD	ND		0.026	0.014	ug/L		07/01/15 14:00	07/09/15 12:23	1
4,4'-DDE	ND		0.026	0.017	ug/L		07/01/15 14:00	07/09/15 12:23	1
4,4'-DDT	**0.029**	**p**	0.026	0.015	ug/L		07/01/15 14:00	07/09/15 12:23	1
Dieldrin	**0.019**	**J**	0.026	0.017	ug/L		07/01/15 14:00	07/09/15 12:23	1
Endosulfan I	ND		0.026	0.020	ug/L		07/01/15 14:00	07/09/15 12:23	1
Endosulfan II	ND		0.026	0.020	ug/L		07/01/15 14:00	07/09/15 12:23	1
Endosulfan sulfate	**0.039**		0.026	0.012	ug/L		07/01/15 14:00	07/09/15 12:23	1
Endrin	ND		0.026	0.020	ug/L		07/01/15 14:00	07/09/15 12:23	1
Endrin ketone	ND		0.026	0.019	ug/L		07/01/15 14:00	07/09/15 12:23	1
Heptachlor	ND		0.026	0.021	ug/L		07/01/15 14:00	07/09/15 12:23	1
Heptachlor epoxide	ND		0.026	0.020	ug/L		07/01/15 14:00	07/09/15 12:23	1
Methoxychlor	**0.11**		0.052	0.019	ug/L		07/01/15 14:00	07/09/15 12:23	1
Toxaphene	ND		2.1	0.39	ug/L		07/01/15 14:00	07/09/15 12:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*95*		*45 - 130*	*07/01/15 14:00*	*07/09/15 12:23*	*1*
Tetrachloro-m-xylene	*93*		*45 - 130*	*07/01/15 14:00*	*07/09/15 12:23*	*1*
DCB Decachlorobiphenyl (Surr)	*99*		*45 - 130*	*07/01/15 14:00*	*07/09/15 12:23*	*1*
DCB Decachlorobiphenyl (Surr)	*91*		*45 - 130*	*07/01/15 14:00*	*07/09/15 12:23*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45493-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: WG-9954-062615-SG-035
Date Collected: 06/26/15 14:10
Date Received: 06/27/15 09:30

Lab Sample ID: 180-45493-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.20	0.050	ug/L		07/01/15 14:00	07/07/15 00:52	1
PCB-1221	ND		0.20	0.082	ug/L		07/01/15 14:00	07/07/15 00:52	1
PCB-1232	ND		0.20	0.078	ug/L		07/01/15 14:00	07/07/15 00:52	1
PCB-1242	ND		0.20	0.037	ug/L		07/01/15 14:00	07/07/15 00:52	1
PCB-1248	ND		0.20	0.054	ug/L		07/01/15 14:00	07/07/15 00:52	1
PCB-1254	ND		0.20	0.060	ug/L		07/01/15 14:00	07/07/15 00:52	1
PCB-1260	ND		0.20	0.034	ug/L		07/01/15 14:00	07/07/15 00:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*134*		*35 - 140*	*07/01/15 14:00*	*07/07/15 00:52*	*1*
Tetrachloro-m-xylene (Surr)	*93*		*35 - 140*	*07/01/15 14:00*	*07/07/15 00:52*	*1*
DCB Decachlorobiphenyl (Surr)	*98*		*35 - 140*	*07/01/15 14:00*	*07/07/15 00:52*	*1*
DCB Decachlorobiphenyl (Surr)	*93*		*35 - 140*	*07/01/15 14:00*	*07/07/15 00:52*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45493-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: WG-9954-062615-SG-032
Date Collected: 06/26/15 13:15
Date Received: 06/27/15 09:30

Lab Sample ID: 180-45493-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.20	0.050	ug/L		07/01/15 14:00	07/07/15 01:11	1
PCB-1221	ND		0.20	0.082	ug/L		07/01/15 14:00	07/07/15 01:11	1
PCB-1232	ND		0.20	0.078	ug/L		07/01/15 14:00	07/07/15 01:11	1
PCB-1242	ND		0.20	0.037	ug/L		07/01/15 14:00	07/07/15 01:11	1
PCB-1248	ND		0.20	0.054	ug/L		07/01/15 14:00	07/07/15 01:11	1
PCB-1254	ND		0.20	0.060	ug/L		07/01/15 14:00	07/07/15 01:11	1
PCB-1260	ND		0.20	0.034	ug/L		07/01/15 14:00	07/07/15 01:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*217*	*X*	*35 - 140*	*07/01/15 14:00*	*07/07/15 01:11*	*1*
Tetrachloro-m-xylene (Surr)	*109*	*p*	*35 - 140*	*07/01/15 14:00*	*07/07/15 01:11*	*1*
DCB Decachlorobiphenyl (Surr)	*99*		*35 - 140*	*07/01/15 14:00*	*07/07/15 01:11*	*1*
DCB Decachlorobiphenyl (Surr)	*94*		*35 - 140*	*07/01/15 14:00*	*07/07/15 01:11*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45493-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: WG-9954-062615-SG-033
Date Collected: 06/26/15 14:00
Date Received: 06/27/15 09:30

Lab Sample ID: 180-45493-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.20	0.050	ug/L		07/01/15 14:00	07/07/15 01:30	1
PCB-1221	ND		0.20	0.082	ug/L		07/01/15 14:00	07/07/15 01:30	1
PCB-1232	ND		0.20	0.078	ug/L		07/01/15 14:00	07/07/15 01:30	1
PCB-1242	ND		0.20	0.037	ug/L		07/01/15 14:00	07/07/15 01:30	1
PCB-1248	ND		0.20	0.054	ug/L		07/01/15 14:00	07/07/15 01:30	1
PCB-1254	ND		0.20	0.060	ug/L		07/01/15 14:00	07/07/15 01:30	1
PCB-1260	ND		0.20	0.034	ug/L		07/01/15 14:00	07/07/15 01:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*616*	*X*	*35 - 140*	*07/01/15 14:00*	*07/07/15 01:30*	*1*
Tetrachloro-m-xylene (Surr)	*133*	*p*	*35 - 140*	*07/01/15 14:00*	*07/07/15 01:30*	*1*
DCB Decachlorobiphenyl (Surr)	*103*		*35 - 140*	*07/01/15 14:00*	*07/07/15 01:30*	*1*
DCB Decachlorobiphenyl (Surr)	*95*		*35 - 140*	*07/01/15 14:00*	*07/07/15 01:30*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45493-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: WG-9954-062615-SG-034
Date Collected: 06/26/15 14:30
Date Received: 06/27/15 09:30

Lab Sample ID: 180-45493-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.20	0.050	ug/L		07/01/15 14:00	07/07/15 01:49	1
PCB-1221	ND		0.20	0.082	ug/L		07/01/15 14:00	07/07/15 01:49	1
PCB-1232	ND		0.20	0.078	ug/L		07/01/15 14:00	07/07/15 01:49	1
PCB-1242	ND		0.20	0.037	ug/L		07/01/15 14:00	07/07/15 01:49	1
PCB-1248	ND		0.20	0.054	ug/L		07/01/15 14:00	07/07/15 01:49	1
PCB-1254	ND		0.20	0.060	ug/L		07/01/15 14:00	07/07/15 01:49	1
PCB-1260	ND		0.20	0.034	ug/L		07/01/15 14:00	07/07/15 01:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*167*	*X*	*35 - 140*	*07/01/15 14:00*	*07/07/15 01:49*	*1*
Tetrachloro-m-xylene (Surr)	*83*	*p*	*35 - 140*	*07/01/15 14:00*	*07/07/15 01:49*	*1*
DCB Decachlorobiphenyl (Surr)	*96*		*35 - 140*	*07/01/15 14:00*	*07/07/15 01:49*	*1*
DCB Decachlorobiphenyl (Surr)	*90*		*35 - 140*	*07/01/15 14:00*	*07/07/15 01:49*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45493-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: WG-9954-062615-SG-029
Date Collected: 06/26/15 10:50
Date Received: 06/27/15 09:30

Lab Sample ID: 180-45493-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.21	0.052	ug/L		07/01/15 14:00	07/07/15 02:07	1
PCB-1221	ND		0.21	0.085	ug/L		07/01/15 14:00	07/07/15 02:07	1
PCB-1232	ND		0.21	0.081	ug/L		07/01/15 14:00	07/07/15 02:07	1
PCB-1242	ND		0.21	0.039	ug/L		07/01/15 14:00	07/07/15 02:07	1
PCB-1248	ND		0.21	0.056	ug/L		07/01/15 14:00	07/07/15 02:07	1
PCB-1254	ND		0.21	0.063	ug/L		07/01/15 14:00	07/07/15 02:07	1
PCB-1260	ND		0.21	0.035	ug/L		07/01/15 14:00	07/07/15 02:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*91*		*35 - 140*	*07/01/15 14:00*	*07/07/15 02:07*	*1*
Tetrachloro-m-xylene (Surr)	*80*		*35 - 140*	*07/01/15 14:00*	*07/07/15 02:07*	*1*
DCB Decachlorobiphenyl (Surr)	*95*		*35 - 140*	*07/01/15 14:00*	*07/07/15 02:07*	*1*
DCB Decachlorobiphenyl (Surr)	*93*		*35 - 140*	*07/01/15 14:00*	*07/07/15 02:07*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45493-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: WG-9954-062615-SG-028
Date Collected: 06/26/15 09:45
Date Received: 06/27/15 09:30

Lab Sample ID: 180-45493-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.20	0.050	ug/L		07/01/15 14:00	07/07/15 02:26	1
PCB-1221	ND		0.20	0.082	ug/L		07/01/15 14:00	07/07/15 02:26	1
PCB-1232	ND		0.20	0.078	ug/L		07/01/15 14:00	07/07/15 02:26	1
PCB-1242	ND		0.20	0.037	ug/L		07/01/15 14:00	07/07/15 02:26	1
PCB-1248	ND		0.20	0.054	ug/L		07/01/15 14:00	07/07/15 02:26	1
PCB-1254	ND		0.20	0.060	ug/L		07/01/15 14:00	07/07/15 02:26	1
PCB-1260	ND		0.20	0.034	ug/L		07/01/15 14:00	07/07/15 02:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*88*		*35 - 140*	*07/01/15 14:00*	*07/07/15 02:26*	*1*
Tetrachloro-m-xylene (Surr)	*77*		*35 - 140*	*07/01/15 14:00*	*07/07/15 02:26*	*1*
DCB Decachlorobiphenyl (Surr)	*92*		*35 - 140*	*07/01/15 14:00*	*07/07/15 02:26*	*1*
DCB Decachlorobiphenyl (Surr)	*93*		*35 - 140*	*07/01/15 14:00*	*07/07/15 02:26*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45493-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: WG-9954-062615-SG-030
Date Collected: 06/26/15 12:45
Date Received: 06/27/15 09:30

Lab Sample ID: 180-45493-7
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.21	0.052	ug/L		07/01/15 14:00	07/07/15 02:45	1
PCB-1221	ND		0.21	0.085	ug/L		07/01/15 14:00	07/07/15 02:45	1
PCB-1232	ND		0.21	0.081	ug/L		07/01/15 14:00	07/07/15 02:45	1
PCB-1242	ND		0.21	0.039	ug/L		07/01/15 14:00	07/07/15 02:45	1
PCB-1248	ND		0.21	0.056	ug/L		07/01/15 14:00	07/07/15 02:45	1
PCB-1254	ND		0.21	0.063	ug/L		07/01/15 14:00	07/07/15 02:45	1
PCB-1260	ND		0.21	0.035	ug/L		07/01/15 14:00	07/07/15 02:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*137*		*35 - 140*	*07/01/15 14:00*	*07/07/15 02:45*	*1*
Tetrachloro-m-xylene (Surr)	*79*	*p*	*35 - 140*	*07/01/15 14:00*	*07/07/15 02:45*	*1*
DCB Decachlorobiphenyl (Surr)	*98*		*35 - 140*	*07/01/15 14:00*	*07/07/15 02:45*	*1*
DCB Decachlorobiphenyl (Surr)	*94*		*35 - 140*	*07/01/15 14:00*	*07/07/15 02:45*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45493-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: WG-9954-062615-SG-031
Date Collected: 06/26/15 12:45
Date Received: 06/27/15 09:30

Lab Sample ID: 180-45493-9
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.21	0.052	ug/L		07/01/15 14:00	07/07/15 03:03	1
PCB-1221	ND		0.21	0.085	ug/L		07/01/15 14:00	07/07/15 03:03	1
PCB-1232	ND		0.21	0.081	ug/L		07/01/15 14:00	07/07/15 03:03	1
PCB-1242	ND		0.21	0.039	ug/L		07/01/15 14:00	07/07/15 03:03	1
PCB-1248	ND		0.21	0.056	ug/L		07/01/15 14:00	07/07/15 03:03	1
PCB-1254	ND		0.21	0.063	ug/L		07/01/15 14:00	07/07/15 03:03	1
PCB-1260	ND		0.21	0.035	ug/L		07/01/15 14:00	07/07/15 03:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*102*		*35 - 140*	*07/01/15 14:00*	*07/07/15 03:03*	*1*
Tetrachloro-m-xylene (Surr)	*91*		*35 - 140*	*07/01/15 14:00*	*07/07/15 03:03*	*1*
DCB Decachlorobiphenyl (Surr)	*97*		*35 - 140*	*07/01/15 14:00*	*07/07/15 03:03*	*1*
DCB Decachlorobiphenyl (Surr)	*95*		*35 - 140*	*07/01/15 14:00*	*07/07/15 03:03*	*1*

CHAIN-OF-CUSTODY/Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Client Information	
GLEN SPRINGS HOLDINGS INC	Report To: Susan Scrocchi
805 97TH STREET	Copy To:
LOVE CANAL	
NIAGARA FALLS, NEW YORK 14304	Invoice To:
Phone: 716-283-0111	PO:
Fax: 716-283-2856	Project Name: LOVE CANAL ANNUAL GW
Email: sscrocchi@craworld.com	Project Number: 9954

Lab Information
Laboratory: TEST AMERICA PITTSBURGH
Laboratory Location: 301 ALPHA DRIVE PITTSBURGH, PA 15238
Laboratory Contact: JILL COLUSSY
Requested Due Date: TAT: 10
QA/QC Requirements:

Event Information
ID#: LC ANNUAL GW SAMPLING-06-1
SSOW Ref#:
Sampler Name: SHAWN GARDNER

Valid Matrix Code
WG Groundwater
WB Borehole Water
WS Surface Water
SO Soil
SE Sediment

Sample Condition	
Temp in C	
Received on ice	Y/N
Sealed Cooler	Y/N
Samples Intact	Y/N

180-45493 Chain of Custody

Sample Identification	Matrix Code	Date Collected	Time Collected	PestPCBs(None)	SVOC(none)	VOA(HCl)	Remarks
WG-9954-062615-SG-035	WG	06/26/2015	14:10	4	2	3	
WG-9954-062615-SG-032	WG	06/26/2015	13:15	4	2	3	
WG-9954-062615-SG-033	WG	06/26/2015	14:00	4	2	3	
WG-9954-062615-SG-034	WG	06/26/2015	14:30	4	2	3	
WG-9954-062615-SG-029	WG	06/26/2015	10:50	4	2	3	
WG-9954-062615-SG-028	WG	06/26/2015	09:45	4	2	3	
WG-9954-062615-SG-030	WG	06/26/2015	12:45	4	2	3	
LCTRIP-062615-SG	WG Q	06/26/2015	00:00	-	-	3	
WG-9954-062615-SG-031	WG	06/26/2015	12:45	4	2	3	
Total Bottles				**32**	**16**	**27**	**Grand Total:75**

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY:	DATE	TIME	RECIEVED BY:	DATE	TIME
FedEx	3	Shawn Gardner	6/26/15	1600	Debbie Watson	6-27-15	9:30
AIRBILL#:							

ANALYTICAL REPORT

Job Number: 180-45580-1

Job Description: 9954, Love Canal Annual

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

Attention: Ms. Sue Scrocchi

Approved for release.
Jill L Colussy
Project Manager I
7/21/2015 4:17 PM

Jill L Colussy, Project Manager I
301 Alpha Drive, Pittsburgh, PA, 15238
(412)963-2444
jill.colussy@testamericainc.com
07/21/2015

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Method 8270D CCAL Data 555

Raw QC Data 563

Method 8270D Tune Data 563

Method 8270D Blank Data 579

Method 8270D LCS/LCSD Data 589

Method 8270D MS/MSD Data 596

Method 8270D Run Logs 608

Method 8270D Prep Data 610

GC Semi VOA 612

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Method 8081B QC Summary 613

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Method 8081B ICAL Data 702

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Raw QC Data 817

Method 8081B Blank Data 817

Method 8081B LCS/LCSD Data 829

Method 8081B MS/MSD Data 839

Method 8081B Run Logs 880

Method 8081B Prep Data 885

Method 8082A 887

Method 8082A QC Summary 888

Method 8082A Sample Data 898

Standards Data 948

Method 8082A ICAL Data 948

Method 8082A CCAL Data 1040

Raw QC Data 1107

Method 8082A Blank Data 1107

Method 8082A LCS/LCSD Data 1117

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Definitions/Glossary

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45580-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F2	MS/MSD RPD exceeds control limits

GC/MS VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	Presumptive evidence of material.
T	Result is a tentatively identified compound (TIC) and an estimated value.

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
T	Result is a tentatively identified compound (TIC) and an estimated value.

GC Semi VOA

Qualifier	Qualifier Description
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

CASE NARRATIVE

Client: GHD Services Inc.

Project: 9954, Love Canal Annual

Report Number: 180-45580-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT
The samples were received on 7/2/2015 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 3 coolers at receipt time were 1.7º C, 2.3º C and 3.9º C.

The earliest time sampled was logged in as the sampling time for the TRIP BLANK as per the laboratory SOP.

VOLATILES
The relative percent difference between the matrix spike and the matrix spike duplicate of sample WG-9954-070115-SG-037 (180-45580-4) was outside of the control limits for 1,1-Dichloroethene.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)
No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

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

PCBS
No 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: 9954, Love Canal Annual

TestAmerica Job ID: 180-45580-1

Client Sample ID: WG-9954-070115-SG-039 — Lab Sample ID: 180-45580-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
beta-BHC	0.034	p	0.026	0.021	ug/L	1		8081B	Total/NA
delta-BHC	0.035	p	0.026	0.0091	ug/L	1		8081B	Total/NA
4,4'-DDD	0.017	J p	0.026	0.014	ug/L	1		8081B	Total/NA
4,4'-DDT	0.030		0.026	0.015	ug/L	1		8081B	Total/NA
Endosulfan II	0.054	p	0.026	0.020	ug/L	1		8081B	Total/NA
Endosulfan sulfate	0.043	p	0.026	0.012	ug/L	1		8081B	Total/NA
Endrin	0.021	J p	0.026	0.020	ug/L	1		8081B	Total/NA
Methoxychlor	0.11		0.052	0.019	ug/L	1		8081B	Total/NA

Client Sample ID: WG-9954-070115-SG-038 — Lab Sample ID: 180-45580-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	2.2	J	5.0	1.1	ug/L	1		8260C	Total/NA
delta-BHC	0.035		0.026	0.0091	ug/L	1		8081B	Total/NA
4,4'-DDT	0.017	J p	0.026	0.015	ug/L	1		8081B	Total/NA

Client Sample ID: WG-9954-070115-SG-040 — Lab Sample ID: 180-45580-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	1.5	J	5.0	1.1	ug/L	1		8260C	Total/NA
delta-BHC	0.032	p	0.025	0.0087	ug/L	1		8081B	Total/NA
4,4'-DDD	0.022	J	0.025	0.013	ug/L	1		8081B	Total/NA
Endosulfan sulfate	0.014	J p	0.025	0.011	ug/L	1		8081B	Total/NA
Methoxychlor	0.028	J p	0.050	0.018	ug/L	1		8081B	Total/NA

Client Sample ID: WG-9954-070115-SG-037 — Lab Sample ID: 180-45580-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
delta-BHC	0.042		0.025	0.0087	ug/L	1		8081B	Total/NA
4,4'-DDD	0.034		0.025	0.013	ug/L	1		8081B	Total/NA

Client Sample ID: WG-9954-070115-SG-036 — Lab Sample ID: 180-45580-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
delta-BHC	0.025	p	0.025	0.0087	ug/L	1		8081B	Total/NA
4,4'-DDT	0.023	J	0.025	0.015	ug/L	1		8081B	Total/NA
Methoxychlor	0.039	J p	0.050	0.018	ug/L	1		8081B	Total/NA

Client Sample ID: LCTRIP-070115-SG — Lab Sample ID: 180-45580-6

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45580-1

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

Client Sample ID: WG-9954-070115-SG-039
Date Collected: 07/01/15 12:35
Date Received: 07/02/15 09:00

Lab Sample ID: 180-45580-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	1.0	ug/L			07/08/15 20:17	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.93	ug/L			07/08/15 20:17	1
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			07/08/15 20:17	1
1,1-Dichloroethane	ND		5.0	1.0	ug/L			07/08/15 20:17	1
1,1-Dichloroethene	ND		5.0	1.1	ug/L			07/08/15 20:17	1
1,2-Dichloroethane	ND		5.0	0.96	ug/L			07/08/15 20:17	1
1,2-Dichloropropane	ND		5.0	1.3	ug/L			07/08/15 20:17	1
2-Butanone (MEK)	ND		5.0	1.1	ug/L			07/08/15 20:17	1
2-Hexanone	ND		5.0	0.57	ug/L			07/08/15 20:17	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.59	ug/L			07/08/15 20:17	1
Acetone	ND		20	5.0	ug/L			07/08/15 20:17	1
Benzene	ND		5.0	0.99	ug/L			07/08/15 20:17	1
Bromodichloromethane	ND		5.0	0.93	ug/L			07/08/15 20:17	1
Bromoform	ND		5.0	1.1	ug/L			07/08/15 20:17	1
Bromomethane	ND		5.0	1.6	ug/L			07/08/15 20:17	1
Carbon disulfide	ND		5.0	1.1	ug/L			07/08/15 20:17	1
Carbon tetrachloride	ND		5.0	1.1	ug/L			07/08/15 20:17	1
Chlorobenzene	ND		5.0	0.53	ug/L			07/08/15 20:17	1
Chloroethane	ND		5.0	0.75	ug/L			07/08/15 20:17	1
Chloroform	ND		5.0	1.0	ug/L			07/08/15 20:17	1
Chloromethane	ND		5.0	1.4	ug/L			07/08/15 20:17	1
cis-1,2-Dichloroethene	ND		5.0	0.67	ug/L			07/08/15 20:17	1
cis-1,3-Dichloropropene	ND		5.0	0.73	ug/L			07/08/15 20:17	1
Dibromochloromethane	ND		5.0	0.65	ug/L			07/08/15 20:17	1
Ethylbenzene	ND		5.0	0.62	ug/L			07/08/15 20:17	1
Methylene Chloride	ND		5.0	1.1	ug/L			07/08/15 20:17	1
Styrene	ND		5.0	0.64	ug/L			07/08/15 20:17	1
Tetrachloroethene	ND		5.0	0.82	ug/L			07/08/15 20:17	1
Toluene	ND		5.0	0.85	ug/L			07/08/15 20:17	1
trans-1,2-Dichloroethene	ND		5.0	0.75	ug/L			07/08/15 20:17	1
trans-1,3-Dichloropropene	ND		5.0	0.58	ug/L			07/08/15 20:17	1
Trichloroethene	ND		5.0	0.80	ug/L			07/08/15 20:17	1
Vinyl acetate	ND		5.0	0.86	ug/L			07/08/15 20:17	1
Vinyl chloride	ND		5.0	1.3	ug/L			07/08/15 20:17	1
Xylenes, Total	ND		10	1.7	ug/L			07/08/15 20:17	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*07/08/15 20:17*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*79*		*62 - 123*		*07/08/15 20:17*	*1*
4-Bromofluorobenzene (Surr)	*86*		*75 - 120*		*07/08/15 20:17*	*1*
Dibromofluoromethane (Surr)	*98*		*80 - 120*		*07/08/15 20:17*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*07/08/15 20:17*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45580-1

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

Client Sample ID: WG-9954-070115-SG-038
Date Collected: 07/01/15 11:00
Date Received: 07/02/15 09:00

Lab Sample ID: 180-45580-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	1.0	ug/L			07/08/15 19:51	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.93	ug/L			07/08/15 19:51	1
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			07/08/15 19:51	1
1,1-Dichloroethane	ND		5.0	1.0	ug/L			07/08/15 19:51	1
1,1-Dichloroethene	ND		5.0	1.1	ug/L			07/08/15 19:51	1
1,2-Dichloroethane	ND		5.0	0.96	ug/L			07/08/15 19:51	1
1,2-Dichloropropane	ND		5.0	1.3	ug/L			07/08/15 19:51	1
2-Butanone (MEK)	ND		5.0	1.1	ug/L			07/08/15 19:51	1
2-Hexanone	ND		5.0	0.57	ug/L			07/08/15 19:51	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.59	ug/L			07/08/15 19:51	1
Acetone	ND		20	5.0	ug/L			07/08/15 19:51	1
Benzene	ND		5.0	0.99	ug/L			07/08/15 19:51	1
Bromodichloromethane	ND		5.0	0.93	ug/L			07/08/15 19:51	1
Bromoform	ND		5.0	1.1	ug/L			07/08/15 19:51	1
Bromomethane	ND		5.0	1.6	ug/L			07/08/15 19:51	1
Carbon disulfide	**2.2**	**J**	5.0	1.1	ug/L			07/08/15 19:51	1
Carbon tetrachloride	ND		5.0	1.1	ug/L			07/08/15 19:51	1
Chlorobenzene	ND		5.0	0.53	ug/L			07/08/15 19:51	1
Chloroethane	ND		5.0	0.75	ug/L			07/08/15 19:51	1
Chloroform	ND		5.0	1.0	ug/L			07/08/15 19:51	1
Chloromethane	ND		5.0	1.4	ug/L			07/08/15 19:51	1
cis-1,2-Dichloroethene	ND		5.0	0.67	ug/L			07/08/15 19:51	1
cis-1,3-Dichloropropene	ND		5.0	0.73	ug/L			07/08/15 19:51	1
Dibromochloromethane	ND		5.0	0.65	ug/L			07/08/15 19:51	1
Ethylbenzene	ND		5.0	0.62	ug/L			07/08/15 19:51	1
Methylene Chloride	ND		5.0	1.1	ug/L			07/08/15 19:51	1
Styrene	ND		5.0	0.64	ug/L			07/08/15 19:51	1
Tetrachloroethene	ND		5.0	0.82	ug/L			07/08/15 19:51	1
Toluene	ND		5.0	0.85	ug/L			07/08/15 19:51	1
trans-1,2-Dichloroethene	ND		5.0	0.75	ug/L			07/08/15 19:51	1
trans-1,3-Dichloropropene	ND		5.0	0.58	ug/L			07/08/15 19:51	1
Trichloroethene	ND		5.0	0.80	ug/L			07/08/15 19:51	1
Vinyl acetate	ND		5.0	0.86	ug/L			07/08/15 19:51	1
Vinyl chloride	ND		5.0	1.3	ug/L			07/08/15 19:51	1
Xylenes, Total	ND		10	1.7	ug/L			07/08/15 19:51	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*07/08/15 19:51*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*83*		*62 - 123*		*07/08/15 19:51*	*1*
4-Bromofluorobenzene (Surr)	*88*		*75 - 120*		*07/08/15 19:51*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 120*		*07/08/15 19:51*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*07/08/15 19:51*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45580-1

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

Client Sample ID: WG-9954-070115-SG-040
Date Collected: 07/01/15 13:40
Date Received: 07/02/15 09:00

Lab Sample ID: 180-45580-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	1.0	ug/L			07/08/15 19:27	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.93	ug/L			07/08/15 19:27	1
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			07/08/15 19:27	1
1,1-Dichloroethane	ND		5.0	1.0	ug/L			07/08/15 19:27	1
1,1-Dichloroethene	ND		5.0	1.1	ug/L			07/08/15 19:27	1
1,2-Dichloroethane	ND		5.0	0.96	ug/L			07/08/15 19:27	1
1,2-Dichloropropane	ND		5.0	1.3	ug/L			07/08/15 19:27	1
2-Butanone (MEK)	ND		5.0	1.1	ug/L			07/08/15 19:27	1
2-Hexanone	ND		5.0	0.57	ug/L			07/08/15 19:27	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.59	ug/L			07/08/15 19:27	1
Acetone	ND		20	5.0	ug/L			07/08/15 19:27	1
Benzene	ND		5.0	0.99	ug/L			07/08/15 19:27	1
Bromodichloromethane	ND		5.0	0.93	ug/L			07/08/15 19:27	1
Bromoform	ND		5.0	1.1	ug/L			07/08/15 19:27	1
Bromomethane	ND		5.0	1.6	ug/L			07/08/15 19:27	1
Carbon disulfide	**1.5**	**J**	5.0	1.1	ug/L			07/08/15 19:27	1
Carbon tetrachloride	ND		5.0	1.1	ug/L			07/08/15 19:27	1
Chlorobenzene	ND		5.0	0.53	ug/L			07/08/15 19:27	1
Chloroethane	ND		5.0	0.75	ug/L			07/08/15 19:27	1
Chloroform	ND		5.0	1.0	ug/L			07/08/15 19:27	1
Chloromethane	ND		5.0	1.4	ug/L			07/08/15 19:27	1
cis-1,2-Dichloroethene	ND		5.0	0.67	ug/L			07/08/15 19:27	1
cis-1,3-Dichloropropene	ND		5.0	0.73	ug/L			07/08/15 19:27	1
Dibromochloromethane	ND		5.0	0.65	ug/L			07/08/15 19:27	1
Ethylbenzene	ND		5.0	0.62	ug/L			07/08/15 19:27	1
Methylene Chloride	ND		5.0	1.1	ug/L			07/08/15 19:27	1
Styrene	ND		5.0	0.64	ug/L			07/08/15 19:27	1
Tetrachloroethene	ND		5.0	0.82	ug/L			07/08/15 19:27	1
Toluene	ND		5.0	0.85	ug/L			07/08/15 19:27	1
trans-1,2-Dichloroethene	ND		5.0	0.75	ug/L			07/08/15 19:27	1
trans-1,3-Dichloropropene	ND		5.0	0.58	ug/L			07/08/15 19:27	1
Trichloroethene	ND		5.0	0.80	ug/L			07/08/15 19:27	1
Vinyl acetate	ND		5.0	0.86	ug/L			07/08/15 19:27	1
Vinyl chloride	ND		5.0	1.3	ug/L			07/08/15 19:27	1
Xylenes, Total	ND		10	1.7	ug/L			07/08/15 19:27	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Sulfur dioxide	*50*	*T J N*	*ug/L*		*1.26*	*7446-09-5*		*07/08/15 19:27*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*80*		*62 - 123*		*07/08/15 19:27*	*1*
4-Bromofluorobenzene (Surr)	*86*		*75 - 120*		*07/08/15 19:27*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*07/08/15 19:27*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*07/08/15 19:27*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45580-1

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

Client Sample ID: WG-9954-070115-SG-037
Date Collected: 07/01/15 10:05
Date Received: 07/02/15 09:00

Lab Sample ID: 180-45580-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	1.0	ug/L			07/08/15 12:39	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.93	ug/L			07/08/15 12:39	1
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			07/08/15 12:39	1
1,1-Dichloroethane	ND		5.0	1.0	ug/L			07/08/15 12:39	1
1,1-Dichloroethene	ND	F2	5.0	1.1	ug/L			07/08/15 12:39	1
1,2-Dichloroethane	ND		5.0	0.96	ug/L			07/08/15 12:39	1
1,2-Dichloropropane	ND		5.0	1.3	ug/L			07/08/15 12:39	1
2-Butanone (MEK)	ND		5.0	1.1	ug/L			07/08/15 12:39	1
2-Hexanone	ND		5.0	0.57	ug/L			07/08/15 12:39	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.59	ug/L			07/08/15 12:39	1
Acetone	ND		20	5.0	ug/L			07/08/15 12:39	1
Benzene	ND		5.0	0.99	ug/L			07/08/15 12:39	1
Bromodichloromethane	ND		5.0	0.93	ug/L			07/08/15 12:39	1
Bromoform	ND		5.0	1.1	ug/L			07/08/15 12:39	1
Bromomethane	ND		5.0	1.6	ug/L			07/08/15 12:39	1
Carbon disulfide	ND		5.0	1.1	ug/L			07/08/15 12:39	1
Carbon tetrachloride	ND		5.0	1.1	ug/L			07/08/15 12:39	1
Chlorobenzene	ND		5.0	0.53	ug/L			07/08/15 12:39	1
Chloroethane	ND		5.0	0.75	ug/L			07/08/15 12:39	1
Chloroform	ND		5.0	1.0	ug/L			07/08/15 12:39	1
Chloromethane	ND		5.0	1.4	ug/L			07/08/15 12:39	1
cis-1,2-Dichloroethene	ND		5.0	0.67	ug/L			07/08/15 12:39	1
cis-1,3-Dichloropropene	ND		5.0	0.73	ug/L			07/08/15 12:39	1
Dibromochloromethane	ND		5.0	0.65	ug/L			07/08/15 12:39	1
Ethylbenzene	ND		5.0	0.62	ug/L			07/08/15 12:39	1
Methylene Chloride	ND		5.0	1.1	ug/L			07/08/15 12:39	1
Styrene	ND		5.0	0.64	ug/L			07/08/15 12:39	1
Tetrachloroethene	ND		5.0	0.82	ug/L			07/08/15 12:39	1
Toluene	ND		5.0	0.85	ug/L			07/08/15 12:39	1
trans-1,2-Dichloroethene	ND		5.0	0.75	ug/L			07/08/15 12:39	1
trans-1,3-Dichloropropene	ND		5.0	0.58	ug/L			07/08/15 12:39	1
Trichloroethene	ND		5.0	0.80	ug/L			07/08/15 12:39	1
Vinyl acetate	ND		5.0	0.86	ug/L			07/08/15 12:39	1
Vinyl chloride	ND		5.0	1.3	ug/L			07/08/15 12:39	1
Xylenes, Total	ND		10	1.7	ug/L			07/08/15 12:39	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*07/08/15 12:39*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*74*		*62 - 123*		*07/08/15 12:39*	*1*
4-Bromofluorobenzene (Surr)	*84*		*75 - 120*		*07/08/15 12:39*	*1*
Dibromofluoromethane (Surr)	*89*		*80 - 120*		*07/08/15 12:39*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*07/08/15 12:39*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45580-1

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

Client Sample ID: WG-9954-070115-SG-036
Date Collected: 07/01/15 09:15
Date Received: 07/02/15 09:00

Lab Sample ID: 180-45580-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	1.0	ug/L			07/08/15 20:41	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.93	ug/L			07/08/15 20:41	1
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			07/08/15 20:41	1
1,1-Dichloroethane	ND		5.0	1.0	ug/L			07/08/15 20:41	1
1,1-Dichloroethene	ND		5.0	1.1	ug/L			07/08/15 20:41	1
1,2-Dichloroethane	ND		5.0	0.96	ug/L			07/08/15 20:41	1
1,2-Dichloropropane	ND		5.0	1.3	ug/L			07/08/15 20:41	1
2-Butanone (MEK)	ND		5.0	1.1	ug/L			07/08/15 20:41	1
2-Hexanone	ND		5.0	0.57	ug/L			07/08/15 20:41	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.59	ug/L			07/08/15 20:41	1
Acetone	ND		20	5.0	ug/L			07/08/15 20:41	1
Benzene	ND		5.0	0.99	ug/L			07/08/15 20:41	1
Bromodichloromethane	ND		5.0	0.93	ug/L			07/08/15 20:41	1
Bromoform	ND		5.0	1.1	ug/L			07/08/15 20:41	1
Bromomethane	ND		5.0	1.6	ug/L			07/08/15 20:41	1
Carbon disulfide	ND		5.0	1.1	ug/L			07/08/15 20:41	1
Carbon tetrachloride	ND		5.0	1.1	ug/L			07/08/15 20:41	1
Chlorobenzene	ND		5.0	0.53	ug/L			07/08/15 20:41	1
Chloroethane	ND		5.0	0.75	ug/L			07/08/15 20:41	1
Chloroform	ND		5.0	1.0	ug/L			07/08/15 20:41	1
Chloromethane	ND		5.0	1.4	ug/L			07/08/15 20:41	1
cis-1,2-Dichloroethene	ND		5.0	0.67	ug/L			07/08/15 20:41	1
cis-1,3-Dichloropropene	ND		5.0	0.73	ug/L			07/08/15 20:41	1
Dibromochloromethane	ND		5.0	0.65	ug/L			07/08/15 20:41	1
Ethylbenzene	ND		5.0	0.62	ug/L			07/08/15 20:41	1
Methylene Chloride	ND		5.0	1.1	ug/L			07/08/15 20:41	1
Styrene	ND		5.0	0.64	ug/L			07/08/15 20:41	1
Tetrachloroethene	ND		5.0	0.82	ug/L			07/08/15 20:41	1
Toluene	ND		5.0	0.85	ug/L			07/08/15 20:41	1
trans-1,2-Dichloroethene	ND		5.0	0.75	ug/L			07/08/15 20:41	1
trans-1,3-Dichloropropene	ND		5.0	0.58	ug/L			07/08/15 20:41	1
Trichloroethene	ND		5.0	0.80	ug/L			07/08/15 20:41	1
Vinyl acetate	ND		5.0	0.86	ug/L			07/08/15 20:41	1
Vinyl chloride	ND		5.0	1.3	ug/L			07/08/15 20:41	1
Xylenes, Total	ND		10	1.7	ug/L			07/08/15 20:41	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*07/08/15 20:41*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*84*		*62 - 123*		*07/08/15 20:41*	*1*
4-Bromofluorobenzene (Surr)	*93*		*75 - 120*		*07/08/15 20:41*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 120*		*07/08/15 20:41*	*1*
Toluene-d8 (Surr)	*113*		*80 - 120*		*07/08/15 20:41*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45580-1

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

Client Sample ID: LCTRIP-070115-SG
Date Collected: 07/01/15 09:15
Date Received: 07/02/15 09:00

Lab Sample ID: 180-45580-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	1.0	ug/L			07/08/15 12:15	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.93	ug/L			07/08/15 12:15	1
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			07/08/15 12:15	1
1,1-Dichloroethane	ND		5.0	1.0	ug/L			07/08/15 12:15	1
1,1-Dichloroethene	ND		5.0	1.1	ug/L			07/08/15 12:15	1
1,2-Dichloroethane	ND		5.0	0.96	ug/L			07/08/15 12:15	1
1,2-Dichloropropane	ND		5.0	1.3	ug/L			07/08/15 12:15	1
2-Butanone (MEK)	ND		5.0	1.1	ug/L			07/08/15 12:15	1
2-Hexanone	ND		5.0	0.57	ug/L			07/08/15 12:15	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.59	ug/L			07/08/15 12:15	1
Acetone	ND		20	5.0	ug/L			07/08/15 12:15	1
Benzene	ND		5.0	0.99	ug/L			07/08/15 12:15	1
Bromodichloromethane	ND		5.0	0.93	ug/L			07/08/15 12:15	1
Bromoform	ND		5.0	1.1	ug/L			07/08/15 12:15	1
Bromomethane	ND		5.0	1.6	ug/L			07/08/15 12:15	1
Carbon disulfide	ND		5.0	1.1	ug/L			07/08/15 12:15	1
Carbon tetrachloride	ND		5.0	1.1	ug/L			07/08/15 12:15	1
Chlorobenzene	ND		5.0	0.53	ug/L			07/08/15 12:15	1
Chloroethane	ND		5.0	0.75	ug/L			07/08/15 12:15	1
Chloroform	ND		5.0	1.0	ug/L			07/08/15 12:15	1
Chloromethane	ND		5.0	1.4	ug/L			07/08/15 12:15	1
cis-1,2-Dichloroethene	ND		5.0	0.67	ug/L			07/08/15 12:15	1
cis-1,3-Dichloropropene	ND		5.0	0.73	ug/L			07/08/15 12:15	1
Dibromochloromethane	ND		5.0	0.65	ug/L			07/08/15 12:15	1
Ethylbenzene	ND		5.0	0.62	ug/L			07/08/15 12:15	1
Methylene Chloride	ND		5.0	1.1	ug/L			07/08/15 12:15	1
Styrene	ND		5.0	0.64	ug/L			07/08/15 12:15	1
Tetrachloroethene	ND		5.0	0.82	ug/L			07/08/15 12:15	1
Toluene	ND		5.0	0.85	ug/L			07/08/15 12:15	1
trans-1,2-Dichloroethene	ND		5.0	0.75	ug/L			07/08/15 12:15	1
trans-1,3-Dichloropropene	ND		5.0	0.58	ug/L			07/08/15 12:15	1
Trichloroethene	ND		5.0	0.80	ug/L			07/08/15 12:15	1
Vinyl acetate	ND		5.0	0.86	ug/L			07/08/15 12:15	1
Vinyl chloride	ND		5.0	1.3	ug/L			07/08/15 12:15	1
Xylenes, Total	ND		10	1.7	ug/L			07/08/15 12:15	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*07/08/15 12:15*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*76*		*62 - 123*		*07/08/15 12:15*	*1*
4-Bromofluorobenzene (Surr)	*84*		*75 - 120*		*07/08/15 12:15*	*1*
Dibromofluoromethane (Surr)	*94*		*80 - 120*		*07/08/15 12:15*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*07/08/15 12:15*	*1*

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

Client Sample ID: WG-9954-070115-SG-039
Date Collected: 07/01/15 12:35
Date Received: 07/02/15 09:00

Lab Sample ID: 180-45580-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		1.9	0.28	ug/L		07/08/15 09:12	07/17/15 12:25	1
Acenaphthylene	ND		1.9	0.21	ug/L		07/08/15 09:12	07/17/15 12:25	1
Anthracene	ND		1.9	0.18	ug/L		07/08/15 09:12	07/17/15 12:25	1
Benzo[a]anthracene	ND		1.9	0.35	ug/L		07/08/15 09:12	07/17/15 12:25	1
Benzo[b]fluoranthene	ND		1.9	0.47	ug/L		07/08/15 09:12	07/17/15 12:25	1
Benzo[k]fluoranthene	ND		1.9	0.29	ug/L		07/08/15 09:12	07/17/15 12:25	1
Benzoic acid	ND		48	16	ug/L		07/08/15 09:12	07/17/15 12:25	1
Benzo[g,h,i]perylene	ND		1.9	0.28	ug/L		07/08/15 09:12	07/17/15 12:25	1
Benzo[a]pyrene	ND		1.9	0.27	ug/L		07/08/15 09:12	07/17/15 12:25	1
Benzyl alcohol	ND		9.6	1.9	ug/L		07/08/15 09:12	07/17/15 12:25	1
Bis(2-chloroethoxy)methane	ND		9.6	1.3	ug/L		07/08/15 09:12	07/17/15 12:25	1
Bis(2-chloroethyl)ether	ND		9.6	0.30	ug/L		07/08/15 09:12	07/17/15 12:25	1
Bis(2-ethylhexyl) phthalate	ND		19	4.2	ug/L		07/08/15 09:12	07/17/15 12:25	1
4-Bromophenyl phenyl ether	ND		9.6	1.1	ug/L		07/08/15 09:12	07/17/15 12:25	1
Butyl benzyl phthalate	ND		9.6	2.1	ug/L		07/08/15 09:12	07/17/15 12:25	1
4-Chloroaniline	ND		9.6	2.8	ug/L		07/08/15 09:12	07/17/15 12:25	1
4-Chloro-3-methylphenol	ND		9.6	1.6	ug/L		07/08/15 09:12	07/17/15 12:25	1
2-Chloronaphthalene	ND		1.9	0.30	ug/L		07/08/15 09:12	07/17/15 12:25	1
2-Chlorophenol	ND		9.6	2.2	ug/L		07/08/15 09:12	07/17/15 12:25	1
4-Chlorophenyl phenyl ether	ND		9.6	0.77	ug/L		07/08/15 09:12	07/17/15 12:25	1
Chrysene	ND		1.9	0.30	ug/L		07/08/15 09:12	07/17/15 12:25	1
Dibenz(a,h)anthracene	ND		1.9	0.26	ug/L		07/08/15 09:12	07/17/15 12:25	1
Dibenzofuran	ND		9.6	0.93	ug/L		07/08/15 09:12	07/17/15 12:25	1
Di-n-butyl phthalate	ND		9.6	2.3	ug/L		07/08/15 09:12	07/17/15 12:25	1
1,2-Dichlorobenzene	ND		9.6	1.0	ug/L		07/08/15 09:12	07/17/15 12:25	1
1,3-Dichlorobenzene	ND		9.6	0.72	ug/L		07/08/15 09:12	07/17/15 12:25	1
3,3'-Dichlorobenzidine	ND		9.6	1.4	ug/L		07/08/15 09:12	07/17/15 12:25	1
2,4-Dichlorophenol	ND		9.6	0.65	ug/L		07/08/15 09:12	07/17/15 12:25	1
Diethyl phthalate	ND		9.6	2.9	ug/L		07/08/15 09:12	07/17/15 12:25	1
2,4-Dimethylphenol	ND		9.6	1.6	ug/L		07/08/15 09:12	07/17/15 12:25	1
Dimethyl phthalate	ND		9.6	1.8	ug/L		07/08/15 09:12	07/17/15 12:25	1
4,6-Dinitro-2-methylphenol	ND		48	15	ug/L		07/08/15 09:12	07/17/15 12:25	1
2,4-Dinitrophenol	ND		48	24	ug/L		07/08/15 09:12	07/17/15 12:25	1
2,4-Dinitrotoluene	ND		9.6	2.1	ug/L		07/08/15 09:12	07/17/15 12:25	1
2,6-Dinitrotoluene	ND		9.6	1.3	ug/L		07/08/15 09:12	07/17/15 12:25	1
Di-n-octyl phthalate	ND		9.6	2.0	ug/L		07/08/15 09:12	07/17/15 12:25	1
Fluoranthene	ND		1.9	0.20	ug/L		07/08/15 09:12	07/17/15 12:25	1
Fluorene	ND		1.9	0.23	ug/L		07/08/15 09:12	07/17/15 12:25	1
Hexachlorobenzene	ND		9.6	0.59	ug/L		07/08/15 09:12	07/17/15 12:25	1
Hexachlorobutadiene	ND		9.6	0.90	ug/L		07/08/15 09:12	07/17/15 12:25	1
Hexachlorocyclopentadiene	ND		9.6	1.3	ug/L		07/08/15 09:12	07/17/15 12:25	1
Hexachloroethane	ND		9.6	1.3	ug/L		07/08/15 09:12	07/17/15 12:25	1
Indeno[1,2,3-cd]pyrene	ND		1.9	0.42	ug/L		07/08/15 09:12	07/17/15 12:25	1
Isophorone	ND		9.6	0.71	ug/L		07/08/15 09:12	07/17/15 12:25	1
2-Methylnaphthalene	ND		1.9	0.18	ug/L		07/08/15 09:12	07/17/15 12:25	1
2-Methylphenol	ND		9.6	1.8	ug/L		07/08/15 09:12	07/17/15 12:25	1
4-Methylphenol	ND		9.6	2.0	ug/L		07/08/15 09:12	07/17/15 12:25	1
Naphthalene	ND		1.9	0.22	ug/L		07/08/15 09:12	07/17/15 12:25	1
2-Nitroaniline	ND		48	6.5	ug/L		07/08/15 09:12	07/17/15 12:25	1

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

Client Sample ID: WG-9954-070115-SG-039
Date Collected: 07/01/15 12:35
Date Received: 07/02/15 09:00

Lab Sample ID: 180-45580-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		48	7.7	ug/L		07/08/15 09:12	07/17/15 12:25	1
4-Nitroaniline	ND		48	7.4	ug/L		07/08/15 09:12	07/17/15 12:25	1
Nitrobenzene	ND		19	1.4	ug/L		07/08/15 09:12	07/17/15 12:25	1
2-Nitrophenol	ND		9.6	1.1	ug/L		07/08/15 09:12	07/17/15 12:25	1
4-Nitrophenol	ND		48	7.7	ug/L		07/08/15 09:12	07/17/15 12:25	1
N-Nitrosodiphenylamine	ND		9.6	1.2	ug/L		07/08/15 09:12	07/17/15 12:25	1
N-Nitrosodi-n-propylamine	ND		9.6	0.48	ug/L		07/08/15 09:12	07/17/15 12:25	1
Pentachlorophenol	ND		9.6	4.8	ug/L		07/08/15 09:12	07/17/15 12:25	1
Phenanthrene	ND		1.9	0.40	ug/L		07/08/15 09:12	07/17/15 12:25	1
Phenol	ND		9.6	0.53	ug/L		07/08/15 09:12	07/17/15 12:25	1
Pyrene	ND		1.9	0.22	ug/L		07/08/15 09:12	07/17/15 12:25	1
1,2,4-Trichlorobenzene	ND		9.6	0.82	ug/L		07/08/15 09:12	07/17/15 12:25	1
2,4,5-Trichlorophenol	ND		9.6	1.2	ug/L		07/08/15 09:12	07/17/15 12:25	1
2,4,6-Trichlorophenol	ND		9.6	2.9	ug/L		07/08/15 09:12	07/17/15 12:25	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*				*07/08/15 09:12*	*07/17/15 12:25*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*67*		*28 - 106*	*07/08/15 09:12*	*07/17/15 12:25*	*1*
2-Fluorophenol	*66*		*20 - 108*	*07/08/15 09:12*	*07/17/15 12:25*	*1*
2,4,6-Tribromophenol	*50*		*25 - 118*	*07/08/15 09:12*	*07/17/15 12:25*	*1*
Nitrobenzene-d5	*71*		*27 - 110*	*07/08/15 09:12*	*07/17/15 12:25*	*1*
Phenol-d5	*66*		*23 - 111*	*07/08/15 09:12*	*07/17/15 12:25*	*1*
Terphenyl-d14	*75*		*20 - 109*	*07/08/15 09:12*	*07/17/15 12:25*	*1*

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

Client Sample ID: WG-9954-070115-SG-038
Date Collected: 07/01/15 11:00
Date Received: 07/02/15 09:00

Lab Sample ID: 180-45580-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		1.9	0.27	ug/L		07/08/15 09:12	07/17/15 12:53	1
Acenaphthylene	ND		1.9	0.20	ug/L		07/08/15 09:12	07/17/15 12:53	1
Anthracene	ND		1.9	0.18	ug/L		07/08/15 09:12	07/17/15 12:53	1
Benzo[a]anthracene	ND		1.9	0.34	ug/L		07/08/15 09:12	07/17/15 12:53	1
Benzo[b]fluoranthene	ND		1.9	0.45	ug/L		07/08/15 09:12	07/17/15 12:53	1
Benzo[k]fluoranthene	ND		1.9	0.28	ug/L		07/08/15 09:12	07/17/15 12:53	1
Benzoic acid	ND		46	15	ug/L		07/08/15 09:12	07/17/15 12:53	1
Benzo[g,h,i]perylene	ND		1.9	0.27	ug/L		07/08/15 09:12	07/17/15 12:53	1
Benzo[a]pyrene	ND		1.9	0.26	ug/L		07/08/15 09:12	07/17/15 12:53	1
Benzyl alcohol	ND		9.3	1.8	ug/L		07/08/15 09:12	07/17/15 12:53	1
Bis(2-chloroethoxy)methane	ND		9.3	1.2	ug/L		07/08/15 09:12	07/17/15 12:53	1
Bis(2-chloroethyl)ether	ND		9.3	0.29	ug/L		07/08/15 09:12	07/17/15 12:53	1
Bis(2-ethylhexyl) phthalate	ND		19	4.1	ug/L		07/08/15 09:12	07/17/15 12:53	1
4-Bromophenyl phenyl ether	ND		9.3	1.1	ug/L		07/08/15 09:12	07/17/15 12:53	1
Butyl benzyl phthalate	ND		9.3	2.0	ug/L		07/08/15 09:12	07/17/15 12:53	1
4-Chloroaniline	ND		9.3	2.7	ug/L		07/08/15 09:12	07/17/15 12:53	1
4-Chloro-3-methylphenol	ND		9.3	1.6	ug/L		07/08/15 09:12	07/17/15 12:53	1
2-Chloronaphthalene	ND		1.9	0.28	ug/L		07/08/15 09:12	07/17/15 12:53	1
2-Chlorophenol	ND		9.3	2.1	ug/L		07/08/15 09:12	07/17/15 12:53	1
4-Chlorophenyl phenyl ether	ND		9.3	0.74	ug/L		07/08/15 09:12	07/17/15 12:53	1
Chrysene	ND		1.9	0.29	ug/L		07/08/15 09:12	07/17/15 12:53	1
Dibenz(a,h)anthracene	ND		1.9	0.25	ug/L		07/08/15 09:12	07/17/15 12:53	1
Dibenzofuran	ND		9.3	0.89	ug/L		07/08/15 09:12	07/17/15 12:53	1
Di-n-butyl phthalate	ND		9.3	2.2	ug/L		07/08/15 09:12	07/17/15 12:53	1
1,2-Dichlorobenzene	ND		9.3	1.0	ug/L		07/08/15 09:12	07/17/15 12:53	1
1,3-Dichlorobenzene	ND		9.3	0.70	ug/L		07/08/15 09:12	07/17/15 12:53	1
3,3'-Dichlorobenzidine	ND		9.3	1.4	ug/L		07/08/15 09:12	07/17/15 12:53	1
2,4-Dichlorophenol	ND		9.3	0.62	ug/L		07/08/15 09:12	07/17/15 12:53	1
Diethyl phthalate	ND		9.3	2.7	ug/L		07/08/15 09:12	07/17/15 12:53	1
2,4-Dimethylphenol	ND		9.3	1.6	ug/L		07/08/15 09:12	07/17/15 12:53	1
Dimethyl phthalate	ND		9.3	1.7	ug/L		07/08/15 09:12	07/17/15 12:53	1
4,6-Dinitro-2-methylphenol	ND		46	14	ug/L		07/08/15 09:12	07/17/15 12:53	1
2,4-Dinitrophenol	ND		46	23	ug/L		07/08/15 09:12	07/17/15 12:53	1
2,4-Dinitrotoluene	ND		9.3	2.0	ug/L		07/08/15 09:12	07/17/15 12:53	1
2,6-Dinitrotoluene	ND		9.3	1.3	ug/L		07/08/15 09:12	07/17/15 12:53	1
Di-n-octyl phthalate	ND		9.3	1.9	ug/L		07/08/15 09:12	07/17/15 12:53	1
Fluoranthene	ND		1.9	0.20	ug/L		07/08/15 09:12	07/17/15 12:53	1
Fluorene	ND		1.9	0.22	ug/L		07/08/15 09:12	07/17/15 12:53	1
Hexachlorobenzene	ND		9.3	0.56	ug/L		07/08/15 09:12	07/17/15 12:53	1
Hexachlorobutadiene	ND		9.3	0.87	ug/L		07/08/15 09:12	07/17/15 12:53	1
Hexachlorocyclopentadiene	ND		9.3	1.3	ug/L		07/08/15 09:12	07/17/15 12:53	1
Hexachloroethane	ND		9.3	1.3	ug/L		07/08/15 09:12	07/17/15 12:53	1
Indeno[1,2,3-cd]pyrene	ND		1.9	0.40	ug/L		07/08/15 09:12	07/17/15 12:53	1
Isophorone	ND		9.3	0.68	ug/L		07/08/15 09:12	07/17/15 12:53	1
2-Methylnaphthalene	ND		1.9	0.18	ug/L		07/08/15 09:12	07/17/15 12:53	1
2-Methylphenol	ND		9.3	1.7	ug/L		07/08/15 09:12	07/17/15 12:53	1
4-Methylphenol	ND		9.3	1.9	ug/L		07/08/15 09:12	07/17/15 12:53	1
Naphthalene	ND		1.9	0.21	ug/L		07/08/15 09:12	07/17/15 12:53	1
2-Nitroaniline	ND		46	6.2	ug/L		07/08/15 09:12	07/17/15 12:53	1

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

Client Sample ID: WG-9954-070115-SG-038
Date Collected: 07/01/15 11:00
Date Received: 07/02/15 09:00

Lab Sample ID: 180-45580-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		46	7.5	ug/L		07/08/15 09:12	07/17/15 12:53	1
4-Nitroaniline	ND		46	7.2	ug/L		07/08/15 09:12	07/17/15 12:53	1
Nitrobenzene	ND		19	1.4	ug/L		07/08/15 09:12	07/17/15 12:53	1
2-Nitrophenol	ND		9.3	1.0	ug/L		07/08/15 09:12	07/17/15 12:53	1
4-Nitrophenol	ND		46	7.4	ug/L		07/08/15 09:12	07/17/15 12:53	1
N-Nitrosodiphenylamine	ND		9.3	1.1	ug/L		07/08/15 09:12	07/17/15 12:53	1
N-Nitrosodi-n-propylamine	ND		9.3	0.46	ug/L		07/08/15 09:12	07/17/15 12:53	1
Pentachlorophenol	ND		9.3	4.6	ug/L		07/08/15 09:12	07/17/15 12:53	1
Phenanthrene	ND		1.9	0.38	ug/L		07/08/15 09:12	07/17/15 12:53	1
Phenol	ND		9.3	0.51	ug/L		07/08/15 09:12	07/17/15 12:53	1
Pyrene	ND		1.9	0.21	ug/L		07/08/15 09:12	07/17/15 12:53	1
1,2,4-Trichlorobenzene	ND		9.3	0.79	ug/L		07/08/15 09:12	07/17/15 12:53	1
2,4,5-Trichlorophenol	ND		9.3	1.1	ug/L		07/08/15 09:12	07/17/15 12:53	1
2,4,6-Trichlorophenol	ND		9.3	2.8	ug/L		07/08/15 09:12	07/17/15 12:53	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*				*07/08/15 09:12*	*07/17/15 12:53*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*28 - 106*	*07/08/15 09:12*	*07/17/15 12:53*	*1*
2-Fluorophenol	*67*		*20 - 108*	*07/08/15 09:12*	*07/17/15 12:53*	*1*
2,4,6-Tribromophenol	*42*		*25 - 118*	*07/08/15 09:12*	*07/17/15 12:53*	*1*
Nitrobenzene-d5	*74*		*27 - 110*	*07/08/15 09:12*	*07/17/15 12:53*	*1*
Phenol-d5	*69*		*23 - 111*	*07/08/15 09:12*	*07/17/15 12:53*	*1*
Terphenyl-d14	*77*		*20 - 109*	*07/08/15 09:12*	*07/17/15 12:53*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45580-1

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

Client Sample ID: WG-9954-070115-SG-040
Date Collected: 07/01/15 13:40
Date Received: 07/02/15 09:00

Lab Sample ID: 180-45580-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		1.9	0.27	ug/L		07/08/15 09:12	07/17/15 13:20	1
Acenaphthylene	ND		1.9	0.20	ug/L		07/08/15 09:12	07/17/15 13:20	1
Anthracene	ND		1.9	0.18	ug/L		07/08/15 09:12	07/17/15 13:20	1
Benzo[a]anthracene	ND		1.9	0.34	ug/L		07/08/15 09:12	07/17/15 13:20	1
Benzo[b]fluoranthene	ND		1.9	0.45	ug/L		07/08/15 09:12	07/17/15 13:20	1
Benzo[k]fluoranthene	ND		1.9	0.28	ug/L		07/08/15 09:12	07/17/15 13:20	1
Benzoic acid	ND		46	15	ug/L		07/08/15 09:12	07/17/15 13:20	1
Benzo[g,h,i]perylene	ND		1.9	0.27	ug/L		07/08/15 09:12	07/17/15 13:20	1
Benzo[a]pyrene	ND		1.9	0.26	ug/L		07/08/15 09:12	07/17/15 13:20	1
Benzyl alcohol	ND		9.3	1.8	ug/L		07/08/15 09:12	07/17/15 13:20	1
Bis(2-chloroethoxy)methane	ND		9.3	1.2	ug/L		07/08/15 09:12	07/17/15 13:20	1
Bis(2-chloroethyl)ether	ND		9.3	0.29	ug/L		07/08/15 09:12	07/17/15 13:20	1
Bis(2-ethylhexyl) phthalate	ND		19	4.1	ug/L		07/08/15 09:12	07/17/15 13:20	1
4-Bromophenyl phenyl ether	ND		9.3	1.1	ug/L		07/08/15 09:12	07/17/15 13:20	1
Butyl benzyl phthalate	ND		9.3	2.0	ug/L		07/08/15 09:12	07/17/15 13:20	1
4-Chloroaniline	ND		9.3	2.7	ug/L		07/08/15 09:12	07/17/15 13:20	1
4-Chloro-3-methylphenol	ND		9.3	1.6	ug/L		07/08/15 09:12	07/17/15 13:20	1
2-Chloronaphthalene	ND		1.9	0.28	ug/L		07/08/15 09:12	07/17/15 13:20	1
2-Chlorophenol	ND		9.3	2.1	ug/L		07/08/15 09:12	07/17/15 13:20	1
4-Chlorophenyl phenyl ether	ND		9.3	0.74	ug/L		07/08/15 09:12	07/17/15 13:20	1
Chrysene	ND		1.9	0.29	ug/L		07/08/15 09:12	07/17/15 13:20	1
Dibenz(a,h)anthracene	ND		1.9	0.25	ug/L		07/08/15 09:12	07/17/15 13:20	1
Dibenzofuran	ND		9.3	0.89	ug/L		07/08/15 09:12	07/17/15 13:20	1
Di-n-butyl phthalate	ND		9.3	2.2	ug/L		07/08/15 09:12	07/17/15 13:20	1
1,2-Dichlorobenzene	ND		9.3	1.0	ug/L		07/08/15 09:12	07/17/15 13:20	1
1,3-Dichlorobenzene	ND		9.3	0.70	ug/L		07/08/15 09:12	07/17/15 13:20	1
3,3'-Dichlorobenzidine	ND		9.3	1.4	ug/L		07/08/15 09:12	07/17/15 13:20	1
2,4-Dichlorophenol	ND		9.3	0.62	ug/L		07/08/15 09:12	07/17/15 13:20	1
Diethyl phthalate	ND		9.3	2.7	ug/L		07/08/15 09:12	07/17/15 13:20	1
2,4-Dimethylphenol	ND		9.3	1.6	ug/L		07/08/15 09:12	07/17/15 13:20	1
Dimethyl phthalate	ND		9.3	1.7	ug/L		07/08/15 09:12	07/17/15 13:20	1
4,6-Dinitro-2-methylphenol	ND		46	14	ug/L		07/08/15 09:12	07/17/15 13:20	1
2,4-Dinitrophenol	ND		46	23	ug/L		07/08/15 09:12	07/17/15 13:20	1
2,4-Dinitrotoluene	ND		9.3	2.0	ug/L		07/08/15 09:12	07/17/15 13:20	1
2,6-Dinitrotoluene	ND		9.3	1.3	ug/L		07/08/15 09:12	07/17/15 13:20	1
Di-n-octyl phthalate	ND		9.3	1.9	ug/L		07/08/15 09:12	07/17/15 13:20	1
Fluoranthene	ND		1.9	0.20	ug/L		07/08/15 09:12	07/17/15 13:20	1
Fluorene	ND		1.9	0.22	ug/L		07/08/15 09:12	07/17/15 13:20	1
Hexachlorobenzene	ND		9.3	0.56	ug/L		07/08/15 09:12	07/17/15 13:20	1
Hexachlorobutadiene	ND		9.3	0.87	ug/L		07/08/15 09:12	07/17/15 13:20	1
Hexachlorocyclopentadiene	ND		9.3	1.3	ug/L		07/08/15 09:12	07/17/15 13:20	1
Hexachloroethane	ND		9.3	1.3	ug/L		07/08/15 09:12	07/17/15 13:20	1
Indeno[1,2,3-cd]pyrene	ND		1.9	0.40	ug/L		07/08/15 09:12	07/17/15 13:20	1
Isophorone	ND		9.3	0.68	ug/L		07/08/15 09:12	07/17/15 13:20	1
2-Methylnaphthalene	ND		1.9	0.18	ug/L		07/08/15 09:12	07/17/15 13:20	1
2-Methylphenol	ND		9.3	1.7	ug/L		07/08/15 09:12	07/17/15 13:20	1
4-Methylphenol	ND		9.3	1.9	ug/L		07/08/15 09:12	07/17/15 13:20	1
Naphthalene	ND		1.9	0.21	ug/L		07/08/15 09:12	07/17/15 13:20	1
2-Nitroaniline	ND		46	6.2	ug/L		07/08/15 09:12	07/17/15 13:20	1

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

Client Sample ID: WG-9954-070115-SG-040
Date Collected: 07/01/15 13:40
Date Received: 07/02/15 09:00

Lab Sample ID: 180-45580-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		46	7.5	ug/L		07/08/15 09:12	07/17/15 13:20	1
4-Nitroaniline	ND		46	7.2	ug/L		07/08/15 09:12	07/17/15 13:20	1
Nitrobenzene	ND		19	1.4	ug/L		07/08/15 09:12	07/17/15 13:20	1
2-Nitrophenol	ND		9.3	1.0	ug/L		07/08/15 09:12	07/17/15 13:20	1
4-Nitrophenol	ND		46	7.4	ug/L		07/08/15 09:12	07/17/15 13:20	1
N-Nitrosodiphenylamine	ND		9.3	1.1	ug/L		07/08/15 09:12	07/17/15 13:20	1
N-Nitrosodi-n-propylamine	ND		9.3	0.46	ug/L		07/08/15 09:12	07/17/15 13:20	1
Pentachlorophenol	ND		9.3	4.6	ug/L		07/08/15 09:12	07/17/15 13:20	1
Phenanthrene	ND		1.9	0.38	ug/L		07/08/15 09:12	07/17/15 13:20	1
Phenol	ND		9.3	0.51	ug/L		07/08/15 09:12	07/17/15 13:20	1
Pyrene	ND		1.9	0.21	ug/L		07/08/15 09:12	07/17/15 13:20	1
1,2,4-Trichlorobenzene	ND		9.3	0.79	ug/L		07/08/15 09:12	07/17/15 13:20	1
2,4,5-Trichlorophenol	ND		9.3	1.1	ug/L		07/08/15 09:12	07/17/15 13:20	1
2,4,6-Trichlorophenol	ND		9.3	2.8	ug/L		07/08/15 09:12	07/17/15 13:20	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*				*07/08/15 09:12*	*07/17/15 13:20*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*72*		*28 - 106*	*07/08/15 09:12*	*07/17/15 13:20*	*1*
2-Fluorophenol	*70*		*20 - 108*	*07/08/15 09:12*	*07/17/15 13:20*	*1*
2,4,6-Tribromophenol	*43*		*25 - 118*	*07/08/15 09:12*	*07/17/15 13:20*	*1*
Nitrobenzene-d5	*76*		*27 - 110*	*07/08/15 09:12*	*07/17/15 13:20*	*1*
Phenol-d5	*72*		*23 - 111*	*07/08/15 09:12*	*07/17/15 13:20*	*1*
Terphenyl-d14	*83*		*20 - 109*	*07/08/15 09:12*	*07/17/15 13:20*	*1*

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

Client Sample ID: WG-9954-070115-SG-037
Date Collected: 07/01/15 10:05
Date Received: 07/02/15 09:00

Lab Sample ID: 180-45580-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		1.9	0.27	ug/L		07/08/15 09:12	07/17/15 13:48	1
Acenaphthylene	ND		1.9	0.20	ug/L		07/08/15 09:12	07/17/15 13:48	1
Anthracene	ND		1.9	0.18	ug/L		07/08/15 09:12	07/17/15 13:48	1
Benzo[a]anthracene	ND		1.9	0.34	ug/L		07/08/15 09:12	07/17/15 13:48	1
Benzo[b]fluoranthene	ND		1.9	0.45	ug/L		07/08/15 09:12	07/17/15 13:48	1
Benzo[k]fluoranthene	ND		1.9	0.28	ug/L		07/08/15 09:12	07/17/15 13:48	1
Benzoic acid	ND		46	15	ug/L		07/08/15 09:12	07/17/15 13:48	1
Benzo[g,h,i]perylene	ND		1.9	0.27	ug/L		07/08/15 09:12	07/17/15 13:48	1
Benzo[a]pyrene	ND		1.9	0.26	ug/L		07/08/15 09:12	07/17/15 13:48	1
Benzyl alcohol	ND		9.3	1.8	ug/L		07/08/15 09:12	07/17/15 13:48	1
Bis(2-chloroethoxy)methane	ND		9.3	1.2	ug/L		07/08/15 09:12	07/17/15 13:48	1
Bis(2-chloroethyl)ether	ND		9.3	0.29	ug/L		07/08/15 09:12	07/17/15 13:48	1
Bis(2-ethylhexyl) phthalate	ND		19	4.1	ug/L		07/08/15 09:12	07/17/15 13:48	1
4-Bromophenyl phenyl ether	ND		9.3	1.1	ug/L		07/08/15 09:12	07/17/15 13:48	1
Butyl benzyl phthalate	ND		9.3	2.0	ug/L		07/08/15 09:12	07/17/15 13:48	1
4-Chloroaniline	ND		9.3	2.7	ug/L		07/08/15 09:12	07/17/15 13:48	1
4-Chloro-3-methylphenol	ND		9.3	1.6	ug/L		07/08/15 09:12	07/17/15 13:48	1
2-Chloronaphthalene	ND		1.9	0.28	ug/L		07/08/15 09:12	07/17/15 13:48	1
2-Chlorophenol	ND		9.3	2.1	ug/L		07/08/15 09:12	07/17/15 13:48	1
4-Chlorophenyl phenyl ether	ND		9.3	0.74	ug/L		07/08/15 09:12	07/17/15 13:48	1
Chrysene	ND		1.9	0.29	ug/L		07/08/15 09:12	07/17/15 13:48	1
Dibenz(a,h)anthracene	ND		1.9	0.25	ug/L		07/08/15 09:12	07/17/15 13:48	1
Dibenzofuran	ND		9.3	0.89	ug/L		07/08/15 09:12	07/17/15 13:48	1
Di-n-butyl phthalate	ND		9.3	2.2	ug/L		07/08/15 09:12	07/17/15 13:48	1
1,2-Dichlorobenzene	ND		9.3	1.0	ug/L		07/08/15 09:12	07/17/15 13:48	1
1,3-Dichlorobenzene	ND		9.3	0.70	ug/L		07/08/15 09:12	07/17/15 13:48	1
3,3'-Dichlorobenzidine	ND		9.3	1.4	ug/L		07/08/15 09:12	07/17/15 13:48	1
2,4-Dichlorophenol	ND		9.3	0.62	ug/L		07/08/15 09:12	07/17/15 13:48	1
Diethyl phthalate	ND		9.3	2.7	ug/L		07/08/15 09:12	07/17/15 13:48	1
2,4-Dimethylphenol	ND		9.3	1.6	ug/L		07/08/15 09:12	07/17/15 13:48	1
Dimethyl phthalate	ND		9.3	1.7	ug/L		07/08/15 09:12	07/17/15 13:48	1
4,6-Dinitro-2-methylphenol	ND		46	14	ug/L		07/08/15 09:12	07/17/15 13:48	1
2,4-Dinitrophenol	ND		46	23	ug/L		07/08/15 09:12	07/17/15 13:48	1
2,4-Dinitrotoluene	ND		9.3	2.0	ug/L		07/08/15 09:12	07/17/15 13:48	1
2,6-Dinitrotoluene	ND		9.3	1.3	ug/L		07/08/15 09:12	07/17/15 13:48	1
Di-n-octyl phthalate	ND		9.3	1.9	ug/L		07/08/15 09:12	07/17/15 13:48	1
Fluoranthene	ND		1.9	0.20	ug/L		07/08/15 09:12	07/17/15 13:48	1
Fluorene	ND		1.9	0.22	ug/L		07/08/15 09:12	07/17/15 13:48	1
Hexachlorobenzene	ND		9.3	0.56	ug/L		07/08/15 09:12	07/17/15 13:48	1
Hexachlorobutadiene	ND		9.3	0.87	ug/L		07/08/15 09:12	07/17/15 13:48	1
Hexachlorocyclopentadiene	ND		9.3	1.3	ug/L		07/08/15 09:12	07/17/15 13:48	1
Hexachloroethane	ND		9.3	1.3	ug/L		07/08/15 09:12	07/17/15 13:48	1
Indeno[1,2,3-cd]pyrene	ND		1.9	0.40	ug/L		07/08/15 09:12	07/17/15 13:48	1
Isophorone	ND		9.3	0.68	ug/L		07/08/15 09:12	07/17/15 13:48	1
2-Methylnaphthalene	ND		1.9	0.18	ug/L		07/08/15 09:12	07/17/15 13:48	1
2-Methylphenol	ND		9.3	1.7	ug/L		07/08/15 09:12	07/17/15 13:48	1
4-Methylphenol	ND		9.3	1.9	ug/L		07/08/15 09:12	07/17/15 13:48	1
Naphthalene	ND		1.9	0.21	ug/L		07/08/15 09:12	07/17/15 13:48	1
2-Nitroaniline	ND		46	6.2	ug/L		07/08/15 09:12	07/17/15 13:48	1

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

Client Sample ID: WG-9954-070115-SG-037
Date Collected: 07/01/15 10:05
Date Received: 07/02/15 09:00

Lab Sample ID: 180-45580-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		46	7.5	ug/L		07/08/15 09:12	07/17/15 13:48	1
4-Nitroaniline	ND		46	7.2	ug/L		07/08/15 09:12	07/17/15 13:48	1
Nitrobenzene	ND		19	1.4	ug/L		07/08/15 09:12	07/17/15 13:48	1
2-Nitrophenol	ND		9.3	1.0	ug/L		07/08/15 09:12	07/17/15 13:48	1
4-Nitrophenol	ND		46	7.4	ug/L		07/08/15 09:12	07/17/15 13:48	1
N-Nitrosodiphenylamine	ND		9.3	1.1	ug/L		07/08/15 09:12	07/17/15 13:48	1
N-Nitrosodi-n-propylamine	ND		9.3	0.46	ug/L		07/08/15 09:12	07/17/15 13:48	1
Pentachlorophenol	ND		9.3	4.6	ug/L		07/08/15 09:12	07/17/15 13:48	1
Phenanthrene	ND		1.9	0.38	ug/L		07/08/15 09:12	07/17/15 13:48	1
Phenol	ND		9.3	0.51	ug/L		07/08/15 09:12	07/17/15 13:48	1
Pyrene	ND		1.9	0.21	ug/L		07/08/15 09:12	07/17/15 13:48	1
1,2,4-Trichlorobenzene	ND		9.3	0.79	ug/L		07/08/15 09:12	07/17/15 13:48	1
2,4,5-Trichlorophenol	ND		9.3	1.1	ug/L		07/08/15 09:12	07/17/15 13:48	1
2,4,6-Trichlorophenol	ND		9.3	2.8	ug/L		07/08/15 09:12	07/17/15 13:48	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*				*07/08/15 09:12*	*07/17/15 13:48*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*70*		*28 - 106*	*07/08/15 09:12*	*07/17/15 13:48*	*1*
2-Fluorophenol	*68*		*20 - 108*	*07/08/15 09:12*	*07/17/15 13:48*	*1*
2,4,6-Tribromophenol	*34*		*25 - 118*	*07/08/15 09:12*	*07/17/15 13:48*	*1*
Nitrobenzene-d5	*74*		*27 - 110*	*07/08/15 09:12*	*07/17/15 13:48*	*1*
Phenol-d5	*69*		*23 - 111*	*07/08/15 09:12*	*07/17/15 13:48*	*1*
Terphenyl-d14	*73*		*20 - 109*	*07/08/15 09:12*	*07/17/15 13:48*	*1*

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

Client Sample ID: WG-9954-070115-SG-036
Date Collected: 07/01/15 09:15
Date Received: 07/02/15 09:00

Lab Sample ID: 180-45580-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		1.9	0.27	ug/L		07/08/15 09:12	07/17/15 15:11	1
Acenaphthylene	ND		1.9	0.20	ug/L		07/08/15 09:12	07/17/15 15:11	1
Anthracene	ND		1.9	0.18	ug/L		07/08/15 09:12	07/17/15 15:11	1
Benzo[a]anthracene	ND		1.9	0.34	ug/L		07/08/15 09:12	07/17/15 15:11	1
Benzo[b]fluoranthene	ND		1.9	0.45	ug/L		07/08/15 09:12	07/17/15 15:11	1
Benzo[k]fluoranthene	ND		1.9	0.28	ug/L		07/08/15 09:12	07/17/15 15:11	1
Benzoic acid	ND		46	15	ug/L		07/08/15 09:12	07/17/15 15:11	1
Benzo[g,h,i]perylene	ND		1.9	0.27	ug/L		07/08/15 09:12	07/17/15 15:11	1
Benzo[a]pyrene	ND		1.9	0.26	ug/L		07/08/15 09:12	07/17/15 15:11	1
Benzyl alcohol	ND		9.3	1.8	ug/L		07/08/15 09:12	07/17/15 15:11	1
Bis(2-chloroethoxy)methane	ND		9.3	1.2	ug/L		07/08/15 09:12	07/17/15 15:11	1
Bis(2-chloroethyl)ether	ND		9.3	0.29	ug/L		07/08/15 09:12	07/17/15 15:11	1
Bis(2-ethylhexyl) phthalate	ND		19	4.1	ug/L		07/08/15 09:12	07/17/15 15:11	1
4-Bromophenyl phenyl ether	ND		9.3	1.1	ug/L		07/08/15 09:12	07/17/15 15:11	1
Butyl benzyl phthalate	ND		9.3	2.0	ug/L		07/08/15 09:12	07/17/15 15:11	1
4-Chloroaniline	ND		9.3	2.7	ug/L		07/08/15 09:12	07/17/15 15:11	1
4-Chloro-3-methylphenol	ND		9.3	1.6	ug/L		07/08/15 09:12	07/17/15 15:11	1
2-Chloronaphthalene	ND		1.9	0.28	ug/L		07/08/15 09:12	07/17/15 15:11	1
2-Chlorophenol	ND		9.3	2.1	ug/L		07/08/15 09:12	07/17/15 15:11	1
4-Chlorophenyl phenyl ether	ND		9.3	0.74	ug/L		07/08/15 09:12	07/17/15 15:11	1
Chrysene	ND		1.9	0.29	ug/L		07/08/15 09:12	07/17/15 15:11	1
Dibenz(a,h)anthracene	ND		1.9	0.25	ug/L		07/08/15 09:12	07/17/15 15:11	1
Dibenzofuran	ND		9.3	0.89	ug/L		07/08/15 09:12	07/17/15 15:11	1
Di-n-butyl phthalate	ND		9.3	2.2	ug/L		07/08/15 09:12	07/17/15 15:11	1
1,2-Dichlorobenzene	ND		9.3	1.0	ug/L		07/08/15 09:12	07/17/15 15:11	1
1,3-Dichlorobenzene	ND		9.3	0.70	ug/L		07/08/15 09:12	07/17/15 15:11	1
3,3'-Dichlorobenzidine	ND		9.3	1.4	ug/L		07/08/15 09:12	07/17/15 15:11	1
2,4-Dichlorophenol	ND		9.3	0.62	ug/L		07/08/15 09:12	07/17/15 15:11	1
Diethyl phthalate	ND		9.3	2.7	ug/L		07/08/15 09:12	07/17/15 15:11	1
2,4-Dimethylphenol	ND		9.3	1.6	ug/L		07/08/15 09:12	07/17/15 15:11	1
Dimethyl phthalate	ND		9.3	1.7	ug/L		07/08/15 09:12	07/17/15 15:11	1
4,6-Dinitro-2-methylphenol	ND		46	14	ug/L		07/08/15 09:12	07/17/15 15:11	1
2,4-Dinitrophenol	ND		46	23	ug/L		07/08/15 09:12	07/17/15 15:11	1
2,4-Dinitrotoluene	ND		9.3	2.0	ug/L		07/08/15 09:12	07/17/15 15:11	1
2,6-Dinitrotoluene	ND		9.3	1.3	ug/L		07/08/15 09:12	07/17/15 15:11	1
Di-n-octyl phthalate	ND		9.3	1.9	ug/L		07/08/15 09:12	07/17/15 15:11	1
Fluoranthene	ND		1.9	0.20	ug/L		07/08/15 09:12	07/17/15 15:11	1
Fluorene	ND		1.9	0.22	ug/L		07/08/15 09:12	07/17/15 15:11	1
Hexachlorobenzene	ND		9.3	0.56	ug/L		07/08/15 09:12	07/17/15 15:11	1
Hexachlorobutadiene	ND		9.3	0.87	ug/L		07/08/15 09:12	07/17/15 15:11	1
Hexachlorocyclopentadiene	ND		9.3	1.3	ug/L		07/08/15 09:12	07/17/15 15:11	1
Hexachloroethane	ND		9.3	1.3	ug/L		07/08/15 09:12	07/17/15 15:11	1
Indeno[1,2,3-cd]pyrene	ND		1.9	0.40	ug/L		07/08/15 09:12	07/17/15 15:11	1
Isophorone	ND		9.3	0.68	ug/L		07/08/15 09:12	07/17/15 15:11	1
2-Methylnaphthalene	ND		1.9	0.18	ug/L		07/08/15 09:12	07/17/15 15:11	1
2-Methylphenol	ND		9.3	1.7	ug/L		07/08/15 09:12	07/17/15 15:11	1
4-Methylphenol	ND		9.3	1.9	ug/L		07/08/15 09:12	07/17/15 15:11	1
Naphthalene	ND		1.9	0.21	ug/L		07/08/15 09:12	07/17/15 15:11	1
2-Nitroaniline	ND		46	6.2	ug/L		07/08/15 09:12	07/17/15 15:11	1

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

Client Sample ID: WG-9954-070115-SG-036
Date Collected: 07/01/15 09:15
Date Received: 07/02/15 09:00

Lab Sample ID: 180-45580-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		46	7.5	ug/L		07/08/15 09:12	07/17/15 15:11	1
4-Nitroaniline	ND		46	7.2	ug/L		07/08/15 09:12	07/17/15 15:11	1
Nitrobenzene	ND		19	1.4	ug/L		07/08/15 09:12	07/17/15 15:11	1
2-Nitrophenol	ND		9.3	1.0	ug/L		07/08/15 09:12	07/17/15 15:11	1
4-Nitrophenol	ND		46	7.4	ug/L		07/08/15 09:12	07/17/15 15:11	1
N-Nitrosodiphenylamine	ND		9.3	1.1	ug/L		07/08/15 09:12	07/17/15 15:11	1
N-Nitrosodi-n-propylamine	ND		9.3	0.46	ug/L		07/08/15 09:12	07/17/15 15:11	1
Pentachlorophenol	ND		9.3	4.6	ug/L		07/08/15 09:12	07/17/15 15:11	1
Phenanthrene	ND		1.9	0.38	ug/L		07/08/15 09:12	07/17/15 15:11	1
Phenol	ND		9.3	0.51	ug/L		07/08/15 09:12	07/17/15 15:11	1
Pyrene	ND		1.9	0.21	ug/L		07/08/15 09:12	07/17/15 15:11	1
1,2,4-Trichlorobenzene	ND		9.3	0.79	ug/L		07/08/15 09:12	07/17/15 15:11	1
2,4,5-Trichlorophenol	ND		9.3	1.1	ug/L		07/08/15 09:12	07/17/15 15:11	1
2,4,6-Trichlorophenol	ND		9.3	2.8	ug/L		07/08/15 09:12	07/17/15 15:11	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*9.5*	*T J*	*ug/L*		*10.61*		*07/08/15 09:12*	*07/17/15 15:11*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*75*		*28 - 106*	*07/08/15 09:12*	*07/17/15 15:11*	*1*
2-Fluorophenol	*74*		*20 - 108*	*07/08/15 09:12*	*07/17/15 15:11*	*1*
2,4,6-Tribromophenol	*54*		*25 - 118*	*07/08/15 09:12*	*07/17/15 15:11*	*1*
Nitrobenzene-d5	*81*		*27 - 110*	*07/08/15 09:12*	*07/17/15 15:11*	*1*
Phenol-d5	*73*		*23 - 111*	*07/08/15 09:12*	*07/17/15 15:11*	*1*
Terphenyl-d14	*78*		*20 - 109*	*07/08/15 09:12*	*07/17/15 15:11*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45580-1

Method: 8081B - Organochlorine Pesticides (GC)

Client Sample ID: WG-9954-070115-SG-039
Date Collected: 07/01/15 12:35
Date Received: 07/02/15 09:00

Lab Sample ID: 180-45580-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.026	0.017	ug/L		07/02/15 15:00	07/09/15 12:54	1
alpha-BHC	ND		0.026	0.014	ug/L		07/02/15 15:00	07/09/15 12:54	1
beta-BHC	**0.034**	**p**	0.026	0.021	ug/L		07/02/15 15:00	07/09/15 12:54	1
delta-BHC	**0.035**	**p**	0.026	0.0091	ug/L		07/02/15 15:00	07/09/15 12:54	1
gamma-BHC (Lindane)	ND		0.026	0.017	ug/L		07/02/15 15:00	07/09/15 12:54	1
alpha-Chlordane	ND		0.026	0.020	ug/L		07/02/15 15:00	07/09/15 12:54	1
gamma-Chlordane	ND		0.026	0.020	ug/L		07/02/15 15:00	07/09/15 12:54	1
4,4'-DDD	**0.017**	**J p**	0.026	0.014	ug/L		07/02/15 15:00	07/09/15 12:54	1
4,4'-DDE	ND		0.026	0.017	ug/L		07/02/15 15:00	07/09/15 12:54	1
4,4'-DDT	**0.030**		0.026	0.015	ug/L		07/02/15 15:00	07/09/15 12:54	1
Dieldrin	ND		0.026	0.017	ug/L		07/02/15 15:00	07/09/15 12:54	1
Endosulfan I	ND		0.026	0.020	ug/L		07/02/15 15:00	07/09/15 12:54	1
Endosulfan II	**0.054**	**p**	0.026	0.020	ug/L		07/02/15 15:00	07/09/15 12:54	1
Endosulfan sulfate	**0.043**	**p**	0.026	0.012	ug/L		07/02/15 15:00	07/09/15 12:54	1
Endrin	**0.021**	**J p**	0.026	0.020	ug/L		07/02/15 15:00	07/09/15 12:54	1
Endrin ketone	ND		0.026	0.019	ug/L		07/02/15 15:00	07/09/15 12:54	1
Heptachlor	ND		0.026	0.021	ug/L		07/02/15 15:00	07/09/15 12:54	1
Heptachlor epoxide	ND		0.026	0.020	ug/L		07/02/15 15:00	07/09/15 12:54	1
Methoxychlor	**0.11**		0.052	0.019	ug/L		07/02/15 15:00	07/09/15 12:54	1
Toxaphene	ND		2.1	0.39	ug/L		07/02/15 15:00	07/09/15 12:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*93*		*45 - 130*	*07/02/15 15:00*	*07/09/15 12:54*	*1*
Tetrachloro-m-xylene	*90*		*45 - 130*	*07/02/15 15:00*	*07/09/15 12:54*	*1*
DCB Decachlorobiphenyl (Surr)	*80*		*45 - 130*	*07/02/15 15:00*	*07/09/15 12:54*	*1*
DCB Decachlorobiphenyl (Surr)	*86*		*45 - 130*	*07/02/15 15:00*	*07/09/15 12:54*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45580-1

Method: 8081B - Organochlorine Pesticides (GC)

Client Sample ID: WG-9954-070115-SG-038
Date Collected: 07/01/15 11:00
Date Received: 07/02/15 09:00

Lab Sample ID: 180-45580-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.026	0.017	ug/L		07/02/15 15:00	07/09/15 13:10	1
alpha-BHC	ND		0.026	0.014	ug/L		07/02/15 15:00	07/09/15 13:10	1
beta-BHC	ND		0.026	0.021	ug/L		07/02/15 15:00	07/09/15 13:10	1
delta-BHC	**0.035**		0.026	0.0091	ug/L		07/02/15 15:00	07/09/15 13:10	1
gamma-BHC (Lindane)	ND		0.026	0.017	ug/L		07/02/15 15:00	07/09/15 13:10	1
alpha-Chlordane	ND		0.026	0.020	ug/L		07/02/15 15:00	07/09/15 13:10	1
gamma-Chlordane	ND		0.026	0.020	ug/L		07/02/15 15:00	07/09/15 13:10	1
4,4'-DDD	ND		0.026	0.014	ug/L		07/02/15 15:00	07/09/15 13:10	1
4,4'-DDE	ND		0.026	0.017	ug/L		07/02/15 15:00	07/09/15 13:10	1
4,4'-DDT	**0.017**	**J p**	0.026	0.015	ug/L		07/02/15 15:00	07/09/15 13:10	1
Dieldrin	ND		0.026	0.017	ug/L		07/02/15 15:00	07/09/15 13:10	1
Endosulfan I	ND		0.026	0.020	ug/L		07/02/15 15:00	07/09/15 13:10	1
Endosulfan II	ND		0.026	0.020	ug/L		07/02/15 15:00	07/09/15 13:10	1
Endosulfan sulfate	ND		0.026	0.012	ug/L		07/02/15 15:00	07/09/15 13:10	1
Endrin	ND		0.026	0.020	ug/L		07/02/15 15:00	07/09/15 13:10	1
Endrin ketone	ND		0.026	0.019	ug/L		07/02/15 15:00	07/09/15 13:10	1
Heptachlor	ND		0.026	0.021	ug/L		07/02/15 15:00	07/09/15 13:10	1
Heptachlor epoxide	ND		0.026	0.020	ug/L		07/02/15 15:00	07/09/15 13:10	1
Methoxychlor	ND		0.052	0.019	ug/L		07/02/15 15:00	07/09/15 13:10	1
Toxaphene	ND		2.1	0.39	ug/L		07/02/15 15:00	07/09/15 13:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*84*		*45 - 130*	*07/02/15 15:00*	*07/09/15 13:10*	*1*
Tetrachloro-m-xylene	*87*		*45 - 130*	*07/02/15 15:00*	*07/09/15 13:10*	*1*
DCB Decachlorobiphenyl (Surr)	*84*		*45 - 130*	*07/02/15 15:00*	*07/09/15 13:10*	*1*
DCB Decachlorobiphenyl (Surr)	*82*		*45 - 130*	*07/02/15 15:00*	*07/09/15 13:10*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45580-1

Method: 8081B - Organochlorine Pesticides (GC)

Client Sample ID: WG-9954-070115-SG-040
Date Collected: 07/01/15 13:40
Date Received: 07/02/15 09:00

Lab Sample ID: 180-45580-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.025	0.017	ug/L		07/02/15 15:00	07/09/15 13:26	1
alpha-BHC	ND		0.025	0.013	ug/L		07/02/15 15:00	07/09/15 13:26	1
beta-BHC	ND		0.025	0.020	ug/L		07/02/15 15:00	07/09/15 13:26	1
delta-BHC	**0.032**	**p**	0.025	0.0087	ug/L		07/02/15 15:00	07/09/15 13:26	1
gamma-BHC (Lindane)	ND		0.025	0.016	ug/L		07/02/15 15:00	07/09/15 13:26	1
alpha-Chlordane	ND		0.025	0.020	ug/L		07/02/15 15:00	07/09/15 13:26	1
gamma-Chlordane	ND		0.025	0.019	ug/L		07/02/15 15:00	07/09/15 13:26	1
4,4'-DDD	**0.022**	**J**	0.025	0.013	ug/L		07/02/15 15:00	07/09/15 13:26	1
4,4'-DDE	ND		0.025	0.016	ug/L		07/02/15 15:00	07/09/15 13:26	1
4,4'-DDT	ND		0.025	0.015	ug/L		07/02/15 15:00	07/09/15 13:26	1
Dieldrin	ND		0.025	0.016	ug/L		07/02/15 15:00	07/09/15 13:26	1
Endosulfan I	ND		0.025	0.019	ug/L		07/02/15 15:00	07/09/15 13:26	1
Endosulfan II	ND		0.025	0.020	ug/L		07/02/15 15:00	07/09/15 13:26	1
Endosulfan sulfate	**0.014**	**J p**	0.025	0.011	ug/L		07/02/15 15:00	07/09/15 13:26	1
Endrin	ND		0.025	0.019	ug/L		07/02/15 15:00	07/09/15 13:26	1
Endrin ketone	ND		0.025	0.018	ug/L		07/02/15 15:00	07/09/15 13:26	1
Heptachlor	ND		0.025	0.020	ug/L		07/02/15 15:00	07/09/15 13:26	1
Heptachlor epoxide	ND		0.025	0.019	ug/L		07/02/15 15:00	07/09/15 13:26	1
Methoxychlor	**0.028**	**J p**	0.050	0.018	ug/L		07/02/15 15:00	07/09/15 13:26	1
Toxaphene	ND		2.0	0.37	ug/L		07/02/15 15:00	07/09/15 13:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*87*		*45 - 130*	*07/02/15 15:00*	*07/09/15 13:26*	*1*
Tetrachloro-m-xylene	*90*		*45 - 130*	*07/02/15 15:00*	*07/09/15 13:26*	*1*
DCB Decachlorobiphenyl (Surr)	*94*		*45 - 130*	*07/02/15 15:00*	*07/09/15 13:26*	*1*
DCB Decachlorobiphenyl (Surr)	*87*		*45 - 130*	*07/02/15 15:00*	*07/09/15 13:26*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45580-1

Method: 8081B - Organochlorine Pesticides (GC)

Client Sample ID: WG-9954-070115-SG-037
Date Collected: 07/01/15 10:05
Date Received: 07/02/15 09:00

Lab Sample ID: 180-45580-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.025	0.017	ug/L		07/02/15 15:00	07/09/15 13:41	1
alpha-BHC	ND		0.025	0.013	ug/L		07/02/15 15:00	07/09/15 13:41	1
beta-BHC	ND		0.025	0.020	ug/L		07/02/15 15:00	07/09/15 13:41	1
delta-BHC	**0.042**		0.025	0.0087	ug/L		07/02/15 15:00	07/09/15 13:41	1
gamma-BHC (Lindane)	ND		0.025	0.016	ug/L		07/02/15 15:00	07/09/15 13:41	1
alpha-Chlordane	ND		0.025	0.020	ug/L		07/02/15 15:00	07/09/15 13:41	1
gamma-Chlordane	ND		0.025	0.019	ug/L		07/02/15 15:00	07/09/15 13:41	1
4,4'-DDD	**0.034**		0.025	0.013	ug/L		07/02/15 15:00	07/09/15 13:41	1
4,4'-DDE	ND		0.025	0.016	ug/L		07/02/15 15:00	07/09/15 13:41	1
4,4'-DDT	ND		0.025	0.015	ug/L		07/02/15 15:00	07/09/15 13:41	1
Dieldrin	ND		0.025	0.016	ug/L		07/02/15 15:00	07/09/15 13:41	1
Endosulfan I	ND		0.025	0.019	ug/L		07/02/15 15:00	07/09/15 13:41	1
Endosulfan II	ND		0.025	0.020	ug/L		07/02/15 15:00	07/09/15 13:41	1
Endosulfan sulfate	ND		0.025	0.011	ug/L		07/02/15 15:00	07/09/15 13:41	1
Endrin	ND		0.025	0.019	ug/L		07/02/15 15:00	07/09/15 13:41	1
Endrin ketone	ND		0.025	0.018	ug/L		07/02/15 15:00	07/09/15 13:41	1
Heptachlor	ND		0.025	0.020	ug/L		07/02/15 15:00	07/09/15 13:41	1
Heptachlor epoxide	ND		0.025	0.019	ug/L		07/02/15 15:00	07/09/15 13:41	1
Methoxychlor	ND		0.050	0.018	ug/L		07/02/15 15:00	07/09/15 13:41	1
Toxaphene	ND		2.0	0.37	ug/L		07/02/15 15:00	07/09/15 13:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*84*		*45 - 130*	*07/02/15 15:00*	*07/09/15 13:41*	*1*
Tetrachloro-m-xylene	*88*		*45 - 130*	*07/02/15 15:00*	*07/09/15 13:41*	*1*
DCB Decachlorobiphenyl (Surr)	*90*		*45 - 130*	*07/02/15 15:00*	*07/09/15 13:41*	*1*
DCB Decachlorobiphenyl (Surr)	*84*		*45 - 130*	*07/02/15 15:00*	*07/09/15 13:41*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45580-1

Method: 8081B - Organochlorine Pesticides (GC)

Client Sample ID: WG-9954-070115-SG-036
Date Collected: 07/01/15 09:15
Date Received: 07/02/15 09:00

Lab Sample ID: 180-45580-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.025	0.017	ug/L		07/02/15 15:00	07/09/15 14:28	1
alpha-BHC	ND		0.025	0.013	ug/L		07/02/15 15:00	07/09/15 14:28	1
beta-BHC	ND		0.025	0.020	ug/L		07/02/15 15:00	07/09/15 14:28	1
delta-BHC	**0.025**	**p**	0.025	0.0087	ug/L		07/02/15 15:00	07/09/15 14:28	1
gamma-BHC (Lindane)	ND		0.025	0.016	ug/L		07/02/15 15:00	07/09/15 14:28	1
alpha-Chlordane	ND		0.025	0.020	ug/L		07/02/15 15:00	07/09/15 14:28	1
gamma-Chlordane	ND		0.025	0.019	ug/L		07/02/15 15:00	07/09/15 14:28	1
4,4'-DDD	ND		0.025	0.013	ug/L		07/02/15 15:00	07/09/15 14:28	1
4,4'-DDE	ND		0.025	0.016	ug/L		07/02/15 15:00	07/09/15 14:28	1
4,4'-DDT	**0.023**	**J**	0.025	0.015	ug/L		07/02/15 15:00	07/09/15 14:28	1
Dieldrin	ND		0.025	0.016	ug/L		07/02/15 15:00	07/09/15 14:28	1
Endosulfan I	ND		0.025	0.019	ug/L		07/02/15 15:00	07/09/15 14:28	1
Endosulfan II	ND		0.025	0.020	ug/L		07/02/15 15:00	07/09/15 14:28	1
Endosulfan sulfate	ND		0.025	0.011	ug/L		07/02/15 15:00	07/09/15 14:28	1
Endrin	ND		0.025	0.019	ug/L		07/02/15 15:00	07/09/15 14:28	1
Endrin ketone	ND		0.025	0.018	ug/L		07/02/15 15:00	07/09/15 14:28	1
Heptachlor	ND		0.025	0.020	ug/L		07/02/15 15:00	07/09/15 14:28	1
Heptachlor epoxide	ND		0.025	0.019	ug/L		07/02/15 15:00	07/09/15 14:28	1
Methoxychlor	**0.039**	**J p**	0.050	0.018	ug/L		07/02/15 15:00	07/09/15 14:28	1
Toxaphene	ND		2.0	0.37	ug/L		07/02/15 15:00	07/09/15 14:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*86*		*45 - 130*	*07/02/15 15:00*	*07/09/15 14:28*	*1*
Tetrachloro-m-xylene	*88*		*45 - 130*	*07/02/15 15:00*	*07/09/15 14:28*	*1*
DCB Decachlorobiphenyl (Surr)	*95*		*45 - 130*	*07/02/15 15:00*	*07/09/15 14:28*	*1*
DCB Decachlorobiphenyl (Surr)	*87*		*45 - 130*	*07/02/15 15:00*	*07/09/15 14:28*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45580-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: WG-9954-070115-SG-039
Date Collected: 07/01/15 12:35
Date Received: 07/02/15 09:00

Lab Sample ID: 180-45580-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.21	0.052	ug/L		07/02/15 15:00	07/06/15 22:04	1
PCB-1221	ND		0.21	0.085	ug/L		07/02/15 15:00	07/06/15 22:04	1
PCB-1232	ND		0.21	0.081	ug/L		07/02/15 15:00	07/06/15 22:04	1
PCB-1242	ND		0.21	0.039	ug/L		07/02/15 15:00	07/06/15 22:04	1
PCB-1248	ND		0.21	0.056	ug/L		07/02/15 15:00	07/06/15 22:04	1
PCB-1254	ND		0.21	0.063	ug/L		07/02/15 15:00	07/06/15 22:04	1
PCB-1260	ND		0.21	0.035	ug/L		07/02/15 15:00	07/06/15 22:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*133*		*35 - 140*	*07/02/15 15:00*	*07/06/15 22:04*	*1*
Tetrachloro-m-xylene (Surr)	*84*	*p*	*35 - 140*	*07/02/15 15:00*	*07/06/15 22:04*	*1*
DCB Decachlorobiphenyl (Surr)	*95*		*35 - 140*	*07/02/15 15:00*	*07/06/15 22:04*	*1*
DCB Decachlorobiphenyl (Surr)	*92*		*35 - 140*	*07/02/15 15:00*	*07/06/15 22:04*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45580-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: WG-9954-070115-SG-038
Date Collected: 07/01/15 11:00
Date Received: 07/02/15 09:00

Lab Sample ID: 180-45580-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.21	0.052	ug/L		07/02/15 15:00	07/06/15 22:23	1
PCB-1221	ND		0.21	0.085	ug/L		07/02/15 15:00	07/06/15 22:23	1
PCB-1232	ND		0.21	0.081	ug/L		07/02/15 15:00	07/06/15 22:23	1
PCB-1242	ND		0.21	0.039	ug/L		07/02/15 15:00	07/06/15 22:23	1
PCB-1248	ND		0.21	0.056	ug/L		07/02/15 15:00	07/06/15 22:23	1
PCB-1254	ND		0.21	0.063	ug/L		07/02/15 15:00	07/06/15 22:23	1
PCB-1260	ND		0.21	0.035	ug/L		07/02/15 15:00	07/06/15 22:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*88*		*35 - 140*	*07/02/15 15:00*	*07/06/15 22:23*	*1*
Tetrachloro-m-xylene (Surr)	*81*		*35 - 140*	*07/02/15 15:00*	*07/06/15 22:23*	*1*
DCB Decachlorobiphenyl (Surr)	*95*		*35 - 140*	*07/02/15 15:00*	*07/06/15 22:23*	*1*
DCB Decachlorobiphenyl (Surr)	*93*		*35 - 140*	*07/02/15 15:00*	*07/06/15 22:23*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45580-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: WG-9954-070115-SG-040
Date Collected: 07/01/15 13:40
Date Received: 07/02/15 09:00

Lab Sample ID: 180-45580-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.20	0.050	ug/L		07/02/15 15:00	07/06/15 22:41	1
PCB-1221	ND		0.20	0.082	ug/L		07/02/15 15:00	07/06/15 22:41	1
PCB-1232	ND		0.20	0.078	ug/L		07/02/15 15:00	07/06/15 22:41	1
PCB-1242	ND		0.20	0.037	ug/L		07/02/15 15:00	07/06/15 22:41	1
PCB-1248	ND		0.20	0.054	ug/L		07/02/15 15:00	07/06/15 22:41	1
PCB-1254	ND		0.20	0.060	ug/L		07/02/15 15:00	07/06/15 22:41	1
PCB-1260	ND		0.20	0.034	ug/L		07/02/15 15:00	07/06/15 22:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*106*		*35 - 140*	*07/02/15 15:00*	*07/06/15 22:41*	*1*
Tetrachloro-m-xylene (Surr)	*85*		*35 - 140*	*07/02/15 15:00*	*07/06/15 22:41*	*1*
DCB Decachlorobiphenyl (Surr)	*96*		*35 - 140*	*07/02/15 15:00*	*07/06/15 22:41*	*1*
DCB Decachlorobiphenyl (Surr)	*95*		*35 - 140*	*07/02/15 15:00*	*07/06/15 22:41*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45580-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: WG-9954-070115-SG-037
Date Collected: 07/01/15 10:05
Date Received: 07/02/15 09:00

Lab Sample ID: 180-45580-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.20	0.050	ug/L		07/02/15 15:00	07/06/15 23:00	1
PCB-1221	ND		0.20	0.082	ug/L		07/02/15 15:00	07/06/15 23:00	1
PCB-1232	ND		0.20	0.078	ug/L		07/02/15 15:00	07/06/15 23:00	1
PCB-1242	ND		0.20	0.037	ug/L		07/02/15 15:00	07/06/15 23:00	1
PCB-1248	ND		0.20	0.054	ug/L		07/02/15 15:00	07/06/15 23:00	1
PCB-1254	ND		0.20	0.060	ug/L		07/02/15 15:00	07/06/15 23:00	1
PCB-1260	ND		0.20	0.034	ug/L		07/02/15 15:00	07/06/15 23:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*90*		*35 - 140*	*07/02/15 15:00*	*07/06/15 23:00*	*1*
Tetrachloro-m-xylene (Surr)	*82*		*35 - 140*	*07/02/15 15:00*	*07/06/15 23:00*	*1*
DCB Decachlorobiphenyl (Surr)	*95*		*35 - 140*	*07/02/15 15:00*	*07/06/15 23:00*	*1*
DCB Decachlorobiphenyl (Surr)	*93*		*35 - 140*	*07/02/15 15:00*	*07/06/15 23:00*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45580-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: WG-9954-070115-SG-036
Date Collected: 07/01/15 09:15
Date Received: 07/02/15 09:00

Lab Sample ID: 180-45580-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.20	0.050	ug/L		07/02/15 15:00	07/06/15 23:56	1
PCB-1221	ND		0.20	0.082	ug/L		07/02/15 15:00	07/06/15 23:56	1
PCB-1232	ND		0.20	0.078	ug/L		07/02/15 15:00	07/06/15 23:56	1
PCB-1242	ND		0.20	0.037	ug/L		07/02/15 15:00	07/06/15 23:56	1
PCB-1248	ND		0.20	0.054	ug/L		07/02/15 15:00	07/06/15 23:56	1
PCB-1254	ND		0.20	0.060	ug/L		07/02/15 15:00	07/06/15 23:56	1
PCB-1260	ND		0.20	0.034	ug/L		07/02/15 15:00	07/06/15 23:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*107*		*35 - 140*	*07/02/15 15:00*	*07/06/15 23:56*	*1*
Tetrachloro-m-xylene (Surr)	*91*		*35 - 140*	*07/02/15 15:00*	*07/06/15 23:56*	*1*
DCB Decachlorobiphenyl (Surr)	*96*		*35 - 140*	*07/02/15 15:00*	*07/06/15 23:56*	*1*
DCB Decachlorobiphenyl (Surr)	*97*		*35 - 140*	*07/02/15 15:00*	*07/06/15 23:56*	*1*

CHAIN-OF-CUSTODY/Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Client Information	
GLEN SPRINGS HOLDINGS INC	Report To: Susan Scrocchi
805 97TH STREET	Copy To:
LOVE CANAL	
NIAGARA FALLS, NEW YORK 14304	Invoice To:
Phone: 716-283-0111	PO:
Fax: 716-283-2856	Project Name: LOVE CANAL ANNUAL GW
Email: sscrocchi@craworld.com	Project Number: 9954

Lab Information
Laboratory: TEST AMERICA PITTSBURGH
Laboratory Location: 301 ALPHA DRIVE PITTSBURGH, PA 15238
Laboratory Contact: JILL COLUSSY
Requested Due Date: TAT: 10
QA/QC Requirements:

Event Information
ID#: LC ANNUAL GW SAMPLING-07-1
SSOW Ref#:
Sampler Name: SHAWN GARDNER

180-45580 Chain of Custody

Valid Matrix Code
WG Groundwater
WB Borehole Water
WS Surface Water
SO Soil
SE Sediment

Sample Condition	
Temp in C	
Received on ice	Y/N
Sealed Cooler	Y/N
Samples Intact	Y/N

Sample Identification	Matrix Code	Date Collected	Time Collected	PestPCBs(None)	PestPCBs(None)	SVOC(none)	VOA(HCl)	Remarks
WG-9954-070115-SG-039	WG	07/01/2015	12:35	4	4	2	3	
WG-9954-070115-SG-038	WG	07/01/2015	11:00	4	4	2	3	
WG-9954-070115-SG-040	WG	07/01/2015	13:40	4	4	2	3	
WG-9954-070115-SG-037	WG	07/01/2015	10:05	12	12	6	9	MS/MSD
WG-9954-070115-SG-036	WG	07/01/2015	09:15	4	4	2	3	
LCTRIP-070115-SG	WG	07/01/2015	00:00	0	0	0	3	
Total Bottles				**28**	**28**	**14**	**24**	**Grand Total:94**

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY:	DATE	TIME	RECIEVED BY:	DATE	TIME
FedEx	3	Shawn Gardner	7/1/15	1540	[illegible]	7-2-15	
AIRBILL#:					TAP		9:00

ANALYTICAL REPORT

Job Number: 180-45625-1

Job Description: 9954, Love Canal Annual

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

Attention: Ms. Sue Scrocchi

Approved for release.
Jill L Colussy
Project Manager I
7/23/2015 8:46 AM

Jill L Colussy, Project Manager I
301 Alpha Drive, Pittsburgh, PA, 15238
(412)963-2444
jill.colussy@testamericainc.com
07/23/2015

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	Presumptive evidence of material.
T	Result is a tentatively identified compound (TIC) and an estimated value.

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
T	Result is a tentatively identified compound (TIC) and an estimated value.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

Glossary

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

CASE NARRATIVE

Client: GHD Services Inc.

Project: 9954, Love Canal Annual

Report Number: 180-45625-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT
The samples were received on 7/3/2015 9:40 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 3.1º C and 3.4º C.

The earliest time sampled was logged in as the sampling time for the TRIP BLANK as per the laboratory SOP.

VOLATILES
The matrix spike and matrix spike duplicate of sample WG-9954-070215-SG-041 (180-45625-3) recovered outside of the control limits for 1,1-Dichloroethene and/or Vinyl acetate. The relative percent difference between the matrix spike and the matrix spike duplicate was outside of the control limits for Acetone and Vinyl acetate.

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

PESTICIDES
Sample WG-9954-070215-SG-044 (180-45625-6) had surrogate tetrachloro-m-xylene recover outside of the control limits on one column.

PCBS
Sample WG-9954-070215-SG-041 (180-45625-3) had surrogate tetrachloro-m-xylene recover outside of the control limits on both columns. The recoveries of decachlorobiphenyl surrogate were within the control limits. All data was reported.

Sample WG-9954-070215-SG-043 (180-45625-5) had surrogate tetrachloro-m-xylene recover outside of the control limits on one column.

Detection Summary

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45625-1

Client Sample ID: LCTRIP-070215-SG — Lab Sample ID: 180-45625-1

No Detections.

Client Sample ID: RB-9954-070215-SG-046 — Lab Sample ID: 180-45625-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	8.0		5.0	1.1	ug/L	1		8260C	Total/NA
Methylene Chloride	8.1		5.0	1.1	ug/L	1		8260C	Total/NA
alpha-BHC	0.27		0.052	0.028	ug/L	1		8081B	Total/NA
delta-BHC	0.039	J	0.052	0.018	ug/L	1		8081B	Total/NA
gamma-BHC (Lindane)	0.20		0.052	0.033	ug/L	1		8081B	Total/NA

Client Sample ID: WG-9954-070215-SG-041 — Lab Sample ID: 180-45625-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	7.9		5.0	1.1	ug/L	1		8260C	Total/NA
delta-BHC	0.022	J p	0.052	0.018	ug/L	1		8081B	Total/NA

Client Sample ID: WG-9954-070215-SG-042 — Lab Sample ID: 180-45625-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
alpha-BHC	0.054		0.052	0.028	ug/L	1		8081B	Total/NA
Endrin	0.13		0.052	0.040	ug/L	1		8081B	Total/NA

Client Sample ID: WG-9954-070215-SG-043 — Lab Sample ID: 180-45625-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	2.1	J	5.0	1.1	ug/L	1		8260C	Total/NA
alpha-BHC	0.042	J	0.052	0.028	ug/L	1		8081B	Total/NA
4,4'-DDT	0.053	p	0.052	0.031	ug/L	1		8081B	Total/NA

Client Sample ID: WG-9954-070215-SG-044 — Lab Sample ID: 180-45625-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	2.0	J	5.0	1.1	ug/L	1		8260C	Total/NA
alpha-BHC	0.087		0.052	0.028	ug/L	1		8081B	Total/NA
delta-BHC	0.061		0.052	0.018	ug/L	1		8081B	Total/NA
gamma-BHC (Lindane)	0.062		0.052	0.033	ug/L	1		8081B	Total/NA
4,4'-DDD	0.033	J p	0.052	0.028	ug/L	1		8081B	Total/NA
4,4'-DDT	0.070		0.052	0.031	ug/L	1		8081B	Total/NA

Client Sample ID: WG-9954-070215-SG-045 — Lab Sample ID: 180-45625-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.95	J	5.0	0.85	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45625-1

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

Client Sample ID: LCTRIP-070215-SG
Date Collected: 07/02/15 09:00
Date Received: 07/03/15 09:40

Lab Sample ID: 180-45625-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	1.0	ug/L			07/09/15 11:46	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.93	ug/L			07/09/15 11:46	1
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			07/09/15 11:46	1
1,1-Dichloroethane	ND		5.0	1.0	ug/L			07/09/15 11:46	1
1,1-Dichloroethene	ND		5.0	1.1	ug/L			07/09/15 11:46	1
1,2-Dichloroethane	ND		5.0	0.96	ug/L			07/09/15 11:46	1
1,2-Dichloropropane	ND		5.0	1.3	ug/L			07/09/15 11:46	1
2-Butanone (MEK)	ND		5.0	1.1	ug/L			07/09/15 11:46	1
2-Hexanone	ND		5.0	0.57	ug/L			07/09/15 11:46	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.59	ug/L			07/09/15 11:46	1
Acetone	ND		20	5.0	ug/L			07/09/15 11:46	1
Benzene	ND		5.0	0.99	ug/L			07/09/15 11:46	1
Bromodichloromethane	ND		5.0	0.93	ug/L			07/09/15 11:46	1
Bromoform	ND		5.0	1.1	ug/L			07/09/15 11:46	1
Bromomethane	ND		5.0	1.6	ug/L			07/09/15 11:46	1
Carbon disulfide	ND		5.0	1.1	ug/L			07/09/15 11:46	1
Carbon tetrachloride	ND		5.0	1.1	ug/L			07/09/15 11:46	1
Chlorobenzene	ND		5.0	0.53	ug/L			07/09/15 11:46	1
Chloroethane	ND		5.0	0.75	ug/L			07/09/15 11:46	1
Chloroform	ND		5.0	1.0	ug/L			07/09/15 11:46	1
Chloromethane	ND		5.0	1.4	ug/L			07/09/15 11:46	1
cis-1,2-Dichloroethene	ND		5.0	0.67	ug/L			07/09/15 11:46	1
cis-1,3-Dichloropropene	ND		5.0	0.73	ug/L			07/09/15 11:46	1
Dibromochloromethane	ND		5.0	0.65	ug/L			07/09/15 11:46	1
Ethylbenzene	ND		5.0	0.62	ug/L			07/09/15 11:46	1
Methylene Chloride	ND		5.0	1.1	ug/L			07/09/15 11:46	1
Styrene	ND		5.0	0.64	ug/L			07/09/15 11:46	1
Tetrachloroethene	ND		5.0	0.82	ug/L			07/09/15 11:46	1
Toluene	ND		5.0	0.85	ug/L			07/09/15 11:46	1
trans-1,2-Dichloroethene	ND		5.0	0.75	ug/L			07/09/15 11:46	1
trans-1,3-Dichloropropene	ND		5.0	0.58	ug/L			07/09/15 11:46	1
Trichloroethene	ND		5.0	0.80	ug/L			07/09/15 11:46	1
Vinyl acetate	ND		5.0	0.86	ug/L			07/09/15 11:46	1
Vinyl chloride	ND		5.0	1.3	ug/L			07/09/15 11:46	1
Xylenes, Total	ND		10	1.7	ug/L			07/09/15 11:46	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*07/09/15 11:46*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*77*		*62 - 123*		*07/09/15 11:46*	*1*
4-Bromofluorobenzene (Surr)	*82*		*75 - 120*		*07/09/15 11:46*	*1*
Dibromofluoromethane (Surr)	*94*		*80 - 120*		*07/09/15 11:46*	*1*
Toluene-d8 (Surr)	*107*		*80 - 120*		*07/09/15 11:46*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45625-1

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

Client Sample ID: RB-9954-070215-SG-046
Date Collected: 07/02/15 12:30
Date Received: 07/03/15 09:40

Lab Sample ID: 180-45625-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	1.0	ug/L			07/09/15 13:00	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.93	ug/L			07/09/15 13:00	1
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			07/09/15 13:00	1
1,1-Dichloroethane	ND		5.0	1.0	ug/L			07/09/15 13:00	1
1,1-Dichloroethene	ND		5.0	1.1	ug/L			07/09/15 13:00	1
1,2-Dichloroethane	ND		5.0	0.96	ug/L			07/09/15 13:00	1
1,2-Dichloropropane	ND		5.0	1.3	ug/L			07/09/15 13:00	1
2-Butanone (MEK)	**8.0**		5.0	1.1	ug/L			07/09/15 13:00	1
2-Hexanone	ND		5.0	0.57	ug/L			07/09/15 13:00	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.59	ug/L			07/09/15 13:00	1
Acetone	ND		20	5.0	ug/L			07/09/15 13:00	1
Benzene	ND		5.0	0.99	ug/L			07/09/15 13:00	1
Bromodichloromethane	ND		5.0	0.93	ug/L			07/09/15 13:00	1
Bromoform	ND		5.0	1.1	ug/L			07/09/15 13:00	1
Bromomethane	ND		5.0	1.6	ug/L			07/09/15 13:00	1
Carbon disulfide	ND		5.0	1.1	ug/L			07/09/15 13:00	1
Carbon tetrachloride	ND		5.0	1.1	ug/L			07/09/15 13:00	1
Chlorobenzene	ND		5.0	0.53	ug/L			07/09/15 13:00	1
Chloroethane	ND		5.0	0.75	ug/L			07/09/15 13:00	1
Chloroform	ND		5.0	1.0	ug/L			07/09/15 13:00	1
Chloromethane	ND		5.0	1.4	ug/L			07/09/15 13:00	1
cis-1,2-Dichloroethene	ND		5.0	0.67	ug/L			07/09/15 13:00	1
cis-1,3-Dichloropropene	ND		5.0	0.73	ug/L			07/09/15 13:00	1
Dibromochloromethane	ND		5.0	0.65	ug/L			07/09/15 13:00	1
Ethylbenzene	ND		5.0	0.62	ug/L			07/09/15 13:00	1
Methylene Chloride	**8.1**		5.0	1.1	ug/L			07/09/15 13:00	1
Styrene	ND		5.0	0.64	ug/L			07/09/15 13:00	1
Tetrachloroethene	ND		5.0	0.82	ug/L			07/09/15 13:00	1
Toluene	ND		5.0	0.85	ug/L			07/09/15 13:00	1
trans-1,2-Dichloroethene	ND		5.0	0.75	ug/L			07/09/15 13:00	1
trans-1,3-Dichloropropene	ND		5.0	0.58	ug/L			07/09/15 13:00	1
Trichloroethene	ND		5.0	0.80	ug/L			07/09/15 13:00	1
Vinyl acetate	ND		5.0	0.86	ug/L			07/09/15 13:00	1
Vinyl chloride	ND		5.0	1.3	ug/L			07/09/15 13:00	1
Xylenes, Total	ND		10	1.7	ug/L			07/09/15 13:00	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Furan, tetrahydro-	*5.8*	*T J N*	*ug/L*		*5.15*	*109-99-9*		*07/09/15 13:00*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*78*		*62 - 123*		*07/09/15 13:00*	*1*
4-Bromofluorobenzene (Surr)	*87*		*75 - 120*		*07/09/15 13:00*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*07/09/15 13:00*	*1*
Toluene-d8 (Surr)	*114*		*80 - 120*		*07/09/15 13:00*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45625-1

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

Client Sample ID: WG-9954-070215-SG-041
Date Collected: 07/02/15 09:00
Date Received: 07/03/15 09:40

Lab Sample ID: 180-45625-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	1.0	ug/L			07/09/15 13:25	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.93	ug/L			07/09/15 13:25	1
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			07/09/15 13:25	1
1,1-Dichloroethane	ND		5.0	1.0	ug/L			07/09/15 13:25	1
1,1-Dichloroethene	ND	F1	5.0	1.1	ug/L			07/09/15 13:25	1
1,2-Dichloroethane	ND		5.0	0.96	ug/L			07/09/15 13:25	1
1,2-Dichloropropane	ND		5.0	1.3	ug/L			07/09/15 13:25	1
2-Butanone (MEK)	ND		5.0	1.1	ug/L			07/09/15 13:25	1
2-Hexanone	ND		5.0	0.57	ug/L			07/09/15 13:25	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.59	ug/L			07/09/15 13:25	1
Acetone	ND	F2	20	5.0	ug/L			07/09/15 13:25	1
Benzene	ND		5.0	0.99	ug/L			07/09/15 13:25	1
Bromodichloromethane	ND		5.0	0.93	ug/L			07/09/15 13:25	1
Bromoform	ND		5.0	1.1	ug/L			07/09/15 13:25	1
Bromomethane	ND		5.0	1.6	ug/L			07/09/15 13:25	1
Carbon disulfide	**7.9**		5.0	1.1	ug/L			07/09/15 13:25	1
Carbon tetrachloride	ND		5.0	1.1	ug/L			07/09/15 13:25	1
Chlorobenzene	ND		5.0	0.53	ug/L			07/09/15 13:25	1
Chloroethane	ND		5.0	0.75	ug/L			07/09/15 13:25	1
Chloroform	ND		5.0	1.0	ug/L			07/09/15 13:25	1
Chloromethane	ND		5.0	1.4	ug/L			07/09/15 13:25	1
cis-1,2-Dichloroethene	ND		5.0	0.67	ug/L			07/09/15 13:25	1
cis-1,3-Dichloropropene	ND		5.0	0.73	ug/L			07/09/15 13:25	1
Dibromochloromethane	ND		5.0	0.65	ug/L			07/09/15 13:25	1
Ethylbenzene	ND		5.0	0.62	ug/L			07/09/15 13:25	1
Methylene Chloride	ND		5.0	1.1	ug/L			07/09/15 13:25	1
Styrene	ND		5.0	0.64	ug/L			07/09/15 13:25	1
Tetrachloroethene	ND		5.0	0.82	ug/L			07/09/15 13:25	1
Toluene	ND		5.0	0.85	ug/L			07/09/15 13:25	1
trans-1,2-Dichloroethene	ND		5.0	0.75	ug/L			07/09/15 13:25	1
trans-1,3-Dichloropropene	ND		5.0	0.58	ug/L			07/09/15 13:25	1
Trichloroethene	ND		5.0	0.80	ug/L			07/09/15 13:25	1
Vinyl acetate	ND	F1 F2	5.0	0.86	ug/L			07/09/15 13:25	1
Vinyl chloride	ND		5.0	1.3	ug/L			07/09/15 13:25	1
Xylenes, Total	ND		10	1.7	ug/L			07/09/15 13:25	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*07/09/15 13:25*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*83*		*62 - 123*		*07/09/15 13:25*	*1*
4-Bromofluorobenzene (Surr)	*83*		*75 - 120*		*07/09/15 13:25*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 120*		*07/09/15 13:25*	*1*
Toluene-d8 (Surr)	*111*		*80 - 120*		*07/09/15 13:25*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45625-1

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

Client Sample ID: WG-9954-070215-SG-042
Date Collected: 07/02/15 10:00
Date Received: 07/03/15 09:40

Lab Sample ID: 180-45625-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	1.0	ug/L			07/09/15 13:49	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.93	ug/L			07/09/15 13:49	1
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			07/09/15 13:49	1
1,1-Dichloroethane	ND		5.0	1.0	ug/L			07/09/15 13:49	1
1,1-Dichloroethene	ND		5.0	1.1	ug/L			07/09/15 13:49	1
1,2-Dichloroethane	ND		5.0	0.96	ug/L			07/09/15 13:49	1
1,2-Dichloropropane	ND		5.0	1.3	ug/L			07/09/15 13:49	1
2-Butanone (MEK)	ND		5.0	1.1	ug/L			07/09/15 13:49	1
2-Hexanone	ND		5.0	0.57	ug/L			07/09/15 13:49	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.59	ug/L			07/09/15 13:49	1
Acetone	ND		20	5.0	ug/L			07/09/15 13:49	1
Benzene	ND		5.0	0.99	ug/L			07/09/15 13:49	1
Bromodichloromethane	ND		5.0	0.93	ug/L			07/09/15 13:49	1
Bromoform	ND		5.0	1.1	ug/L			07/09/15 13:49	1
Bromomethane	ND		5.0	1.6	ug/L			07/09/15 13:49	1
Carbon disulfide	ND		5.0	1.1	ug/L			07/09/15 13:49	1
Carbon tetrachloride	ND		5.0	1.1	ug/L			07/09/15 13:49	1
Chlorobenzene	ND		5.0	0.53	ug/L			07/09/15 13:49	1
Chloroethane	ND		5.0	0.75	ug/L			07/09/15 13:49	1
Chloroform	ND		5.0	1.0	ug/L			07/09/15 13:49	1
Chloromethane	ND		5.0	1.4	ug/L			07/09/15 13:49	1
cis-1,2-Dichloroethene	ND		5.0	0.67	ug/L			07/09/15 13:49	1
cis-1,3-Dichloropropene	ND		5.0	0.73	ug/L			07/09/15 13:49	1
Dibromochloromethane	ND		5.0	0.65	ug/L			07/09/15 13:49	1
Ethylbenzene	ND		5.0	0.62	ug/L			07/09/15 13:49	1
Methylene Chloride	ND		5.0	1.1	ug/L			07/09/15 13:49	1
Styrene	ND		5.0	0.64	ug/L			07/09/15 13:49	1
Tetrachloroethene	ND		5.0	0.82	ug/L			07/09/15 13:49	1
Toluene	ND		5.0	0.85	ug/L			07/09/15 13:49	1
trans-1,2-Dichloroethene	ND		5.0	0.75	ug/L			07/09/15 13:49	1
trans-1,3-Dichloropropene	ND		5.0	0.58	ug/L			07/09/15 13:49	1
Trichloroethene	ND		5.0	0.80	ug/L			07/09/15 13:49	1
Vinyl acetate	ND		5.0	0.86	ug/L			07/09/15 13:49	1
Vinyl chloride	ND		5.0	1.3	ug/L			07/09/15 13:49	1
Xylenes, Total	ND		10	1.7	ug/L			07/09/15 13:49	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Sulfur dioxide	*94*	*T J N*	*ug/L*		*1.28*	*7446-09-5*		*07/09/15 13:49*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*80*		*62 - 123*		*07/09/15 13:49*	*1*
4-Bromofluorobenzene (Surr)	*85*		*75 - 120*		*07/09/15 13:49*	*1*
Dibromofluoromethane (Surr)	*95*		*80 - 120*		*07/09/15 13:49*	*1*
Toluene-d8 (Surr)	*107*		*80 - 120*		*07/09/15 13:49*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45625-1

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

Client Sample ID: WG-9954-070215-SG-043
Date Collected: 07/02/15 10:00
Date Received: 07/03/15 09:40

Lab Sample ID: 180-45625-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	1.0	ug/L			07/09/15 14:13	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.93	ug/L			07/09/15 14:13	1
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			07/09/15 14:13	1
1,1-Dichloroethane	ND		5.0	1.0	ug/L			07/09/15 14:13	1
1,1-Dichloroethene	ND		5.0	1.1	ug/L			07/09/15 14:13	1
1,2-Dichloroethane	ND		5.0	0.96	ug/L			07/09/15 14:13	1
1,2-Dichloropropane	ND		5.0	1.3	ug/L			07/09/15 14:13	1
2-Butanone (MEK)	ND		5.0	1.1	ug/L			07/09/15 14:13	1
2-Hexanone	ND		5.0	0.57	ug/L			07/09/15 14:13	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.59	ug/L			07/09/15 14:13	1
Acetone	ND		20	5.0	ug/L			07/09/15 14:13	1
Benzene	ND		5.0	0.99	ug/L			07/09/15 14:13	1
Bromodichloromethane	ND		5.0	0.93	ug/L			07/09/15 14:13	1
Bromoform	ND		5.0	1.1	ug/L			07/09/15 14:13	1
Bromomethane	ND		5.0	1.6	ug/L			07/09/15 14:13	1
Carbon disulfide	**2.1**	**J**	5.0	1.1	ug/L			07/09/15 14:13	1
Carbon tetrachloride	ND		5.0	1.1	ug/L			07/09/15 14:13	1
Chlorobenzene	ND		5.0	0.53	ug/L			07/09/15 14:13	1
Chloroethane	ND		5.0	0.75	ug/L			07/09/15 14:13	1
Chloroform	ND		5.0	1.0	ug/L			07/09/15 14:13	1
Chloromethane	ND		5.0	1.4	ug/L			07/09/15 14:13	1
cis-1,2-Dichloroethene	ND		5.0	0.67	ug/L			07/09/15 14:13	1
cis-1,3-Dichloropropene	ND		5.0	0.73	ug/L			07/09/15 14:13	1
Dibromochloromethane	ND		5.0	0.65	ug/L			07/09/15 14:13	1
Ethylbenzene	ND		5.0	0.62	ug/L			07/09/15 14:13	1
Methylene Chloride	ND		5.0	1.1	ug/L			07/09/15 14:13	1
Styrene	ND		5.0	0.64	ug/L			07/09/15 14:13	1
Tetrachloroethene	ND		5.0	0.82	ug/L			07/09/15 14:13	1
Toluene	ND		5.0	0.85	ug/L			07/09/15 14:13	1
trans-1,2-Dichloroethene	ND		5.0	0.75	ug/L			07/09/15 14:13	1
trans-1,3-Dichloropropene	ND		5.0	0.58	ug/L			07/09/15 14:13	1
Trichloroethene	ND		5.0	0.80	ug/L			07/09/15 14:13	1
Vinyl acetate	ND		5.0	0.86	ug/L			07/09/15 14:13	1
Vinyl chloride	ND		5.0	1.3	ug/L			07/09/15 14:13	1
Xylenes, Total	ND		10	1.7	ug/L			07/09/15 14:13	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Sulfur dioxide	*120*	*T J N*	*ug/L*		*1.27*	*7446-09-5*		*07/09/15 14:13*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*84*		*62 - 123*		*07/09/15 14:13*	*1*
4-Bromofluorobenzene (Surr)	*86*		*75 - 120*		*07/09/15 14:13*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 120*		*07/09/15 14:13*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*07/09/15 14:13*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45625-1

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

Client Sample ID: WG-9954-070215-SG-044
Date Collected: 07/02/15 10:55
Date Received: 07/03/15 09:40

Lab Sample ID: 180-45625-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	1.0	ug/L			07/09/15 14:38	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.93	ug/L			07/09/15 14:38	1
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			07/09/15 14:38	1
1,1-Dichloroethane	ND		5.0	1.0	ug/L			07/09/15 14:38	1
1,1-Dichloroethene	ND		5.0	1.1	ug/L			07/09/15 14:38	1
1,2-Dichloroethane	ND		5.0	0.96	ug/L			07/09/15 14:38	1
1,2-Dichloropropane	ND		5.0	1.3	ug/L			07/09/15 14:38	1
2-Butanone (MEK)	ND		5.0	1.1	ug/L			07/09/15 14:38	1
2-Hexanone	ND		5.0	0.57	ug/L			07/09/15 14:38	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.59	ug/L			07/09/15 14:38	1
Acetone	ND		20	5.0	ug/L			07/09/15 14:38	1
Benzene	ND		5.0	0.99	ug/L			07/09/15 14:38	1
Bromodichloromethane	ND		5.0	0.93	ug/L			07/09/15 14:38	1
Bromoform	ND		5.0	1.1	ug/L			07/09/15 14:38	1
Bromomethane	ND		5.0	1.6	ug/L			07/09/15 14:38	1
Carbon disulfide	**2.0**	**J**	5.0	1.1	ug/L			07/09/15 14:38	1
Carbon tetrachloride	ND		5.0	1.1	ug/L			07/09/15 14:38	1
Chlorobenzene	ND		5.0	0.53	ug/L			07/09/15 14:38	1
Chloroethane	ND		5.0	0.75	ug/L			07/09/15 14:38	1
Chloroform	ND		5.0	1.0	ug/L			07/09/15 14:38	1
Chloromethane	ND		5.0	1.4	ug/L			07/09/15 14:38	1
cis-1,2-Dichloroethene	ND		5.0	0.67	ug/L			07/09/15 14:38	1
cis-1,3-Dichloropropene	ND		5.0	0.73	ug/L			07/09/15 14:38	1
Dibromochloromethane	ND		5.0	0.65	ug/L			07/09/15 14:38	1
Ethylbenzene	ND		5.0	0.62	ug/L			07/09/15 14:38	1
Methylene Chloride	ND		5.0	1.1	ug/L			07/09/15 14:38	1
Styrene	ND		5.0	0.64	ug/L			07/09/15 14:38	1
Tetrachloroethene	ND		5.0	0.82	ug/L			07/09/15 14:38	1
Toluene	ND		5.0	0.85	ug/L			07/09/15 14:38	1
trans-1,2-Dichloroethene	ND		5.0	0.75	ug/L			07/09/15 14:38	1
trans-1,3-Dichloropropene	ND		5.0	0.58	ug/L			07/09/15 14:38	1
Trichloroethene	ND		5.0	0.80	ug/L			07/09/15 14:38	1
Vinyl acetate	ND		5.0	0.86	ug/L			07/09/15 14:38	1
Vinyl chloride	ND		5.0	1.3	ug/L			07/09/15 14:38	1
Xylenes, Total	ND		10	1.7	ug/L			07/09/15 14:38	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Sulfur dioxide	*86*	*T J N*	*ug/L*		*1.26*	*7446-09-5*		*07/09/15 14:38*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*81*		*62 - 123*		*07/09/15 14:38*	*1*
4-Bromofluorobenzene (Surr)	*83*		*75 - 120*		*07/09/15 14:38*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*07/09/15 14:38*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*07/09/15 14:38*	*1*

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

Client Sample ID: WG-9954-070215-SG-045
Date Collected: 07/02/15 12:10
Date Received: 07/03/15 09:40

Lab Sample ID: 180-45625-7
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	1.0	ug/L			07/09/15 15:02	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.93	ug/L			07/09/15 15:02	1
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			07/09/15 15:02	1
1,1-Dichloroethane	ND		5.0	1.0	ug/L			07/09/15 15:02	1
1,1-Dichloroethene	ND		5.0	1.1	ug/L			07/09/15 15:02	1
1,2-Dichloroethane	ND		5.0	0.96	ug/L			07/09/15 15:02	1
1,2-Dichloropropane	ND		5.0	1.3	ug/L			07/09/15 15:02	1
2-Butanone (MEK)	ND		5.0	1.1	ug/L			07/09/15 15:02	1
2-Hexanone	ND		5.0	0.57	ug/L			07/09/15 15:02	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.59	ug/L			07/09/15 15:02	1
Acetone	ND		20	5.0	ug/L			07/09/15 15:02	1
Benzene	ND		5.0	0.99	ug/L			07/09/15 15:02	1
Bromodichloromethane	ND		5.0	0.93	ug/L			07/09/15 15:02	1
Bromoform	ND		5.0	1.1	ug/L			07/09/15 15:02	1
Bromomethane	ND		5.0	1.6	ug/L			07/09/15 15:02	1
Carbon disulfide	ND		5.0	1.1	ug/L			07/09/15 15:02	1
Carbon tetrachloride	ND		5.0	1.1	ug/L			07/09/15 15:02	1
Chlorobenzene	ND		5.0	0.53	ug/L			07/09/15 15:02	1
Chloroethane	ND		5.0	0.75	ug/L			07/09/15 15:02	1
Chloroform	ND		5.0	1.0	ug/L			07/09/15 15:02	1
Chloromethane	ND		5.0	1.4	ug/L			07/09/15 15:02	1
cis-1,2-Dichloroethene	ND		5.0	0.67	ug/L			07/09/15 15:02	1
cis-1,3-Dichloropropene	ND		5.0	0.73	ug/L			07/09/15 15:02	1
Dibromochloromethane	ND		5.0	0.65	ug/L			07/09/15 15:02	1
Ethylbenzene	ND		5.0	0.62	ug/L			07/09/15 15:02	1
Methylene Chloride	ND		5.0	1.1	ug/L			07/09/15 15:02	1
Styrene	ND		5.0	0.64	ug/L			07/09/15 15:02	1
Tetrachloroethene	ND		5.0	0.82	ug/L			07/09/15 15:02	1
Toluene	**0.95**	**J**	5.0	0.85	ug/L			07/09/15 15:02	1
trans-1,2-Dichloroethene	ND		5.0	0.75	ug/L			07/09/15 15:02	1
trans-1,3-Dichloropropene	ND		5.0	0.58	ug/L			07/09/15 15:02	1
Trichloroethene	ND		5.0	0.80	ug/L			07/09/15 15:02	1
Vinyl acetate	ND		5.0	0.86	ug/L			07/09/15 15:02	1
Vinyl chloride	ND		5.0	1.3	ug/L			07/09/15 15:02	1
Xylenes, Total	ND		10	1.7	ug/L			07/09/15 15:02	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Sulfur dioxide	*96*	*T J N*	*ug/L*		*1.26*	*7446-09-5*		*07/09/15 15:02*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*84*		*62 - 123*		*07/09/15 15:02*	*1*
4-Bromofluorobenzene (Surr)	*87*		*75 - 120*		*07/09/15 15:02*	*1*
Dibromofluoromethane (Surr)	*109*		*80 - 120*		*07/09/15 15:02*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*07/09/15 15:02*	*1*

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

Client Sample ID: RB-9954-070215-SG-046
Date Collected: 07/02/15 12:30
Date Received: 07/03/15 09:40

Lab Sample ID: 180-45625-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		1.9	0.28	ug/L		07/08/15 09:12	07/17/15 15:39	1
Acenaphthylene	ND		1.9	0.21	ug/L		07/08/15 09:12	07/17/15 15:39	1
Anthracene	ND		1.9	0.18	ug/L		07/08/15 09:12	07/17/15 15:39	1
Benzo[a]anthracene	ND		1.9	0.35	ug/L		07/08/15 09:12	07/17/15 15:39	1
Benzo[b]fluoranthene	ND		1.9	0.47	ug/L		07/08/15 09:12	07/17/15 15:39	1
Benzo[k]fluoranthene	ND		1.9	0.29	ug/L		07/08/15 09:12	07/17/15 15:39	1
Benzoic acid	ND		48	16	ug/L		07/08/15 09:12	07/17/15 15:39	1
Benzo[g,h,i]perylene	ND		1.9	0.28	ug/L		07/08/15 09:12	07/17/15 15:39	1
Benzo[a]pyrene	ND		1.9	0.27	ug/L		07/08/15 09:12	07/17/15 15:39	1
Benzyl alcohol	ND		9.6	1.9	ug/L		07/08/15 09:12	07/17/15 15:39	1
Bis(2-chloroethoxy)methane	ND		9.6	1.3	ug/L		07/08/15 09:12	07/17/15 15:39	1
Bis(2-chloroethyl)ether	ND		9.6	0.30	ug/L		07/08/15 09:12	07/17/15 15:39	1
Bis(2-ethylhexyl) phthalate	ND		19	4.2	ug/L		07/08/15 09:12	07/17/15 15:39	1
4-Bromophenyl phenyl ether	ND		9.6	1.1	ug/L		07/08/15 09:12	07/17/15 15:39	1
Butyl benzyl phthalate	ND		9.6	2.1	ug/L		07/08/15 09:12	07/17/15 15:39	1
4-Chloroaniline	ND		9.6	2.8	ug/L		07/08/15 09:12	07/17/15 15:39	1
4-Chloro-3-methylphenol	ND		9.6	1.6	ug/L		07/08/15 09:12	07/17/15 15:39	1
2-Chloronaphthalene	ND		1.9	0.30	ug/L		07/08/15 09:12	07/17/15 15:39	1
2-Chlorophenol	ND		9.6	2.2	ug/L		07/08/15 09:12	07/17/15 15:39	1
4-Chlorophenyl phenyl ether	ND		9.6	0.77	ug/L		07/08/15 09:12	07/17/15 15:39	1
Chrysene	ND		1.9	0.30	ug/L		07/08/15 09:12	07/17/15 15:39	1
Dibenz(a,h)anthracene	ND		1.9	0.26	ug/L		07/08/15 09:12	07/17/15 15:39	1
Dibenzofuran	ND		9.6	0.93	ug/L		07/08/15 09:12	07/17/15 15:39	1
Di-n-butyl phthalate	ND		9.6	2.3	ug/L		07/08/15 09:12	07/17/15 15:39	1
1,2-Dichlorobenzene	ND		9.6	1.0	ug/L		07/08/15 09:12	07/17/15 15:39	1
1,3-Dichlorobenzene	ND		9.6	0.72	ug/L		07/08/15 09:12	07/17/15 15:39	1
3,3'-Dichlorobenzidine	ND		9.6	1.4	ug/L		07/08/15 09:12	07/17/15 15:39	1
2,4-Dichlorophenol	ND		9.6	0.65	ug/L		07/08/15 09:12	07/17/15 15:39	1
Diethyl phthalate	ND		9.6	2.9	ug/L		07/08/15 09:12	07/17/15 15:39	1
2,4-Dimethylphenol	ND		9.6	1.6	ug/L		07/08/15 09:12	07/17/15 15:39	1
Dimethyl phthalate	ND		9.6	1.8	ug/L		07/08/15 09:12	07/17/15 15:39	1
4,6-Dinitro-2-methylphenol	ND		48	15	ug/L		07/08/15 09:12	07/17/15 15:39	1
2,4-Dinitrophenol	ND		48	24	ug/L		07/08/15 09:12	07/17/15 15:39	1
2,4-Dinitrotoluene	ND		9.6	2.1	ug/L		07/08/15 09:12	07/17/15 15:39	1
2,6-Dinitrotoluene	ND		9.6	1.3	ug/L		07/08/15 09:12	07/17/15 15:39	1
Di-n-octyl phthalate	ND		9.6	2.0	ug/L		07/08/15 09:12	07/17/15 15:39	1
Fluoranthene	ND		1.9	0.20	ug/L		07/08/15 09:12	07/17/15 15:39	1
Fluorene	ND		1.9	0.23	ug/L		07/08/15 09:12	07/17/15 15:39	1
Hexachlorobenzene	ND		9.6	0.59	ug/L		07/08/15 09:12	07/17/15 15:39	1
Hexachlorobutadiene	ND		9.6	0.90	ug/L		07/08/15 09:12	07/17/15 15:39	1
Hexachlorocyclopentadiene	ND		9.6	1.3	ug/L		07/08/15 09:12	07/17/15 15:39	1
Hexachloroethane	ND		9.6	1.3	ug/L		07/08/15 09:12	07/17/15 15:39	1
Indeno[1,2,3-cd]pyrene	ND		1.9	0.42	ug/L		07/08/15 09:12	07/17/15 15:39	1
Isophorone	ND		9.6	0.71	ug/L		07/08/15 09:12	07/17/15 15:39	1
2-Methylnaphthalene	ND		1.9	0.18	ug/L		07/08/15 09:12	07/17/15 15:39	1
2-Methylphenol	ND		9.6	1.8	ug/L		07/08/15 09:12	07/17/15 15:39	1
4-Methylphenol	ND		9.6	2.0	ug/L		07/08/15 09:12	07/17/15 15:39	1
Naphthalene	ND		1.9	0.22	ug/L		07/08/15 09:12	07/17/15 15:39	1
2-Nitroaniline	ND		48	6.5	ug/L		07/08/15 09:12	07/17/15 15:39	1

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

Client Sample ID: RB-9954-070215-SG-046
Date Collected: 07/02/15 12:30
Date Received: 07/03/15 09:40

Lab Sample ID: 180-45625-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		48	7.7	ug/L		07/08/15 09:12	07/17/15 15:39	1
4-Nitroaniline	ND		48	7.4	ug/L		07/08/15 09:12	07/17/15 15:39	1
Nitrobenzene	ND		19	1.4	ug/L		07/08/15 09:12	07/17/15 15:39	1
2-Nitrophenol	ND		9.6	1.1	ug/L		07/08/15 09:12	07/17/15 15:39	1
4-Nitrophenol	ND		48	7.7	ug/L		07/08/15 09:12	07/17/15 15:39	1
N-Nitrosodiphenylamine	ND		9.6	1.2	ug/L		07/08/15 09:12	07/17/15 15:39	1
N-Nitrosodi-n-propylamine	ND		9.6	0.48	ug/L		07/08/15 09:12	07/17/15 15:39	1
Pentachlorophenol	ND		9.6	4.8	ug/L		07/08/15 09:12	07/17/15 15:39	1
Phenanthrene	ND		1.9	0.40	ug/L		07/08/15 09:12	07/17/15 15:39	1
Phenol	ND		9.6	0.53	ug/L		07/08/15 09:12	07/17/15 15:39	1
Pyrene	ND		1.9	0.22	ug/L		07/08/15 09:12	07/17/15 15:39	1
1,2,4-Trichlorobenzene	ND		9.6	0.82	ug/L		07/08/15 09:12	07/17/15 15:39	1
2,4,5-Trichlorophenol	ND		9.6	1.2	ug/L		07/08/15 09:12	07/17/15 15:39	1
2,4,6-Trichlorophenol	ND		9.6	2.9	ug/L		07/08/15 09:12	07/17/15 15:39	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*				*07/08/15 09:12*	*07/17/15 15:39*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*28 - 106*	*07/08/15 09:12*	*07/17/15 15:39*	*1*
2-Fluorophenol	*65*		*20 - 108*	*07/08/15 09:12*	*07/17/15 15:39*	*1*
2,4,6-Tribromophenol	*40*		*25 - 118*	*07/08/15 09:12*	*07/17/15 15:39*	*1*
Nitrobenzene-d5	*71*		*27 - 110*	*07/08/15 09:12*	*07/17/15 15:39*	*1*
Phenol-d5	*66*		*23 - 111*	*07/08/15 09:12*	*07/17/15 15:39*	*1*
Terphenyl-d14	*67*		*20 - 109*	*07/08/15 09:12*	*07/17/15 15:39*	*1*

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

Client Sample ID: WG-9954-070215-SG-041
Date Collected: 07/02/15 09:00
Date Received: 07/03/15 09:40

Lab Sample ID: 180-45625-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		1.9	0.27	ug/L		07/08/15 09:12	07/17/15 16:07	1
Acenaphthylene	ND		1.9	0.20	ug/L		07/08/15 09:12	07/17/15 16:07	1
Anthracene	ND		1.9	0.18	ug/L		07/08/15 09:12	07/17/15 16:07	1
Benzo[a]anthracene	ND		1.9	0.34	ug/L		07/08/15 09:12	07/17/15 16:07	1
Benzo[b]fluoranthene	ND		1.9	0.45	ug/L		07/08/15 09:12	07/17/15 16:07	1
Benzo[k]fluoranthene	ND		1.9	0.28	ug/L		07/08/15 09:12	07/17/15 16:07	1
Benzoic acid	ND		46	15	ug/L		07/08/15 09:12	07/17/15 16:07	1
Benzo[g,h,i]perylene	ND		1.9	0.27	ug/L		07/08/15 09:12	07/17/15 16:07	1
Benzo[a]pyrene	ND		1.9	0.26	ug/L		07/08/15 09:12	07/17/15 16:07	1
Benzyl alcohol	ND		9.3	1.8	ug/L		07/08/15 09:12	07/17/15 16:07	1
Bis(2-chloroethoxy)methane	ND		9.3	1.2	ug/L		07/08/15 09:12	07/17/15 16:07	1
Bis(2-chloroethyl)ether	ND		9.3	0.29	ug/L		07/08/15 09:12	07/17/15 16:07	1
Bis(2-ethylhexyl) phthalate	ND		19	4.1	ug/L		07/08/15 09:12	07/17/15 16:07	1
4-Bromophenyl phenyl ether	ND		9.3	1.1	ug/L		07/08/15 09:12	07/17/15 16:07	1
Butyl benzyl phthalate	ND		9.3	2.0	ug/L		07/08/15 09:12	07/17/15 16:07	1
4-Chloroaniline	ND		9.3	2.7	ug/L		07/08/15 09:12	07/17/15 16:07	1
4-Chloro-3-methylphenol	ND		9.3	1.6	ug/L		07/08/15 09:12	07/17/15 16:07	1
2-Chloronaphthalene	ND		1.9	0.28	ug/L		07/08/15 09:12	07/17/15 16:07	1
2-Chlorophenol	ND		9.3	2.1	ug/L		07/08/15 09:12	07/17/15 16:07	1
4-Chlorophenyl phenyl ether	ND		9.3	0.74	ug/L		07/08/15 09:12	07/17/15 16:07	1
Chrysene	ND		1.9	0.29	ug/L		07/08/15 09:12	07/17/15 16:07	1
Dibenz(a,h)anthracene	ND		1.9	0.25	ug/L		07/08/15 09:12	07/17/15 16:07	1
Dibenzofuran	ND		9.3	0.89	ug/L		07/08/15 09:12	07/17/15 16:07	1
Di-n-butyl phthalate	ND		9.3	2.2	ug/L		07/08/15 09:12	07/17/15 16:07	1
1,2-Dichlorobenzene	ND		9.3	1.0	ug/L		07/08/15 09:12	07/17/15 16:07	1
1,3-Dichlorobenzene	ND		9.3	0.70	ug/L		07/08/15 09:12	07/17/15 16:07	1
3,3'-Dichlorobenzidine	ND		9.3	1.4	ug/L		07/08/15 09:12	07/17/15 16:07	1
2,4-Dichlorophenol	ND		9.3	0.62	ug/L		07/08/15 09:12	07/17/15 16:07	1
Diethyl phthalate	ND		9.3	2.7	ug/L		07/08/15 09:12	07/17/15 16:07	1
2,4-Dimethylphenol	ND		9.3	1.6	ug/L		07/08/15 09:12	07/17/15 16:07	1
Dimethyl phthalate	ND		9.3	1.7	ug/L		07/08/15 09:12	07/17/15 16:07	1
4,6-Dinitro-2-methylphenol	ND		46	14	ug/L		07/08/15 09:12	07/17/15 16:07	1
2,4-Dinitrophenol	ND		46	23	ug/L		07/08/15 09:12	07/17/15 16:07	1
2,4-Dinitrotoluene	ND		9.3	2.0	ug/L		07/08/15 09:12	07/17/15 16:07	1
2,6-Dinitrotoluene	ND		9.3	1.3	ug/L		07/08/15 09:12	07/17/15 16:07	1
Di-n-octyl phthalate	ND		9.3	1.9	ug/L		07/08/15 09:12	07/17/15 16:07	1
Fluoranthene	ND		1.9	0.20	ug/L		07/08/15 09:12	07/17/15 16:07	1
Fluorene	ND		1.9	0.22	ug/L		07/08/15 09:12	07/17/15 16:07	1
Hexachlorobenzene	ND		9.3	0.56	ug/L		07/08/15 09:12	07/17/15 16:07	1
Hexachlorobutadiene	ND		9.3	0.87	ug/L		07/08/15 09:12	07/17/15 16:07	1
Hexachlorocyclopentadiene	ND		9.3	1.3	ug/L		07/08/15 09:12	07/17/15 16:07	1
Hexachloroethane	ND		9.3	1.3	ug/L		07/08/15 09:12	07/17/15 16:07	1
Indeno[1,2,3-cd]pyrene	ND		1.9	0.40	ug/L		07/08/15 09:12	07/17/15 16:07	1
Isophorone	ND		9.3	0.68	ug/L		07/08/15 09:12	07/17/15 16:07	1
2-Methylnaphthalene	ND		1.9	0.18	ug/L		07/08/15 09:12	07/17/15 16:07	1
2-Methylphenol	ND		9.3	1.7	ug/L		07/08/15 09:12	07/17/15 16:07	1
4-Methylphenol	ND		9.3	1.9	ug/L		07/08/15 09:12	07/17/15 16:07	1
Naphthalene	ND		1.9	0.21	ug/L		07/08/15 09:12	07/17/15 16:07	1
2-Nitroaniline	ND		46	6.2	ug/L		07/08/15 09:12	07/17/15 16:07	1

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

Client Sample ID: WG-9954-070215-SG-041
Date Collected: 07/02/15 09:00
Date Received: 07/03/15 09:40

Lab Sample ID: 180-45625-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		46	7.5	ug/L		07/08/15 09:12	07/17/15 16:07	1
4-Nitroaniline	ND		46	7.2	ug/L		07/08/15 09:12	07/17/15 16:07	1
Nitrobenzene	ND		19	1.4	ug/L		07/08/15 09:12	07/17/15 16:07	1
2-Nitrophenol	ND		9.3	1.0	ug/L		07/08/15 09:12	07/17/15 16:07	1
4-Nitrophenol	ND		46	7.4	ug/L		07/08/15 09:12	07/17/15 16:07	1
N-Nitrosodiphenylamine	ND		9.3	1.1	ug/L		07/08/15 09:12	07/17/15 16:07	1
N-Nitrosodi-n-propylamine	ND		9.3	0.46	ug/L		07/08/15 09:12	07/17/15 16:07	1
Pentachlorophenol	ND		9.3	4.6	ug/L		07/08/15 09:12	07/17/15 16:07	1
Phenanthrene	ND		1.9	0.38	ug/L		07/08/15 09:12	07/17/15 16:07	1
Phenol	ND		9.3	0.51	ug/L		07/08/15 09:12	07/17/15 16:07	1
Pyrene	ND		1.9	0.21	ug/L		07/08/15 09:12	07/17/15 16:07	1
1,2,4-Trichlorobenzene	ND		9.3	0.79	ug/L		07/08/15 09:12	07/17/15 16:07	1
2,4,5-Trichlorophenol	ND		9.3	1.1	ug/L		07/08/15 09:12	07/17/15 16:07	1
2,4,6-Trichlorophenol	ND		9.3	2.8	ug/L		07/08/15 09:12	07/17/15 16:07	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*				*07/08/15 09:12*	*07/17/15 16:07*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*66*		*28 - 106*	*07/08/15 09:12*	*07/17/15 16:07*	*1*
2-Fluorophenol	*65*		*20 - 108*	*07/08/15 09:12*	*07/17/15 16:07*	*1*
2,4,6-Tribromophenol	*42*		*25 - 118*	*07/08/15 09:12*	*07/17/15 16:07*	*1*
Nitrobenzene-d5	*71*		*27 - 110*	*07/08/15 09:12*	*07/17/15 16:07*	*1*
Phenol-d5	*65*		*23 - 111*	*07/08/15 09:12*	*07/17/15 16:07*	*1*
Terphenyl-d14	*66*		*20 - 109*	*07/08/15 09:12*	*07/17/15 16:07*	*1*

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

Client Sample ID: WG-9954-070215-SG-042
Date Collected: 07/02/15 10:00
Date Received: 07/03/15 09:40

Lab Sample ID: 180-45625-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		1.9	0.27	ug/L		07/08/15 09:12	07/17/15 16:35	1
Acenaphthylene	ND		1.9	0.20	ug/L		07/08/15 09:12	07/17/15 16:35	1
Anthracene	ND		1.9	0.18	ug/L		07/08/15 09:12	07/17/15 16:35	1
Benzo[a]anthracene	ND		1.9	0.34	ug/L		07/08/15 09:12	07/17/15 16:35	1
Benzo[b]fluoranthene	ND		1.9	0.45	ug/L		07/08/15 09:12	07/17/15 16:35	1
Benzo[k]fluoranthene	ND		1.9	0.28	ug/L		07/08/15 09:12	07/17/15 16:35	1
Benzoic acid	ND		46	15	ug/L		07/08/15 09:12	07/17/15 16:35	1
Benzo[g,h,i]perylene	ND		1.9	0.27	ug/L		07/08/15 09:12	07/17/15 16:35	1
Benzo[a]pyrene	ND		1.9	0.26	ug/L		07/08/15 09:12	07/17/15 16:35	1
Benzyl alcohol	ND		9.3	1.8	ug/L		07/08/15 09:12	07/17/15 16:35	1
Bis(2-chloroethoxy)methane	ND		9.3	1.2	ug/L		07/08/15 09:12	07/17/15 16:35	1
Bis(2-chloroethyl)ether	ND		9.3	0.29	ug/L		07/08/15 09:12	07/17/15 16:35	1
Bis(2-ethylhexyl) phthalate	ND		19	4.1	ug/L		07/08/15 09:12	07/17/15 16:35	1
4-Bromophenyl phenyl ether	ND		9.3	1.1	ug/L		07/08/15 09:12	07/17/15 16:35	1
Butyl benzyl phthalate	ND		9.3	2.0	ug/L		07/08/15 09:12	07/17/15 16:35	1
4-Chloroaniline	ND		9.3	2.7	ug/L		07/08/15 09:12	07/17/15 16:35	1
4-Chloro-3-methylphenol	ND		9.3	1.6	ug/L		07/08/15 09:12	07/17/15 16:35	1
2-Chloronaphthalene	ND		1.9	0.28	ug/L		07/08/15 09:12	07/17/15 16:35	1
2-Chlorophenol	ND		9.3	2.1	ug/L		07/08/15 09:12	07/17/15 16:35	1
4-Chlorophenyl phenyl ether	ND		9.3	0.74	ug/L		07/08/15 09:12	07/17/15 16:35	1
Chrysene	ND		1.9	0.29	ug/L		07/08/15 09:12	07/17/15 16:35	1
Dibenz(a,h)anthracene	ND		1.9	0.25	ug/L		07/08/15 09:12	07/17/15 16:35	1
Dibenzofuran	ND		9.3	0.89	ug/L		07/08/15 09:12	07/17/15 16:35	1
Di-n-butyl phthalate	ND		9.3	2.2	ug/L		07/08/15 09:12	07/17/15 16:35	1
1,2-Dichlorobenzene	ND		9.3	1.0	ug/L		07/08/15 09:12	07/17/15 16:35	1
1,3-Dichlorobenzene	ND		9.3	0.70	ug/L		07/08/15 09:12	07/17/15 16:35	1
3,3'-Dichlorobenzidine	ND		9.3	1.4	ug/L		07/08/15 09:12	07/17/15 16:35	1
2,4-Dichlorophenol	ND		9.3	0.62	ug/L		07/08/15 09:12	07/17/15 16:35	1
Diethyl phthalate	ND		9.3	2.7	ug/L		07/08/15 09:12	07/17/15 16:35	1
2,4-Dimethylphenol	ND		9.3	1.6	ug/L		07/08/15 09:12	07/17/15 16:35	1
Dimethyl phthalate	ND		9.3	1.7	ug/L		07/08/15 09:12	07/17/15 16:35	1
4,6-Dinitro-2-methylphenol	ND		46	14	ug/L		07/08/15 09:12	07/17/15 16:35	1
2,4-Dinitrophenol	ND		46	23	ug/L		07/08/15 09:12	07/17/15 16:35	1
2,4-Dinitrotoluene	ND		9.3	2.0	ug/L		07/08/15 09:12	07/17/15 16:35	1
2,6-Dinitrotoluene	ND		9.3	1.3	ug/L		07/08/15 09:12	07/17/15 16:35	1
Di-n-octyl phthalate	ND		9.3	1.9	ug/L		07/08/15 09:12	07/17/15 16:35	1
Fluoranthene	ND		1.9	0.20	ug/L		07/08/15 09:12	07/17/15 16:35	1
Fluorene	ND		1.9	0.22	ug/L		07/08/15 09:12	07/17/15 16:35	1
Hexachlorobenzene	ND		9.3	0.56	ug/L		07/08/15 09:12	07/17/15 16:35	1
Hexachlorobutadiene	ND		9.3	0.87	ug/L		07/08/15 09:12	07/17/15 16:35	1
Hexachlorocyclopentadiene	ND		9.3	1.3	ug/L		07/08/15 09:12	07/17/15 16:35	1
Hexachloroethane	ND		9.3	1.3	ug/L		07/08/15 09:12	07/17/15 16:35	1
Indeno[1,2,3-cd]pyrene	ND		1.9	0.40	ug/L		07/08/15 09:12	07/17/15 16:35	1
Isophorone	ND		9.3	0.68	ug/L		07/08/15 09:12	07/17/15 16:35	1
2-Methylnaphthalene	ND		1.9	0.18	ug/L		07/08/15 09:12	07/17/15 16:35	1
2-Methylphenol	ND		9.3	1.7	ug/L		07/08/15 09:12	07/17/15 16:35	1
4-Methylphenol	ND		9.3	1.9	ug/L		07/08/15 09:12	07/17/15 16:35	1
Naphthalene	ND		1.9	0.21	ug/L		07/08/15 09:12	07/17/15 16:35	1
2-Nitroaniline	ND		46	6.2	ug/L		07/08/15 09:12	07/17/15 16:35	1

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

Client Sample ID: WG-9954-070215-SG-042
Date Collected: 07/02/15 10:00
Date Received: 07/03/15 09:40

Lab Sample ID: 180-45625-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		46	7.5	ug/L		07/08/15 09:12	07/17/15 16:35	1
4-Nitroaniline	ND		46	7.2	ug/L		07/08/15 09:12	07/17/15 16:35	1
Nitrobenzene	ND		19	1.4	ug/L		07/08/15 09:12	07/17/15 16:35	1
2-Nitrophenol	ND		9.3	1.0	ug/L		07/08/15 09:12	07/17/15 16:35	1
4-Nitrophenol	ND		46	7.4	ug/L		07/08/15 09:12	07/17/15 16:35	1
N-Nitrosodiphenylamine	ND		9.3	1.1	ug/L		07/08/15 09:12	07/17/15 16:35	1
N-Nitrosodi-n-propylamine	ND		9.3	0.46	ug/L		07/08/15 09:12	07/17/15 16:35	1
Pentachlorophenol	ND		9.3	4.6	ug/L		07/08/15 09:12	07/17/15 16:35	1
Phenanthrene	ND		1.9	0.38	ug/L		07/08/15 09:12	07/17/15 16:35	1
Phenol	ND		9.3	0.51	ug/L		07/08/15 09:12	07/17/15 16:35	1
Pyrene	ND		1.9	0.21	ug/L		07/08/15 09:12	07/17/15 16:35	1
1,2,4-Trichlorobenzene	ND		9.3	0.79	ug/L		07/08/15 09:12	07/17/15 16:35	1
2,4,5-Trichlorophenol	ND		9.3	1.1	ug/L		07/08/15 09:12	07/17/15 16:35	1
2,4,6-Trichlorophenol	ND		9.3	2.8	ug/L		07/08/15 09:12	07/17/15 16:35	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*				*07/08/15 09:12*	*07/17/15 16:35*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*66*		*28 - 106*	*07/08/15 09:12*	*07/17/15 16:35*	*1*
2-Fluorophenol	*63*		*20 - 108*	*07/08/15 09:12*	*07/17/15 16:35*	*1*
2,4,6-Tribromophenol	*40*		*25 - 118*	*07/08/15 09:12*	*07/17/15 16:35*	*1*
Nitrobenzene-d5	*69*		*27 - 110*	*07/08/15 09:12*	*07/17/15 16:35*	*1*
Phenol-d5	*64*		*23 - 111*	*07/08/15 09:12*	*07/17/15 16:35*	*1*
Terphenyl-d14	*73*		*20 - 109*	*07/08/15 09:12*	*07/17/15 16:35*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45625-1

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

Client Sample ID: WG-9954-070215-SG-043
Date Collected: 07/02/15 10:00
Date Received: 07/03/15 09:40

Lab Sample ID: 180-45625-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		1.9	0.27	ug/L		07/08/15 09:12	07/17/15 17:03	1
Acenaphthylene	ND		1.9	0.20	ug/L		07/08/15 09:12	07/17/15 17:03	1
Anthracene	ND		1.9	0.18	ug/L		07/08/15 09:12	07/17/15 17:03	1
Benzo[a]anthracene	ND		1.9	0.34	ug/L		07/08/15 09:12	07/17/15 17:03	1
Benzo[b]fluoranthene	ND		1.9	0.45	ug/L		07/08/15 09:12	07/17/15 17:03	1
Benzo[k]fluoranthene	ND		1.9	0.28	ug/L		07/08/15 09:12	07/17/15 17:03	1
Benzoic acid	ND		46	15	ug/L		07/08/15 09:12	07/17/15 17:03	1
Benzo[g,h,i]perylene	ND		1.9	0.27	ug/L		07/08/15 09:12	07/17/15 17:03	1
Benzo[a]pyrene	ND		1.9	0.26	ug/L		07/08/15 09:12	07/17/15 17:03	1
Benzyl alcohol	ND		9.3	1.8	ug/L		07/08/15 09:12	07/17/15 17:03	1
Bis(2-chloroethoxy)methane	ND		9.3	1.2	ug/L		07/08/15 09:12	07/17/15 17:03	1
Bis(2-chloroethyl)ether	ND		9.3	0.29	ug/L		07/08/15 09:12	07/17/15 17:03	1
Bis(2-ethylhexyl) phthalate	ND		19	4.1	ug/L		07/08/15 09:12	07/17/15 17:03	1
4-Bromophenyl phenyl ether	ND		9.3	1.1	ug/L		07/08/15 09:12	07/17/15 17:03	1
Butyl benzyl phthalate	ND		9.3	2.0	ug/L		07/08/15 09:12	07/17/15 17:03	1
4-Chloroaniline	ND		9.3	2.7	ug/L		07/08/15 09:12	07/17/15 17:03	1
4-Chloro-3-methylphenol	ND		9.3	1.6	ug/L		07/08/15 09:12	07/17/15 17:03	1
2-Chloronaphthalene	ND		1.9	0.28	ug/L		07/08/15 09:12	07/17/15 17:03	1
2-Chlorophenol	ND		9.3	2.1	ug/L		07/08/15 09:12	07/17/15 17:03	1
4-Chlorophenyl phenyl ether	ND		9.3	0.74	ug/L		07/08/15 09:12	07/17/15 17:03	1
Chrysene	ND		1.9	0.29	ug/L		07/08/15 09:12	07/17/15 17:03	1
Dibenz(a,h)anthracene	ND		1.9	0.25	ug/L		07/08/15 09:12	07/17/15 17:03	1
Dibenzofuran	ND		9.3	0.89	ug/L		07/08/15 09:12	07/17/15 17:03	1
Di-n-butyl phthalate	ND		9.3	2.2	ug/L		07/08/15 09:12	07/17/15 17:03	1
1,2-Dichlorobenzene	ND		9.3	1.0	ug/L		07/08/15 09:12	07/17/15 17:03	1
1,3-Dichlorobenzene	ND		9.3	0.70	ug/L		07/08/15 09:12	07/17/15 17:03	1
3,3'-Dichlorobenzidine	ND		9.3	1.4	ug/L		07/08/15 09:12	07/17/15 17:03	1
2,4-Dichlorophenol	ND		9.3	0.62	ug/L		07/08/15 09:12	07/17/15 17:03	1
Diethyl phthalate	ND		9.3	2.7	ug/L		07/08/15 09:12	07/17/15 17:03	1
2,4-Dimethylphenol	ND		9.3	1.6	ug/L		07/08/15 09:12	07/17/15 17:03	1
Dimethyl phthalate	ND		9.3	1.7	ug/L		07/08/15 09:12	07/17/15 17:03	1
4,6-Dinitro-2-methylphenol	ND		46	14	ug/L		07/08/15 09:12	07/17/15 17:03	1
2,4-Dinitrophenol	ND		46	23	ug/L		07/08/15 09:12	07/17/15 17:03	1
2,4-Dinitrotoluene	ND		9.3	2.0	ug/L		07/08/15 09:12	07/17/15 17:03	1
2,6-Dinitrotoluene	ND		9.3	1.3	ug/L		07/08/15 09:12	07/17/15 17:03	1
Di-n-octyl phthalate	ND		9.3	1.9	ug/L		07/08/15 09:12	07/17/15 17:03	1
Fluoranthene	ND		1.9	0.20	ug/L		07/08/15 09:12	07/17/15 17:03	1
Fluorene	ND		1.9	0.22	ug/L		07/08/15 09:12	07/17/15 17:03	1
Hexachlorobenzene	ND		9.3	0.56	ug/L		07/08/15 09:12	07/17/15 17:03	1
Hexachlorobutadiene	ND		9.3	0.87	ug/L		07/08/15 09:12	07/17/15 17:03	1
Hexachlorocyclopentadiene	ND		9.3	1.3	ug/L		07/08/15 09:12	07/17/15 17:03	1
Hexachloroethane	ND		9.3	1.3	ug/L		07/08/15 09:12	07/17/15 17:03	1
Indeno[1,2,3-cd]pyrene	ND		1.9	0.40	ug/L		07/08/15 09:12	07/17/15 17:03	1
Isophorone	ND		9.3	0.68	ug/L		07/08/15 09:12	07/17/15 17:03	1
2-Methylnaphthalene	ND		1.9	0.18	ug/L		07/08/15 09:12	07/17/15 17:03	1
2-Methylphenol	ND		9.3	1.7	ug/L		07/08/15 09:12	07/17/15 17:03	1
4-Methylphenol	ND		9.3	1.9	ug/L		07/08/15 09:12	07/17/15 17:03	1
Naphthalene	ND		1.9	0.21	ug/L		07/08/15 09:12	07/17/15 17:03	1
2-Nitroaniline	ND		46	6.2	ug/L		07/08/15 09:12	07/17/15 17:03	1

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

Client Sample ID: WG-9954-070215-SG-043
Date Collected: 07/02/15 10:00
Date Received: 07/03/15 09:40

Lab Sample ID: 180-45625-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		46	7.5	ug/L		07/08/15 09:12	07/17/15 17:03	1
4-Nitroaniline	ND		46	7.2	ug/L		07/08/15 09:12	07/17/15 17:03	1
Nitrobenzene	ND		19	1.4	ug/L		07/08/15 09:12	07/17/15 17:03	1
2-Nitrophenol	ND		9.3	1.0	ug/L		07/08/15 09:12	07/17/15 17:03	1
4-Nitrophenol	ND		46	7.4	ug/L		07/08/15 09:12	07/17/15 17:03	1
N-Nitrosodiphenylamine	ND		9.3	1.1	ug/L		07/08/15 09:12	07/17/15 17:03	1
N-Nitrosodi-n-propylamine	ND		9.3	0.46	ug/L		07/08/15 09:12	07/17/15 17:03	1
Pentachlorophenol	ND		9.3	4.6	ug/L		07/08/15 09:12	07/17/15 17:03	1
Phenanthrene	ND		1.9	0.38	ug/L		07/08/15 09:12	07/17/15 17:03	1
Phenol	ND		9.3	0.51	ug/L		07/08/15 09:12	07/17/15 17:03	1
Pyrene	ND		1.9	0.21	ug/L		07/08/15 09:12	07/17/15 17:03	1
1,2,4-Trichlorobenzene	ND		9.3	0.79	ug/L		07/08/15 09:12	07/17/15 17:03	1
2,4,5-Trichlorophenol	ND		9.3	1.1	ug/L		07/08/15 09:12	07/17/15 17:03	1
2,4,6-Trichlorophenol	ND		9.3	2.8	ug/L		07/08/15 09:12	07/17/15 17:03	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*23*	*T J*	*ug/L*		*9.86*		*07/08/15 09:12*	*07/17/15 17:03*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*75*		*28 - 106*	*07/08/15 09:12*	*07/17/15 17:03*	*1*
2-Fluorophenol	*72*		*20 - 108*	*07/08/15 09:12*	*07/17/15 17:03*	*1*
2,4,6-Tribromophenol	*29*		*25 - 118*	*07/08/15 09:12*	*07/17/15 17:03*	*1*
Nitrobenzene-d5	*79*		*27 - 110*	*07/08/15 09:12*	*07/17/15 17:03*	*1*
Phenol-d5	*72*		*23 - 111*	*07/08/15 09:12*	*07/17/15 17:03*	*1*
Terphenyl-d14	*80*		*20 - 109*	*07/08/15 09:12*	*07/17/15 17:03*	*1*

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

Client Sample ID: WG-9954-070215-SG-044
Date Collected: 07/02/15 10:55
Date Received: 07/03/15 09:40

Lab Sample ID: 180-45625-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		1.9	0.27	ug/L		07/08/15 09:12	07/17/15 17:30	1
Acenaphthylene	ND		1.9	0.20	ug/L		07/08/15 09:12	07/17/15 17:30	1
Anthracene	ND		1.9	0.18	ug/L		07/08/15 09:12	07/17/15 17:30	1
Benzo[a]anthracene	ND		1.9	0.34	ug/L		07/08/15 09:12	07/17/15 17:30	1
Benzo[b]fluoranthene	ND		1.9	0.45	ug/L		07/08/15 09:12	07/17/15 17:30	1
Benzo[k]fluoranthene	ND		1.9	0.28	ug/L		07/08/15 09:12	07/17/15 17:30	1
Benzoic acid	ND		46	15	ug/L		07/08/15 09:12	07/17/15 17:30	1
Benzo[g,h,i]perylene	ND		1.9	0.27	ug/L		07/08/15 09:12	07/17/15 17:30	1
Benzo[a]pyrene	ND		1.9	0.26	ug/L		07/08/15 09:12	07/17/15 17:30	1
Benzyl alcohol	ND		9.3	1.8	ug/L		07/08/15 09:12	07/17/15 17:30	1
Bis(2-chloroethoxy)methane	ND		9.3	1.2	ug/L		07/08/15 09:12	07/17/15 17:30	1
Bis(2-chloroethyl)ether	ND		9.3	0.29	ug/L		07/08/15 09:12	07/17/15 17:30	1
Bis(2-ethylhexyl) phthalate	ND		19	4.1	ug/L		07/08/15 09:12	07/17/15 17:30	1
4-Bromophenyl phenyl ether	ND		9.3	1.1	ug/L		07/08/15 09:12	07/17/15 17:30	1
Butyl benzyl phthalate	ND		9.3	2.0	ug/L		07/08/15 09:12	07/17/15 17:30	1
4-Chloroaniline	ND		9.3	2.7	ug/L		07/08/15 09:12	07/17/15 17:30	1
4-Chloro-3-methylphenol	ND		9.3	1.6	ug/L		07/08/15 09:12	07/17/15 17:30	1
2-Chloronaphthalene	ND		1.9	0.28	ug/L		07/08/15 09:12	07/17/15 17:30	1
2-Chlorophenol	ND		9.3	2.1	ug/L		07/08/15 09:12	07/17/15 17:30	1
4-Chlorophenyl phenyl ether	ND		9.3	0.74	ug/L		07/08/15 09:12	07/17/15 17:30	1
Chrysene	ND		1.9	0.29	ug/L		07/08/15 09:12	07/17/15 17:30	1
Dibenz(a,h)anthracene	ND		1.9	0.25	ug/L		07/08/15 09:12	07/17/15 17:30	1
Dibenzofuran	ND		9.3	0.89	ug/L		07/08/15 09:12	07/17/15 17:30	1
Di-n-butyl phthalate	ND		9.3	2.2	ug/L		07/08/15 09:12	07/17/15 17:30	1
1,2-Dichlorobenzene	ND		9.3	1.0	ug/L		07/08/15 09:12	07/17/15 17:30	1
1,3-Dichlorobenzene	ND		9.3	0.70	ug/L		07/08/15 09:12	07/17/15 17:30	1
3,3'-Dichlorobenzidine	ND		9.3	1.4	ug/L		07/08/15 09:12	07/17/15 17:30	1
2,4-Dichlorophenol	ND		9.3	0.62	ug/L		07/08/15 09:12	07/17/15 17:30	1
Diethyl phthalate	ND		9.3	2.7	ug/L		07/08/15 09:12	07/17/15 17:30	1
2,4-Dimethylphenol	ND		9.3	1.6	ug/L		07/08/15 09:12	07/17/15 17:30	1
Dimethyl phthalate	ND		9.3	1.7	ug/L		07/08/15 09:12	07/17/15 17:30	1
4,6-Dinitro-2-methylphenol	ND		46	14	ug/L		07/08/15 09:12	07/17/15 17:30	1
2,4-Dinitrophenol	ND		46	23	ug/L		07/08/15 09:12	07/17/15 17:30	1
2,4-Dinitrotoluene	ND		9.3	2.0	ug/L		07/08/15 09:12	07/17/15 17:30	1
2,6-Dinitrotoluene	ND		9.3	1.3	ug/L		07/08/15 09:12	07/17/15 17:30	1
Di-n-octyl phthalate	ND		9.3	1.9	ug/L		07/08/15 09:12	07/17/15 17:30	1
Fluoranthene	ND		1.9	0.20	ug/L		07/08/15 09:12	07/17/15 17:30	1
Fluorene	ND		1.9	0.22	ug/L		07/08/15 09:12	07/17/15 17:30	1
Hexachlorobenzene	ND		9.3	0.56	ug/L		07/08/15 09:12	07/17/15 17:30	1
Hexachlorobutadiene	ND		9.3	0.87	ug/L		07/08/15 09:12	07/17/15 17:30	1
Hexachlorocyclopentadiene	ND		9.3	1.3	ug/L		07/08/15 09:12	07/17/15 17:30	1
Hexachloroethane	ND		9.3	1.3	ug/L		07/08/15 09:12	07/17/15 17:30	1
Indeno[1,2,3-cd]pyrene	ND		1.9	0.40	ug/L		07/08/15 09:12	07/17/15 17:30	1
Isophorone	ND		9.3	0.68	ug/L		07/08/15 09:12	07/17/15 17:30	1
2-Methylnaphthalene	ND		1.9	0.18	ug/L		07/08/15 09:12	07/17/15 17:30	1
2-Methylphenol	ND		9.3	1.7	ug/L		07/08/15 09:12	07/17/15 17:30	1
4-Methylphenol	ND		9.3	1.9	ug/L		07/08/15 09:12	07/17/15 17:30	1
Naphthalene	ND		1.9	0.21	ug/L		07/08/15 09:12	07/17/15 17:30	1
2-Nitroaniline	ND		46	6.2	ug/L		07/08/15 09:12	07/17/15 17:30	1

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

Client Sample ID: WG-9954-070215-SG-044
Date Collected: 07/02/15 10:55
Date Received: 07/03/15 09:40

Lab Sample ID: 180-45625-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		46	7.5	ug/L		07/08/15 09:12	07/17/15 17:30	1
4-Nitroaniline	ND		46	7.2	ug/L		07/08/15 09:12	07/17/15 17:30	1
Nitrobenzene	ND		19	1.4	ug/L		07/08/15 09:12	07/17/15 17:30	1
2-Nitrophenol	ND		9.3	1.0	ug/L		07/08/15 09:12	07/17/15 17:30	1
4-Nitrophenol	ND		46	7.4	ug/L		07/08/15 09:12	07/17/15 17:30	1
N-Nitrosodiphenylamine	ND		9.3	1.1	ug/L		07/08/15 09:12	07/17/15 17:30	1
N-Nitrosodi-n-propylamine	ND		9.3	0.46	ug/L		07/08/15 09:12	07/17/15 17:30	1
Pentachlorophenol	ND		9.3	4.6	ug/L		07/08/15 09:12	07/17/15 17:30	1
Phenanthrene	ND		1.9	0.38	ug/L		07/08/15 09:12	07/17/15 17:30	1
Phenol	ND		9.3	0.51	ug/L		07/08/15 09:12	07/17/15 17:30	1
Pyrene	ND		1.9	0.21	ug/L		07/08/15 09:12	07/17/15 17:30	1
1,2,4-Trichlorobenzene	ND		9.3	0.79	ug/L		07/08/15 09:12	07/17/15 17:30	1
2,4,5-Trichlorophenol	ND		9.3	1.1	ug/L		07/08/15 09:12	07/17/15 17:30	1
2,4,6-Trichlorophenol	ND		9.3	2.8	ug/L		07/08/15 09:12	07/17/15 17:30	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*				*07/08/15 09:12*	*07/17/15 17:30*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*70*		*28 - 106*	*07/08/15 09:12*	*07/17/15 17:30*	*1*
2-Fluorophenol	*67*		*20 - 108*	*07/08/15 09:12*	*07/17/15 17:30*	*1*
2,4,6-Tribromophenol	*27*		*25 - 118*	*07/08/15 09:12*	*07/17/15 17:30*	*1*
Nitrobenzene-d5	*74*		*27 - 110*	*07/08/15 09:12*	*07/17/15 17:30*	*1*
Phenol-d5	*68*		*23 - 111*	*07/08/15 09:12*	*07/17/15 17:30*	*1*
Terphenyl-d14	*74*		*20 - 109*	*07/08/15 09:12*	*07/17/15 17:30*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45625-1

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

Client Sample ID: WG-9954-070215-SG-045
Date Collected: 07/02/15 12:10
Date Received: 07/03/15 09:40

Lab Sample ID: 180-45625-7
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		1.9	0.27	ug/L		07/08/15 09:12	07/18/15 08:45	1
Acenaphthylene	ND		1.9	0.20	ug/L		07/08/15 09:12	07/18/15 08:45	1
Anthracene	ND		1.9	0.18	ug/L		07/08/15 09:12	07/18/15 08:45	1
Benzo[a]anthracene	ND		1.9	0.34	ug/L		07/08/15 09:12	07/18/15 08:45	1
Benzo[b]fluoranthene	ND		1.9	0.45	ug/L		07/08/15 09:12	07/18/15 08:45	1
Benzo[k]fluoranthene	ND		1.9	0.28	ug/L		07/08/15 09:12	07/18/15 08:45	1
Benzoic acid	ND		46	15	ug/L		07/08/15 09:12	07/18/15 08:45	1
Benzo[g,h,i]perylene	ND		1.9	0.27	ug/L		07/08/15 09:12	07/18/15 08:45	1
Benzo[a]pyrene	ND		1.9	0.26	ug/L		07/08/15 09:12	07/18/15 08:45	1
Benzyl alcohol	ND		9.3	1.8	ug/L		07/08/15 09:12	07/18/15 08:45	1
Bis(2-chloroethoxy)methane	ND		9.3	1.2	ug/L		07/08/15 09:12	07/18/15 08:45	1
Bis(2-chloroethyl)ether	ND		9.3	0.29	ug/L		07/08/15 09:12	07/18/15 08:45	1
Bis(2-ethylhexyl) phthalate	ND		19	4.1	ug/L		07/08/15 09:12	07/18/15 08:45	1
4-Bromophenyl phenyl ether	ND		9.3	1.1	ug/L		07/08/15 09:12	07/18/15 08:45	1
Butyl benzyl phthalate	ND		9.3	2.0	ug/L		07/08/15 09:12	07/18/15 08:45	1
4-Chloroaniline	ND		9.3	2.7	ug/L		07/08/15 09:12	07/18/15 08:45	1
4-Chloro-3-methylphenol	ND		9.3	1.6	ug/L		07/08/15 09:12	07/18/15 08:45	1
2-Chloronaphthalene	ND		1.9	0.28	ug/L		07/08/15 09:12	07/18/15 08:45	1
2-Chlorophenol	ND		9.3	2.1	ug/L		07/08/15 09:12	07/18/15 08:45	1
4-Chlorophenyl phenyl ether	ND		9.3	0.74	ug/L		07/08/15 09:12	07/18/15 08:45	1
Chrysene	ND		1.9	0.29	ug/L		07/08/15 09:12	07/18/15 08:45	1
Dibenz(a,h)anthracene	ND		1.9	0.25	ug/L		07/08/15 09:12	07/18/15 08:45	1
Dibenzofuran	ND		9.3	0.89	ug/L		07/08/15 09:12	07/18/15 08:45	1
Di-n-butyl phthalate	ND		9.3	2.2	ug/L		07/08/15 09:12	07/18/15 08:45	1
1,2-Dichlorobenzene	ND		9.3	1.0	ug/L		07/08/15 09:12	07/18/15 08:45	1
1,3-Dichlorobenzene	ND		9.3	0.70	ug/L		07/08/15 09:12	07/18/15 08:45	1
3,3'-Dichlorobenzidine	ND		9.3	1.4	ug/L		07/08/15 09:12	07/18/15 08:45	1
2,4-Dichlorophenol	ND		9.3	0.62	ug/L		07/08/15 09:12	07/18/15 08:45	1
Diethyl phthalate	ND		9.3	2.7	ug/L		07/08/15 09:12	07/18/15 08:45	1
2,4-Dimethylphenol	ND		9.3	1.6	ug/L		07/08/15 09:12	07/18/15 08:45	1
Dimethyl phthalate	ND		9.3	1.7	ug/L		07/08/15 09:12	07/18/15 08:45	1
4,6-Dinitro-2-methylphenol	ND		46	14	ug/L		07/08/15 09:12	07/18/15 08:45	1
2,4-Dinitrophenol	ND		46	23	ug/L		07/08/15 09:12	07/18/15 08:45	1
2,4-Dinitrotoluene	ND		9.3	2.0	ug/L		07/08/15 09:12	07/18/15 08:45	1
2,6-Dinitrotoluene	ND		9.3	1.3	ug/L		07/08/15 09:12	07/18/15 08:45	1
Di-n-octyl phthalate	ND		9.3	1.9	ug/L		07/08/15 09:12	07/18/15 08:45	1
Fluoranthene	ND		1.9	0.20	ug/L		07/08/15 09:12	07/18/15 08:45	1
Fluorene	ND		1.9	0.22	ug/L		07/08/15 09:12	07/18/15 08:45	1
Hexachlorobenzene	ND		9.3	0.56	ug/L		07/08/15 09:12	07/18/15 08:45	1
Hexachlorobutadiene	ND		9.3	0.87	ug/L		07/08/15 09:12	07/18/15 08:45	1
Hexachlorocyclopentadiene	ND		9.3	1.3	ug/L		07/08/15 09:12	07/18/15 08:45	1
Hexachloroethane	ND		9.3	1.3	ug/L		07/08/15 09:12	07/18/15 08:45	1
Indeno[1,2,3-cd]pyrene	ND		1.9	0.40	ug/L		07/08/15 09:12	07/18/15 08:45	1
Isophorone	ND		9.3	0.68	ug/L		07/08/15 09:12	07/18/15 08:45	1
2-Methylnaphthalene	ND		1.9	0.18	ug/L		07/08/15 09:12	07/18/15 08:45	1
2-Methylphenol	ND		9.3	1.7	ug/L		07/08/15 09:12	07/18/15 08:45	1
4-Methylphenol	ND		9.3	1.9	ug/L		07/08/15 09:12	07/18/15 08:45	1
Naphthalene	ND		1.9	0.21	ug/L		07/08/15 09:12	07/18/15 08:45	1
2-Nitroaniline	ND		46	6.2	ug/L		07/08/15 09:12	07/18/15 08:45	1

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

Client Sample ID: WG-9954-070215-SG-045
Date Collected: 07/02/15 12:10
Date Received: 07/03/15 09:40

Lab Sample ID: 180-45625-7
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		46	7.5	ug/L		07/08/15 09:12	07/18/15 08:45	1
4-Nitroaniline	ND		46	7.2	ug/L		07/08/15 09:12	07/18/15 08:45	1
Nitrobenzene	ND		19	1.4	ug/L		07/08/15 09:12	07/18/15 08:45	1
2-Nitrophenol	ND		9.3	1.0	ug/L		07/08/15 09:12	07/18/15 08:45	1
4-Nitrophenol	ND		46	7.4	ug/L		07/08/15 09:12	07/18/15 08:45	1
N-Nitrosodiphenylamine	ND		9.3	1.1	ug/L		07/08/15 09:12	07/18/15 08:45	1
N-Nitrosodi-n-propylamine	ND		9.3	0.46	ug/L		07/08/15 09:12	07/18/15 08:45	1
Pentachlorophenol	ND		9.3	4.6	ug/L		07/08/15 09:12	07/18/15 08:45	1
Phenanthrene	ND		1.9	0.38	ug/L		07/08/15 09:12	07/18/15 08:45	1
Phenol	ND		9.3	0.51	ug/L		07/08/15 09:12	07/18/15 08:45	1
Pyrene	ND		1.9	0.21	ug/L		07/08/15 09:12	07/18/15 08:45	1
1,2,4-Trichlorobenzene	ND		9.3	0.79	ug/L		07/08/15 09:12	07/18/15 08:45	1
2,4,5-Trichlorophenol	ND		9.3	1.1	ug/L		07/08/15 09:12	07/18/15 08:45	1
2,4,6-Trichlorophenol	ND		9.3	2.8	ug/L		07/08/15 09:12	07/18/15 08:45	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*				*07/08/15 09:12*	*07/18/15 08:45*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*67*		*28 - 106*	*07/08/15 09:12*	*07/18/15 08:45*	*1*
2-Fluorophenol	*67*		*20 - 108*	*07/08/15 09:12*	*07/18/15 08:45*	*1*
2,4,6-Tribromophenol	*60*		*25 - 118*	*07/08/15 09:12*	*07/18/15 08:45*	*1*
Nitrobenzene-d5	*73*		*27 - 110*	*07/08/15 09:12*	*07/18/15 08:45*	*1*
Phenol-d5	*67*		*23 - 111*	*07/08/15 09:12*	*07/18/15 08:45*	*1*
Terphenyl-d14	*83*		*20 - 109*	*07/08/15 09:12*	*07/18/15 08:45*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45625-1

Method: 8081B - Organochlorine Pesticides (GC)

Client Sample ID: RB-9954-070215-SG-046
Date Collected: 07/02/15 12:30
Date Received: 07/03/15 09:40

Lab Sample ID: 180-45625-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.052	0.035	ug/L		07/07/15 11:40	07/20/15 12:03	1
alpha-BHC	**0.27**		0.052	0.028	ug/L		07/07/15 11:40	07/20/15 12:03	1
beta-BHC	ND		0.052	0.041	ug/L		07/07/15 11:40	07/20/15 12:03	1
delta-BHC	**0.039**	**J**	0.052	0.018	ug/L		07/07/15 11:40	07/20/15 12:03	1
gamma-BHC (Lindane)	**0.20**		0.052	0.033	ug/L		07/07/15 11:40	07/20/15 12:03	1
alpha-Chlordane	ND		0.052	0.041	ug/L		07/07/15 11:40	07/20/15 12:03	1
gamma-Chlordane	ND		0.052	0.040	ug/L		07/07/15 11:40	07/20/15 12:03	1
4,4'-DDD	ND		0.052	0.028	ug/L		07/07/15 11:40	07/20/15 12:03	1
4,4'-DDE	ND		0.052	0.033	ug/L		07/07/15 11:40	07/20/15 12:03	1
4,4'-DDT	ND		0.052	0.031	ug/L		07/07/15 11:40	07/20/15 12:03	1
Dieldrin	ND		0.052	0.034	ug/L		07/07/15 11:40	07/20/15 12:03	1
Endosulfan I	ND		0.052	0.039	ug/L		07/07/15 11:40	07/20/15 12:03	1
Endosulfan II	ND		0.052	0.041	ug/L		07/07/15 11:40	07/20/15 12:03	1
Endosulfan sulfate	ND		0.052	0.024	ug/L		07/07/15 11:40	07/20/15 12:03	1
Endrin	ND		0.052	0.040	ug/L		07/07/15 11:40	07/20/15 12:03	1
Endrin ketone	ND		0.052	0.038	ug/L		07/07/15 11:40	07/20/15 12:03	1
Heptachlor	ND		0.052	0.041	ug/L		07/07/15 11:40	07/20/15 12:03	1
Heptachlor epoxide	ND		0.052	0.040	ug/L		07/07/15 11:40	07/20/15 12:03	1
Methoxychlor	ND		0.10	0.038	ug/L		07/07/15 11:40	07/20/15 12:03	1
Toxaphene	ND		4.2	0.78	ug/L		07/07/15 11:40	07/20/15 12:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*94*		*45 - 130*	*07/07/15 11:40*	*07/20/15 12:03*	*1*
Tetrachloro-m-xylene	*97*		*45 - 130*	*07/07/15 11:40*	*07/20/15 12:03*	*1*
DCB Decachlorobiphenyl (Surr)	*86*		*45 - 130*	*07/07/15 11:40*	*07/20/15 12:03*	*1*
DCB Decachlorobiphenyl (Surr)	*90*		*45 - 130*	*07/07/15 11:40*	*07/20/15 12:03*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45625-1

Method: 8081B - Organochlorine Pesticides (GC)

Client Sample ID: WG-9954-070215-SG-041
Date Collected: 07/02/15 09:00
Date Received: 07/03/15 09:40

Lab Sample ID: 180-45625-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.052	0.035	ug/L		07/07/15 11:40	07/20/15 12:19	1
alpha-BHC	ND		0.052	0.028	ug/L		07/07/15 11:40	07/20/15 12:19	1
beta-BHC	ND		0.052	0.041	ug/L		07/07/15 11:40	07/20/15 12:19	1
delta-BHC	**0.022**	**J p**	0.052	0.018	ug/L		07/07/15 11:40	07/20/15 12:19	1
gamma-BHC (Lindane)	ND		0.052	0.033	ug/L		07/07/15 11:40	07/20/15 12:19	1
alpha-Chlordane	ND		0.052	0.041	ug/L		07/07/15 11:40	07/20/15 12:19	1
gamma-Chlordane	ND		0.052	0.040	ug/L		07/07/15 11:40	07/20/15 12:19	1
4,4'-DDD	ND		0.052	0.028	ug/L		07/07/15 11:40	07/20/15 12:19	1
4,4'-DDE	ND		0.052	0.033	ug/L		07/07/15 11:40	07/20/15 12:19	1
4,4'-DDT	ND		0.052	0.031	ug/L		07/07/15 11:40	07/20/15 12:19	1
Dieldrin	ND		0.052	0.034	ug/L		07/07/15 11:40	07/20/15 12:19	1
Endosulfan I	ND		0.052	0.039	ug/L		07/07/15 11:40	07/20/15 12:19	1
Endosulfan II	ND		0.052	0.041	ug/L		07/07/15 11:40	07/20/15 12:19	1
Endosulfan sulfate	ND		0.052	0.024	ug/L		07/07/15 11:40	07/20/15 12:19	1
Endrin	ND		0.052	0.040	ug/L		07/07/15 11:40	07/20/15 12:19	1
Endrin ketone	ND		0.052	0.038	ug/L		07/07/15 11:40	07/20/15 12:19	1
Heptachlor	ND		0.052	0.041	ug/L		07/07/15 11:40	07/20/15 12:19	1
Heptachlor epoxide	ND		0.052	0.040	ug/L		07/07/15 11:40	07/20/15 12:19	1
Methoxychlor	ND		0.10	0.038	ug/L		07/07/15 11:40	07/20/15 12:19	1
Toxaphene	ND		4.2	0.78	ug/L		07/07/15 11:40	07/20/15 12:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*93*		*45 - 130*	*07/07/15 11:40*	*07/20/15 12:19*	*1*
Tetrachloro-m-xylene	*100*		*45 - 130*	*07/07/15 11:40*	*07/20/15 12:19*	*1*
DCB Decachlorobiphenyl (Surr)	*86*		*45 - 130*	*07/07/15 11:40*	*07/20/15 12:19*	*1*
DCB Decachlorobiphenyl (Surr)	*99*		*45 - 130*	*07/07/15 11:40*	*07/20/15 12:19*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45625-1

Method: 8081B - Organochlorine Pesticides (GC)

Client Sample ID: WG-9954-070215-SG-042
Date Collected: 07/02/15 10:00
Date Received: 07/03/15 09:40

Lab Sample ID: 180-45625-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.052	0.035	ug/L		07/07/15 11:40	07/20/15 12:34	1
alpha-BHC	**0.054**		0.052	0.028	ug/L		07/07/15 11:40	07/20/15 12:34	1
beta-BHC	ND		0.052	0.041	ug/L		07/07/15 11:40	07/20/15 12:34	1
delta-BHC	ND		0.052	0.018	ug/L		07/07/15 11:40	07/20/15 12:34	1
gamma-BHC (Lindane)	ND		0.052	0.033	ug/L		07/07/15 11:40	07/20/15 12:34	1
alpha-Chlordane	ND		0.052	0.041	ug/L		07/07/15 11:40	07/20/15 12:34	1
gamma-Chlordane	ND		0.052	0.040	ug/L		07/07/15 11:40	07/20/15 12:34	1
4,4'-DDD	ND		0.052	0.028	ug/L		07/07/15 11:40	07/20/15 12:34	1
4,4'-DDE	ND		0.052	0.033	ug/L		07/07/15 11:40	07/20/15 12:34	1
4,4'-DDT	ND		0.052	0.031	ug/L		07/07/15 11:40	07/20/15 12:34	1
Dieldrin	ND		0.052	0.034	ug/L		07/07/15 11:40	07/20/15 12:34	1
Endosulfan I	ND		0.052	0.039	ug/L		07/07/15 11:40	07/20/15 12:34	1
Endosulfan II	ND		0.052	0.041	ug/L		07/07/15 11:40	07/20/15 12:34	1
Endosulfan sulfate	ND		0.052	0.024	ug/L		07/07/15 11:40	07/20/15 12:34	1
Endrin	**0.13**		0.052	0.040	ug/L		07/07/15 11:40	07/20/15 12:34	1
Endrin ketone	ND		0.052	0.038	ug/L		07/07/15 11:40	07/20/15 12:34	1
Heptachlor	ND		0.052	0.041	ug/L		07/07/15 11:40	07/20/15 12:34	1
Heptachlor epoxide	ND		0.052	0.040	ug/L		07/07/15 11:40	07/20/15 12:34	1
Methoxychlor	ND		0.10	0.038	ug/L		07/07/15 11:40	07/20/15 12:34	1
Toxaphene	ND		4.2	0.78	ug/L		07/07/15 11:40	07/20/15 12:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*82*		*45 - 130*	*07/07/15 11:40*	*07/20/15 12:34*	*1*
Tetrachloro-m-xylene	*99*		*45 - 130*	*07/07/15 11:40*	*07/20/15 12:34*	*1*
DCB Decachlorobiphenyl (Surr)	*88*		*45 - 130*	*07/07/15 11:40*	*07/20/15 12:34*	*1*
DCB Decachlorobiphenyl (Surr)	*97*		*45 - 130*	*07/07/15 11:40*	*07/20/15 12:34*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45625-1

Method: 8081B - Organochlorine Pesticides (GC)

Client Sample ID: WG-9954-070215-SG-043
Date Collected: 07/02/15 10:00
Date Received: 07/03/15 09:40

Lab Sample ID: 180-45625-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.052	0.035	ug/L		07/07/15 11:40	07/20/15 12:50	1
alpha-BHC	**0.042**	**J**	0.052	0.028	ug/L		07/07/15 11:40	07/20/15 12:50	1
beta-BHC	ND		0.052	0.041	ug/L		07/07/15 11:40	07/20/15 12:50	1
delta-BHC	ND		0.052	0.018	ug/L		07/07/15 11:40	07/20/15 12:50	1
gamma-BHC (Lindane)	ND		0.052	0.033	ug/L		07/07/15 11:40	07/20/15 12:50	1
alpha-Chlordane	ND		0.052	0.041	ug/L		07/07/15 11:40	07/20/15 12:50	1
gamma-Chlordane	ND		0.052	0.040	ug/L		07/07/15 11:40	07/20/15 12:50	1
4,4'-DDD	ND		0.052	0.028	ug/L		07/07/15 11:40	07/20/15 12:50	1
4,4'-DDE	ND		0.052	0.033	ug/L		07/07/15 11:40	07/20/15 12:50	1
4,4'-DDT	**0.053**	**p**	0.052	0.031	ug/L		07/07/15 11:40	07/20/15 12:50	1
Dieldrin	ND		0.052	0.034	ug/L		07/07/15 11:40	07/20/15 12:50	1
Endosulfan I	ND		0.052	0.039	ug/L		07/07/15 11:40	07/20/15 12:50	1
Endosulfan II	ND		0.052	0.041	ug/L		07/07/15 11:40	07/20/15 12:50	1
Endosulfan sulfate	ND		0.052	0.024	ug/L		07/07/15 11:40	07/20/15 12:50	1
Endrin	ND		0.052	0.040	ug/L		07/07/15 11:40	07/20/15 12:50	1
Endrin ketone	ND		0.052	0.038	ug/L		07/07/15 11:40	07/20/15 12:50	1
Heptachlor	ND		0.052	0.041	ug/L		07/07/15 11:40	07/20/15 12:50	1
Heptachlor epoxide	ND		0.052	0.040	ug/L		07/07/15 11:40	07/20/15 12:50	1
Methoxychlor	ND		0.10	0.038	ug/L		07/07/15 11:40	07/20/15 12:50	1
Toxaphene	ND		4.2	0.78	ug/L		07/07/15 11:40	07/20/15 12:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*92*		*45 - 130*	*07/07/15 11:40*	*07/20/15 12:50*	*1*
Tetrachloro-m-xylene	*99*		*45 - 130*	*07/07/15 11:40*	*07/20/15 12:50*	*1*
DCB Decachlorobiphenyl (Surr)	*89*		*45 - 130*	*07/07/15 11:40*	*07/20/15 12:50*	*1*
DCB Decachlorobiphenyl (Surr)	*88*		*45 - 130*	*07/07/15 11:40*	*07/20/15 12:50*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45625-1

Method: 8081B - Organochlorine Pesticides (GC)

Client Sample ID: WG-9954-070215-SG-044
Date Collected: 07/02/15 10:55
Date Received: 07/03/15 09:40

Lab Sample ID: 180-45625-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.052	0.035	ug/L		07/07/15 11:40	07/20/15 13:06	1
alpha-BHC	**0.087**		0.052	0.028	ug/L		07/07/15 11:40	07/20/15 13:06	1
beta-BHC	ND		0.052	0.041	ug/L		07/07/15 11:40	07/20/15 13:06	1
delta-BHC	**0.061**		0.052	0.018	ug/L		07/07/15 11:40	07/20/15 13:06	1
gamma-BHC (Lindane)	**0.062**		0.052	0.033	ug/L		07/07/15 11:40	07/20/15 13:06	1
alpha-Chlordane	ND		0.052	0.041	ug/L		07/07/15 11:40	07/20/15 13:06	1
gamma-Chlordane	ND		0.052	0.040	ug/L		07/07/15 11:40	07/20/15 13:06	1
4,4'-DDD	**0.033**	**J p**	0.052	0.028	ug/L		07/07/15 11:40	07/20/15 13:06	1
4,4'-DDE	ND		0.052	0.033	ug/L		07/07/15 11:40	07/20/15 13:06	1
4,4'-DDT	**0.070**		0.052	0.031	ug/L		07/07/15 11:40	07/20/15 13:06	1
Dieldrin	ND		0.052	0.034	ug/L		07/07/15 11:40	07/20/15 13:06	1
Endosulfan I	ND		0.052	0.039	ug/L		07/07/15 11:40	07/20/15 13:06	1
Endosulfan II	ND		0.052	0.041	ug/L		07/07/15 11:40	07/20/15 13:06	1
Endosulfan sulfate	ND		0.052	0.024	ug/L		07/07/15 11:40	07/20/15 13:06	1
Endrin	ND		0.052	0.040	ug/L		07/07/15 11:40	07/20/15 13:06	1
Endrin ketone	ND		0.052	0.038	ug/L		07/07/15 11:40	07/20/15 13:06	1
Heptachlor	ND		0.052	0.041	ug/L		07/07/15 11:40	07/20/15 13:06	1
Heptachlor epoxide	ND		0.052	0.040	ug/L		07/07/15 11:40	07/20/15 13:06	1
Methoxychlor	ND		0.10	0.038	ug/L		07/07/15 11:40	07/20/15 13:06	1
Toxaphene	ND		4.2	0.78	ug/L		07/07/15 11:40	07/20/15 13:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*91*	*p*	*45 - 130*	*07/07/15 11:40*	*07/20/15 13:06*	*1*
Tetrachloro-m-xylene	*146*	*X*	*45 - 130*	*07/07/15 11:40*	*07/20/15 13:06*	*1*
DCB Decachlorobiphenyl (Surr)	*101*		*45 - 130*	*07/07/15 11:40*	*07/20/15 13:06*	*1*
DCB Decachlorobiphenyl (Surr)	*106*		*45 - 130*	*07/07/15 11:40*	*07/20/15 13:06*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45625-1

Method: 8081B - Organochlorine Pesticides (GC)

Client Sample ID: WG-9954-070215-SG-045
Date Collected: 07/02/15 12:10
Date Received: 07/03/15 09:40

Lab Sample ID: 180-45625-7
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.052	0.035	ug/L		07/07/15 11:40	07/20/15 13:21	1
alpha-BHC	ND		0.052	0.028	ug/L		07/07/15 11:40	07/20/15 13:21	1
beta-BHC	ND		0.052	0.041	ug/L		07/07/15 11:40	07/20/15 13:21	1
delta-BHC	ND		0.052	0.018	ug/L		07/07/15 11:40	07/20/15 13:21	1
gamma-BHC (Lindane)	ND		0.052	0.033	ug/L		07/07/15 11:40	07/20/15 13:21	1
alpha-Chlordane	ND		0.052	0.041	ug/L		07/07/15 11:40	07/20/15 13:21	1
gamma-Chlordane	ND		0.052	0.040	ug/L		07/07/15 11:40	07/20/15 13:21	1
4,4'-DDD	ND		0.052	0.028	ug/L		07/07/15 11:40	07/20/15 13:21	1
4,4'-DDE	ND		0.052	0.033	ug/L		07/07/15 11:40	07/20/15 13:21	1
4,4'-DDT	ND		0.052	0.031	ug/L		07/07/15 11:40	07/20/15 13:21	1
Dieldrin	ND		0.052	0.034	ug/L		07/07/15 11:40	07/20/15 13:21	1
Endosulfan I	ND		0.052	0.039	ug/L		07/07/15 11:40	07/20/15 13:21	1
Endosulfan II	ND		0.052	0.041	ug/L		07/07/15 11:40	07/20/15 13:21	1
Endosulfan sulfate	ND		0.052	0.024	ug/L		07/07/15 11:40	07/20/15 13:21	1
Endrin	ND		0.052	0.040	ug/L		07/07/15 11:40	07/20/15 13:21	1
Endrin ketone	ND		0.052	0.038	ug/L		07/07/15 11:40	07/20/15 13:21	1
Heptachlor	ND		0.052	0.041	ug/L		07/07/15 11:40	07/20/15 13:21	1
Heptachlor epoxide	ND		0.052	0.040	ug/L		07/07/15 11:40	07/20/15 13:21	1
Methoxychlor	ND		0.10	0.038	ug/L		07/07/15 11:40	07/20/15 13:21	1
Toxaphene	ND		4.2	0.78	ug/L		07/07/15 11:40	07/20/15 13:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*96*		*45 - 130*	*07/07/15 11:40*	*07/20/15 13:21*	*1*
Tetrachloro-m-xylene	*98*		*45 - 130*	*07/07/15 11:40*	*07/20/15 13:21*	*1*
DCB Decachlorobiphenyl (Surr)	*97*		*45 - 130*	*07/07/15 11:40*	*07/20/15 13:21*	*1*
DCB Decachlorobiphenyl (Surr)	*101*		*45 - 130*	*07/07/15 11:40*	*07/20/15 13:21*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45625-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: RB-9954-070215-SG-046
Date Collected: 07/02/15 12:30
Date Received: 07/03/15 09:40

Lab Sample ID: 180-45625-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.42	0.10	ug/L		07/07/15 11:40	07/08/15 14:07	1
PCB-1221	ND		0.42	0.17	ug/L		07/07/15 11:40	07/08/15 14:07	1
PCB-1232	ND		0.42	0.16	ug/L		07/07/15 11:40	07/08/15 14:07	1
PCB-1242	ND		0.42	0.077	ug/L		07/07/15 11:40	07/08/15 14:07	1
PCB-1248	ND		0.42	0.11	ug/L		07/07/15 11:40	07/08/15 14:07	1
PCB-1254	ND		0.42	0.13	ug/L		07/07/15 11:40	07/08/15 14:07	1
PCB-1260	ND		0.42	0.071	ug/L		07/07/15 11:40	07/08/15 14:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*83*		*35 - 140*	*07/07/15 11:40*	*07/08/15 14:07*	*1*
Tetrachloro-m-xylene (Surr)	*89*		*35 - 140*	*07/07/15 11:40*	*07/08/15 14:07*	*1*
DCB Decachlorobiphenyl (Surr)	*93*		*35 - 140*	*07/07/15 11:40*	*07/08/15 14:07*	*1*
DCB Decachlorobiphenyl (Surr)	*96*		*35 - 140*	*07/07/15 11:40*	*07/08/15 14:07*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45625-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: WG-9954-070215-SG-041
Date Collected: 07/02/15 09:00
Date Received: 07/03/15 09:40

Lab Sample ID: 180-45625-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.42	0.10	ug/L		07/07/15 11:40	07/08/15 14:25	1
PCB-1221	ND		0.42	0.17	ug/L		07/07/15 11:40	07/08/15 14:25	1
PCB-1232	ND		0.42	0.16	ug/L		07/07/15 11:40	07/08/15 14:25	1
PCB-1242	ND		0.42	0.077	ug/L		07/07/15 11:40	07/08/15 14:25	1
PCB-1248	ND		0.42	0.11	ug/L		07/07/15 11:40	07/08/15 14:25	1
PCB-1254	ND		0.42	0.13	ug/L		07/07/15 11:40	07/08/15 14:25	1
PCB-1260	ND		0.42	0.071	ug/L		07/07/15 11:40	07/08/15 14:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*277*	*X*	*35 - 140*	*07/07/15 11:40*	*07/08/15 14:25*	*1*
Tetrachloro-m-xylene (Surr)	*161*	*p X*	*35 - 140*	*07/07/15 11:40*	*07/08/15 14:25*	*1*
DCB Decachlorobiphenyl (Surr)	*95*		*35 - 140*	*07/07/15 11:40*	*07/08/15 14:25*	*1*
DCB Decachlorobiphenyl (Surr)	*98*		*35 - 140*	*07/07/15 11:40*	*07/08/15 14:25*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45625-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: WG-9954-070215-SG-042
Date Collected: 07/02/15 10:00
Date Received: 07/03/15 09:40

Lab Sample ID: 180-45625-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.42	0.10	ug/L		07/07/15 11:40	07/08/15 14:44	1
PCB-1221	ND		0.42	0.17	ug/L		07/07/15 11:40	07/08/15 14:44	1
PCB-1232	ND		0.42	0.16	ug/L		07/07/15 11:40	07/08/15 14:44	1
PCB-1242	ND		0.42	0.077	ug/L		07/07/15 11:40	07/08/15 14:44	1
PCB-1248	ND		0.42	0.11	ug/L		07/07/15 11:40	07/08/15 14:44	1
PCB-1254	ND		0.42	0.13	ug/L		07/07/15 11:40	07/08/15 14:44	1
PCB-1260	ND		0.42	0.071	ug/L		07/07/15 11:40	07/08/15 14:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*115*		*35 - 140*	*07/07/15 11:40*	*07/08/15 14:44*	*1*
Tetrachloro-m-xylene (Surr)	*117*		*35 - 140*	*07/07/15 11:40*	*07/08/15 14:44*	*1*
DCB Decachlorobiphenyl (Surr)	*93*		*35 - 140*	*07/07/15 11:40*	*07/08/15 14:44*	*1*
DCB Decachlorobiphenyl (Surr)	*93*		*35 - 140*	*07/07/15 11:40*	*07/08/15 14:44*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45625-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: WG-9954-070215-SG-043
Date Collected: 07/02/15 10:00
Date Received: 07/03/15 09:40

Lab Sample ID: 180-45625-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.42	0.10	ug/L		07/07/15 11:40	07/08/15 15:03	1
PCB-1221	ND		0.42	0.17	ug/L		07/07/15 11:40	07/08/15 15:03	1
PCB-1232	ND		0.42	0.16	ug/L		07/07/15 11:40	07/08/15 15:03	1
PCB-1242	ND		0.42	0.077	ug/L		07/07/15 11:40	07/08/15 15:03	1
PCB-1248	ND		0.42	0.11	ug/L		07/07/15 11:40	07/08/15 15:03	1
PCB-1254	ND		0.42	0.13	ug/L		07/07/15 11:40	07/08/15 15:03	1
PCB-1260	ND		0.42	0.071	ug/L		07/07/15 11:40	07/08/15 15:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*190*	*X*	*35 - 140*	*07/07/15 11:40*	*07/08/15 15:03*	*1*
Tetrachloro-m-xylene (Surr)	*79*	*p*	*35 - 140*	*07/07/15 11:40*	*07/08/15 15:03*	*1*
DCB Decachlorobiphenyl (Surr)	*92*		*35 - 140*	*07/07/15 11:40*	*07/08/15 15:03*	*1*
DCB Decachlorobiphenyl (Surr)	*94*		*35 - 140*	*07/07/15 11:40*	*07/08/15 15:03*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45625-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: WG-9954-070215-SG-044
Date Collected: 07/02/15 10:55
Date Received: 07/03/15 09:40

Lab Sample ID: 180-45625-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.42	0.10	ug/L		07/07/15 11:40	07/08/15 15:22	1
PCB-1221	ND		0.42	0.17	ug/L		07/07/15 11:40	07/08/15 15:22	1
PCB-1232	ND		0.42	0.16	ug/L		07/07/15 11:40	07/08/15 15:22	1
PCB-1242	ND		0.42	0.077	ug/L		07/07/15 11:40	07/08/15 15:22	1
PCB-1248	ND		0.42	0.11	ug/L		07/07/15 11:40	07/08/15 15:22	1
PCB-1254	ND		0.42	0.13	ug/L		07/07/15 11:40	07/08/15 15:22	1
PCB-1260	ND		0.42	0.071	ug/L		07/07/15 11:40	07/08/15 15:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*95*		*35 - 140*	*07/07/15 11:40*	*07/08/15 15:22*	*1*
Tetrachloro-m-xylene (Surr)	*110*		*35 - 140*	*07/07/15 11:40*	*07/08/15 15:22*	*1*
DCB Decachlorobiphenyl (Surr)	*99*		*35 - 140*	*07/07/15 11:40*	*07/08/15 15:22*	*1*
DCB Decachlorobiphenyl (Surr)	*99*		*35 - 140*	*07/07/15 11:40*	*07/08/15 15:22*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 9954, Love Canal Annual

TestAmerica Job ID: 180-45625-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: WG-9954-070215-SG-045
Date Collected: 07/02/15 12:10
Date Received: 07/03/15 09:40

Lab Sample ID: 180-45625-7
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.42	0.10	ug/L		07/07/15 11:40	07/08/15 15:40	1
PCB-1221	ND		0.42	0.17	ug/L		07/07/15 11:40	07/08/15 15:40	1
PCB-1232	ND		0.42	0.16	ug/L		07/07/15 11:40	07/08/15 15:40	1
PCB-1242	ND		0.42	0.077	ug/L		07/07/15 11:40	07/08/15 15:40	1
PCB-1248	ND		0.42	0.11	ug/L		07/07/15 11:40	07/08/15 15:40	1
PCB-1254	ND		0.42	0.13	ug/L		07/07/15 11:40	07/08/15 15:40	1
PCB-1260	ND		0.42	0.071	ug/L		07/07/15 11:40	07/08/15 15:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*99*		*35 - 140*	*07/07/15 11:40*	*07/08/15 15:40*	*1*
Tetrachloro-m-xylene (Surr)	*104*		*35 - 140*	*07/07/15 11:40*	*07/08/15 15:40*	*1*
DCB Decachlorobiphenyl (Surr)	*95*		*35 - 140*	*07/07/15 11:40*	*07/08/15 15:40*	*1*
DCB Decachlorobiphenyl (Surr)	*99*		*35 - 140*	*07/07/15 11:40*	*07/08/15 15:40*	*1*

EVENT COMPLETE

CHAIN-OF-CUSTODY/Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Client Information

GLEN SPRINGS HOLDINGS INC	Report To: Susan Scrocchi
805 97TH STREET	Copy To:
LOVE CANAL	
NIAGARA FALLS, NEW YORK 14304	Invoice To:
Phone: 716-283-0111	PO:
Fax: 716-283-2856	Project Name: LOVE CANAL ANNUAL GW
Email: sscrocchi@craworld.com	Project Number: 9954

Lab Information

Laboratory: TEST AMERICA PITTSBURGH

Laboratory Location: 301 ALPHA DRIVE PITTSBURGH, PA 15238

Laboratory Contact: JILL COLUSSY

Requested Due Date: TAT: 10

QA/QC Requirements:

Event Information

ID#: LC ANNUAL GW SAMPLING-08-1

SSOW Ref#:

Sampler Name: SHAWN GARDNER

180-45625 Chain of Custody

Valid Matrix Code
WG Groundwater
WB Borehole Water
WS Surface Water
SO Soil
SE Sediment

Sample Condition

Temp in C	
Received on ice	Y/N
Sealed Cooler	Y/N
Samples Intact	Y/N

Sample Identification	Matrix Code	Date Collected	Time Collected	PestPCBs(None)	SVOC(none)	VOA(HCl)	Remarks
LCTRIP-070215-SG	WG Q	07/02/2015	00:00	4	0	3	
RB-9954-070215-SG-046	WG Q	07/02/2015	12:30	4	2	3	
WG-9954-070215-SG-041	WG	07/02/2015	09:00	4	2	3	
WG-9954-070215-SG-042	WG	07/02/2015	10:00	4	2	3	
WG-9954-070215-SG-043	WG	07/02/2015	10:00	4	2	3	
WG-9954-070215-SG-044	WG	07/02/2015	10:55	4	2	3	
WG-9954-070215-SG-045	WG	07/02/2015	12:10	4	2	3	
Total Bottles				**28**	**12**	**21**	**Grand Total:61**

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY:	DATE	TIME	RECIEVED BY:	DATE	TIME
FedEx	2	Shawn Gardner	7/2/15	1400	Debbie Watson	7-3-15	
AIRBILL#:					TAP		9:40

Appendix F
Analytical Results and QA/QC Review
Long-Term Monitoring Program
Love Canal
June through July 2015

Memorandum

To:	Joe Branch	Ref. No.:	009954
From:	Kathy Willy/km/40 KW	Date:	September 11, 2015
cc:	John Pentilchuk, Dennis Hoyt		

Re: **Analytical Results and Full Validation**
Love Canal Annual Long Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
June-July 2015

1. Introduction

This document details a validation of analytical results for groundwater samples collected in support of the Annual Long Term Monitoring program at the Love Canal Site during June and July 2015. Samples were submitted to TestAmerica Laboratories, located in Pittsburgh, Pennsylvania. 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.

Full Contract Laboratory Program (CLP) equivalent raw data deliverables were provided by the laboratory. Evaluation of the data was based on information obtained from the finished data sheets, raw data, chain of custody forms, calibration data, blank data, and recovery data from surrogate spikes/laboratory control samples (LCS)/matrix spike (MS) samples. The assessment of analytical and in-house data included checks for: data consistency (by observing comparability of duplicate analyses), adherence to accuracy and precision criteria, and transmittal errors.

The quality assurance/quality control (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 documents entitled:

i) "Quality Assurance Project Plan", Appendix B of "Sampling Manual Long-Term Groundwater Monitoring Program", June 2013 and,

ii) "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

Items i) and ii) 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. Gas Chromatography/Mass Spectrometer (GC/MS) – Tuning and Mass Calibration (Instrument Performance Check) and Inductively Coupled Plasma/Mass Spectrometer (ICP/MS)

3.1 Organic Analyses

Prior to volatile organic compound (VOC) and semi-volatile organic compound (SVOC) analysis, GC/MS instrumentation is tuned to ensure optimization over the mass range of interest. To evaluate instrument tuning, methods require the analysis of specific tuning compounds bromofluorobenzene (BFB) and decafluorotriphenylphosphine (DFTPP), respectively. The resulting spectra must meet the criteria cited in the methods before analysis is initiated. Analysis of the tuning compound must then be repeated every 12 hours throughout sample analysis to ensure the continued optimization of the instrument.

Tuning compounds were analyzed at the required frequency throughout VOC and SVOC analysis periods. All tuning criteria were met indicating that proper optimization of the instrumentation was achieved.

4. Initial Calibration - Organic Analyses

4.1 GC/MS

To quantify VOCs and SVOCs of interest in samples, calibration of the GC/MS over a specific concentration range must be performed. Initially, a five-point calibration curve containing all compounds of interest is analyzed to characterize instrument response for each analyte over a specific concentration range. Linearity of the calibration curve and instrument sensitivity are evaluated against the following criteria:

i) All relative response factors (RRFs) must be greater than or equal to 0.05 (0.01 for poor responders)

ii) The percent relative standard deviation (RSD) values must not exceed 20.0 percent (40 percent for poor responders) or a minimum correlation coefficient (R) of 0.995 and minimum coefficient of determination (R^2) of 0.99 if linear and quadratic equation calibration curves, respectively, are used

The initial calibration data for VOCs and SVOCs were reviewed. All compounds met the above criteria for sensitivity and linearity.

4.2 GC

To quantify pesticides, the performance evaluation mixture (PEM) is analyzed at the beginning and end of the initial calibration sequence and throughout the analytical sequence. The results of these analyses are

used to evaluate dichlorodiphenyltrichloroethane (DDT)/endrin breakdown, using the method degradation criteria of <15 percent. PEM standards were analyzed at the required frequency throughout sample analysis and all method performance criteria were met.

In order to quantify organic compounds of interest by GC, calibration of the gas chromatograph over a specific concentration range must be performed. Initially, a calibration curve consisting of a minimum of five concentration levels is analyzed for all single component compounds of interest and for polychlorinated biphenyls (PCBs) (Aroclors 1016 and 1260). A single calibration standard is analyzed for all other multi-response compounds. Linearity of the calibration curve is acceptable if all RSD values are less than or equal to 20.0 percent or if the correlation coefficient (R) is 0.995 or greater for linear regression curves.

Retention time windows are also calculated from the initial calibration analyses. These windows are then used to identify all compounds of interest in subsequent analyses.

All initial calibration standards were analyzed at the required frequencies. All retention time, peak resolution, and linearity criteria were satisfied as specified in the methods.

5. Continuing Calibration - Organic Analyses

5.1 GC/MS

To ensure that instrument calibration for VOC and SVOC analyses is acceptable throughout the sample analysis period, continuing calibration standards must be analyzed and compared to the initial calibration curve every 12 hours.

The following criteria were employed to evaluate continuing calibration data:

i) All RRF values must be greater than or equal to 0.05 (0.01 for poor responders)

ii) Percent difference (%D) values must not exceed 25 percent (40 percent for poor responders)

Calibration standards were analyzed at the required frequency, and the results met the above criteria for instrument sensitivity and stability with the exception of acetone and vinyl acetate which showed some variability. A summary of qualified results is presented in Table 4.

5.2 GC

To ensure that the calibration of the instrument for organic analyses by GC is valid throughout the sample analysis period, continuing calibration standards are analyzed and evaluated on a regular basis. To evaluate the continued linearity of the calibration, %D values are calculated for each compound. As specified in the methods, all %D values should not exceed 15 percent. To ensure that compound retention times do not vary over the analysis period, all retention times for continuing calibration compounds must fall within the established retention time windows.

All continuing calibration standards were analyzed at the required frequency. All %D values and compound retention times met the above criteria indicating acceptable instrument calibration throughout the analysis period.

6. Laboratory 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.

7. Surrogate Spike Recoveries

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 VOC, SVOC, Pesticide and PCB 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 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 laboratory criteria.

8. 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/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.

9. 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 Table 1.

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 following exceptions:

i) Some low SVOC recoveries were recorded. Sample results were qualified as estimated to reflect the implied low bias.

ii) Benzoic acid was not recovered in one MS/MSD pair. The sample result was rejected due to the poor analytical efficiency.

A summary of qualified results is presented in Table 5.

10. Field QA/QC Samples

The field QA/QC consisted of eight trip blank samples, two rinse blank samples, and four field duplicate sample sets.

10.1 Trip Blank Sample Analysis

To evaluate contamination from sample collection, transportation, storage, and analytical activities, eight trip blanks were submitted to the laboratory for VOC analysis. All results were non-detect for the compounds of interest.

10.2 Rinse Blank Sample Analysis

To assess field decontamination procedures, ambient conditions at the site, and cleanliness of sample containers, two rinse blanks were submitted for analysis, as identified in Table 1. All results were non-detect for the analytes of interest with the exception of a low concentration of some pesticides. Associated sample results with concentrations similar to that found in the rinse blank were qualified as non-detect. A summary of qualified results is presented in Table 6.

10.3 Field Duplicate Sample Analysis

To assess the analytical and sampling protocol precision, four field duplicate samples were collected and submitted "blind" to the laboratory, as specified in Table 1. The RPDs associated with these duplicate samples must be less than 50 and 100 percent for water and soil samples, respectively. If the reported concentration in either the investigative sample or its duplicate is less than five times the reporting limit (RL), the evaluation criteria is one or two times the RL value for water and soil samples, respectively.

All field duplicate results were within acceptable agreement, demonstrating acceptable sampling and analytical precision.

11. Tentatively Identified Compounds (TICs)

Chromatographic peaks recorded during VOC and SVOC sample GC/MS analyses that are not target compounds, surrogates, or internal standards, are potential TICs.

A summary of the TICs reported by the laboratory is presented in Table 7. Per the "Guidelines", TICs that were present in the method blanks or identified as solvent preservatives/aldol reaction products were rejected and are not included in the table.

12. Dual Column Analysis

Pesticide analyses were performed using dual column analyses. In general, the pesticide results showed good correlation between the two columns. Variability was observed between some of the results. Sample results that were >40 percent but <100 percent difference between the primary and secondary columns were qualified as estimated. Sample results that were >100 percent difference between the primary and secondary columns were rejected. A summary of qualified results is presented in Table 8.

13. Analyte Reporting

The laboratory reported detected results down to the laboratory's MDL for each analyte. Positive analyte detections less than the PQL 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.

14. Target Compound Identification

To minimize erroneous compound identification during organic analyses, qualitative criteria including compound retention time and mass spectra (if applicable) were evaluated according to the identification criteria established by the methods. The samples identified in Table 1 were reviewed. The organic compounds reported adhered to the specified identification criteria.

15. Conclusion

Based on the assessment detailed in the foregoing, the data summarized in Table 2 are acceptable with the specific exceptions and qualifications noted herein.

Table 1

Sample Collection and Analysis Summary
Love Canal Annual Long Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
June - July 2015

Sample Identification	Location	Matrix	Collection Date (mm/dd/yyyy)	Collection Time (hr:min)	Analysis/Parameters: Pesticide	PCB	TCL - VOC	TCL - SVOC	Comments
WG-9954-070115-SG-038	3257	Groundwater	07/01/2015	11:00:00	x	x	x	x	
WG-9954-070115-SG-040	5221	Groundwater	07/01/2015	13:40:00	x	x	x	x	
WG-9954-070215-SG-044	6209	Groundwater	07/02/2015	12:10:00	x	x	x	x	
WG-9954-061715-DJT-001	7120	Groundwater	06/17/2015	13:15:00	x	x	x	x	
WG-9954-061715-DJT-003	7130	Groundwater	06/17/2015	14:15:00	x	x	x	x	
WG-9954-061715-DJT-002	7132	Groundwater	06/17/2015	13:45:00	x	x	x	x	
WG-9954-062215-DJT-004	7155	Groundwater	06/22/2015	12:20:00	x	x	x	x	
WG-9954-062215-DJT-005	7161	Groundwater	06/22/2015	13:05:00	x	x	x	x	
WG-9954-062515-SG-027	7205	Groundwater	06/25/2015	15:00:00	x	x	x	x	
WG-9954-062515-SG-020	8106	Groundwater	06/25/2015	12:10:00	x	x	x	x	
WG-9954-062215-DJT-006	8110	Groundwater	06/22/2015	13:40:00	x	x	x	x	
WG-9954-062215-DJT-007	8120	Groundwater	06/22/2015	14:25:00	x	x	x	x	
WG-9954-062215-DJT-008	8130	Groundwater	06/22/2015	14:25:00	x	x	x	x	
WG-9954-062215-DJT-009	8140	Groundwater	06/22/2015	15:15:00	x	x	x	x	
WG-9954-062615-SG-028	8210	Groundwater	06/26/2015	10:50:00	x	x	x	x	
WG-9954-062415-SG-014	9110	Groundwater	06/24/2015	14:00:00	x	x	x	x	
WG-9954-062315-SG-014	9115	Groundwater	06/23/2015	14:25:00	x	x	x	x	
WG-9954-062315-SG-012	9120	Groundwater	06/23/2015	12:25:00	x	x	x	x	
WG-9954-062315-SG-013	9125	Groundwater	06/23/2015	13:45:00	x	x	x	x	
WG-9954-062315-SG-010	9130	Groundwater	06/23/2015	11:25:00	x	x	x	x	MS/MSD
WG-9954-062315-SG-011	9130	Groundwater	06/23/2015	11:25:00	x	x	x	x	Field duplicate of sample WG-9954-062315-SG-010
WG-9954-062415-SG-015	9140	Groundwater	06/24/2015	15:10:00	x	x	x	x	
WG-9954-062615-SG-028	9205	Groundwater	06/26/2015	09:45:00	x	x	x	x	
WG-9954-062615-SG-030	9210	Groundwater	06/26/2015	12:45:00	x	x	x	x	MS/MSD
WG-9954-062615-SG-031	9210	Groundwater	06/26/2015	12:45:00	x	x	x	x	Field duplicate of sample WG-9954-062615-SG-030
WG-9954-062515-SG-017	10105	Groundwater	06/25/2015	11:00:00	x	x	x	x	
WG-9954-062515-SG-023	10135	Groundwater	06/25/2015	14:20:00	x	x	x	x	
WG-9954-062515-SG-022	10147	Groundwater	06/25/2015	13:35:00	x	x	x	x	
WG-9954-062515-SG-021	10174A	Groundwater	06/25/2015	12:35:00	x	x	x	x	
WG-9954-062615-SG-035	10205	Groundwater	06/26/2015	14:10:00	x	x	x	x	
WG-9954-062615-SG-032	10210A	Groundwater	06/26/2015	13:15:00	x	x	x	x	
WG-9954-070215-SG-041	10210B	Groundwater	07/02/2015	09:00:00	x	x	x	x	
WG-9954-070215-SG-042	10210C	Groundwater	07/02/2015	10:00:00	x	x	x	x	MS/MSD

Table 1

Sample Collection and Analysis Summary
Love Canal Annual Long Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
June - July 2015

Sample Identification	Location	Matrix	Collection Date (mm/dd/yyyy)	Collection Time (hr:min)	Analysis/Parameters: Pesticide	PCB	TCL - VOC	TCL - SVOC	Comments
WG-9954-070215-SG-043	10210C	Groundwater	07/02/2015	10:00:00	x	x	x	x	Field duplicate of sample WG-9954-070215-SG-042
WG-9954-070215-SG-044	10215	Groundwater	07/02/2015	10:55:00	x	x	x	x	
WG-9954-062615-SG-033	10225A	Groundwater	06/26/2015	14:00:00	x	x	x	x	
WG-9954-062615-SG-034	10225B	Groundwater	06/26/2015	14:30:00	x	x	x	x	
WG-9954-062415-SG-018	10225C	Groundwater	06/24/2015	14:45:00	x	x	x	x	MS/MSD
WG-9954-062415-SG-019	10225C	Groundwater	06/24/2015	14:45:00	x	x	x	x	Field duplicate of sample WG-9954-062415-SG-018
WG-9954-062515-SG-024	10270	Groundwater	06/25/2015	12:10:00	x	x	x	x	
WG-9954-062515-SG-025	10272	Groundwater	06/25/2015	13:30:00	x	x	x	x	
WG-9954-070115-SG-039	10278	Groundwater	07/01/2015	12:35:00	x	x	x	x	
WG-9954-070115-SG-037	MW-01	Groundwater	07/01/2015	10:05:00	x	x	x	x	
WG-9954-070115-SG-036	MW-02	Groundwater	07/01/2015	09:15:00	x	x	x	x	
RB-9954-062515-SG-025	-	Water	06/25/2015	14:20:00	x	x	x	x	Rinse Blank
RB-9954-070215-SG-045	-	Water	07/02/2015	12:30:00	x	x	x	x	Rinse Blank
LCTRIP-061714	-	Water	06/17/2015	-			x		Trip Blank
LCTRIP-062215-DJT	-	Water	06/22/2015	-			x		Trip Blank
LCTRIP-062314	-	Water	06/23/2015	-			x		Trip Blank
LCTRIP-062415-SG	-	Water	06/24/2015	-			x		Trip Blank
LCTRIP-062515-SG	-	Water	06/25/2015	-			x		Trip Blank
LCTRIP-062615-SG	-	Water	06/26/2015	-			x		Trip Blank
LCTRIP-070115-SG	-	Water	07/01/2015	-			x		Trip Blank
LCTRIP-070215-SG	-	Water	07/02/2015	-			x		Trip Blank

Notes:

DUP	- Laboratory Duplicate
FD	- Field duplicate sample of sample in parenthesis
PCB	- Polychlorinated Biphenyls
TCL - VOC	- Target Compound List - Volatile Organic Compound
TCL - SVOCs	- Target Compound List - Semi-volatile Organic Compounds
-	- Not applicable
MS/MSD	- Matrix Spike/Matrix Spike Duplicate
MS/MSD-P	- Matrix Spike/Matrix Spike Duplicate (Partial parameters)

Table 2

Analytical Results Summary
Love Canal Annual Long Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
June - July 2015

	Sample Location:	**3257**	**5221**	**6209**	**7120**
	Sample ID:	**WG-9954-070115-SG-038**	**WG-9954-070115-SG-040**	**WG-9954-070215-SG-045**	**WG-9954-061715-DJT-001**
	Sample Date:	**07/01/2015**	**07/01/2015**	**07/02/2015**	**06/17/2015**
Parameters	**Units**				
Volatile Organic Compounds					
1,1,1-Trichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloropropane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2-Hexanone	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	µg/L	20 U	20 U	20 U	20 U
Benzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Bromodichloromethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Bromoform	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Bromomethane (Methyl bromide)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Carbon disulfide	µg/L	2.2 J	1.5 J	5.0 U	5.0 U
Carbon tetrachloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Chloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform (Trichloromethane)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Chloromethane (Methyl chloride)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,2-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,3-Dichloropropene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Dibromochloromethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Styrene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Toluene	µg/L	5.0 U	5.0 U	0.95 J	5.0 U

Table 2

Analytical Results Summary
Love Canal Annual Long Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
June - July 2015

	Sample Location:	**3257**	**5221**	**6209**	**7120**
	Sample ID:	**WG-9954-070115-SG-038**	**WG-9954-070115-SG-040**	**WG-9954-070215-SG-045**	**WG-9954-061715-DJT-001**
	Sample Date:	**07/01/2015**	**07/01/2015**	**07/02/2015**	**06/17/2015**
Parameters	**Units**				
Volatile Organic Compounds (Continued)					
trans-1,2-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,3-Dichloropropene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Vinyl acetate	µg/L	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ
Vinyl chloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Xylenes (total)	µg/L	10 U	10 U	10 U	10 U
Semi-volatile Organic Compounds					
1,2,4-Trichlorobenzene	µg/L	9.3 U	9.3 U	9.3 U	9.6 U
1,2-Dichlorobenzene	µg/L	9.3 U	9.3 U	9.3 U	9.6 U
1,3-Dichlorobenzene	µg/L	9.3 U	9.3 U	9.3 U	9.6 U
1,4-Dichlorobenzene	µg/L	9.3 U	9.3 U	9.3 U	9.6 U
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	µg/L	9.3 U	9.3 U	9.3 U	9.6 U
2,4,5-Trichlorophenol	µg/L	9.3 U	9.3 U	9.3 U	9.6 U
2,4,6-Trichlorophenol	µg/L	9.3 U	9.3 U	9.3 U	9.6 U
2,4-Dichlorophenol	µg/L	9.3 U	9.3 U	9.3 U	9.6 U
2,4-Dimethylphenol	µg/L	9.3 U	9.3 U	9.3 U	9.6 U
2,4-Dinitrophenol	µg/L	46 U	46 U	46 U	48 U
2,4-Dinitrotoluene	µg/L	9.3 U	9.3 U	9.3 U	9.6 U
2,6-Dinitrotoluene	µg/L	9.3 U	9.3 U	9.3 U	9.6 U
2-Chloronaphthalene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
2-Chlorophenol	µg/L	9.3 U	9.3 U	9.3 U	9.6 U
2-Methylnaphthalene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
2-Methylphenol	µg/L	9.3 U	9.3 U	9.3 U	9.6 U
2-Nitroaniline	µg/L	46 U	46 U	46 U	48 U
2-Nitrophenol	µg/L	9.3 U	9.3 U	9.3 U	9.6 U
3,3'-Dichlorobenzidine	µg/L	9.3 U	9.3 U	9.3 U	9.6 U
3-Nitroaniline	µg/L	46 U	46 U	46 U	48 U
4,6-Dinitro-2-methylphenol	µg/L	46 U	46 U	46 U	48 U
4-Bromophenyl phenyl ether	µg/L	9.3 U	9.3 U	9.3 U	9.6 U
4-Chloro-3-methylphenol	µg/L	9.3 U	9.3 U	9.3 U	9.6 U
4-Chloroaniline	µg/L	9.3 U	9.3 U	9.3 U	9.6 U

Table 2

Analytical Results Summary
Love Canal Annual Long Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
June - July 2015

	Sample Location:	**3257**	**5221**	**6209**	**7120**
	Sample ID:	**WG-9954-070115-SG-038**	**WG-9954-070115-SG-040**	**WG-9954-070215-SG-045**	**WG-9954-061715-DJT-001**
	Sample Date:	**07/01/2015**	**07/01/2015**	**07/02/2015**	**06/17/2015**
Parameters	**Units**				
Semi-volatile Organic Compounds (Continued)					
4-Chlorophenyl phenyl ether	µg/L	9.3 U	9.3 U	9.3 U	9.6 U
4-Methylphenol	µg/L	9.3 U	9.3 U	9.3 U	9.6 U
4-Nitroaniline	µg/L	46 U	46 U	46 U	48 U
4-Nitrophenol	µg/L	46 U	46 U	46 U	48 U
Acenaphthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Acenaphthylene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Anthracene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(a)anthracene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(a)pyrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(b)fluoranthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(g,h,i)perylene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(k)fluoranthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzoic acid	µg/L	46 U	46 U	46 U	48 U
Benzyl alcohol	µg/L	9.3 U	9.3 U	9.3 U	9.6 U
bis(2-Chloroethoxy)methane	µg/L	9.3 U	9.3 U	9.3 U	9.6 U
bis(2-Chloroethyl)ether	µg/L	9.3 U	9.3 U	9.3 U	9.6 U
bis(2-Ethylhexyl)phthalate (DEHP)	µg/L	19 U	19 U	19 U	19 U
Butyl benzylphthalate (BBP)	µg/L	9.3 U	9.3 U	9.3 U	9.6 U
Chrysene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Dibenz(a,h)anthracene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Dibenzofuran	µg/L	9.3 U	9.3 U	9.3 U	9.6 U
Diethyl phthalate	µg/L	9.3 U	9.3 U	9.3 U	9.6 U
Dimethyl phthalate	µg/L	9.3 U	9.3 U	9.3 U	9.6 U
Di-n-butylphthalate (DBP)	µg/L	9.3 U	9.3 U	9.3 U	9.6 U
Di-n-octyl phthalate (DnOP)	µg/L	9.3 U	9.3 U	9.3 U	9.6 U
Fluoranthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Fluorene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Hexachlorobenzene	µg/L	9.3 U	9.3 U	9.3 U	9.6 U
Hexachlorobutadiene	µg/L	9.3 U	9.3 U	9.3 U	9.6 U
Hexachlorocyclopentadiene	µg/L	9.3 U	9.3 U	9.3 U	9.6 U
Hexachloroethane	µg/L	9.3 U	9.3 U	9.3 U	9.6 U
Indeno(1,2,3-cd)pyrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U

Table 2

Analytical Results Summary
Love Canal Annual Long Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
June - July 2015

	Sample Location:	**3257**	**5221**	**6209**	**7120**
	Sample ID:	**WG-9954-070115-SG-038**	**WG-9954-070115-SG-040**	**WG-9954-070215-SG-045**	**WG-9954-061715-DJT-001**
	Sample Date:	**07/01/2015**	**07/01/2015**	**07/02/2015**	**06/17/2015**
Parameters	**Units**				
Semi-volatile Organic Compounds (Continued)					
Isophorone	µg/L	9.3 U	9.3 U	9.3 U	9.6 U
Naphthalene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Nitrobenzene	µg/L	19 U	19 U	19 U	19 U
N-Nitrosodi-n-propylamine	µg/L	9.3 U	9.3 U	9.3 U	9.6 U
N-Nitrosodiphenylamine	µg/L	9.3 U	9.3 U	9.3 U	9.6 U
Pentachlorophenol	µg/L	9.3 U	9.3 U	9.3 U	9.6 U
Phenanthrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Phenol	µg/L	9.3 U	9.3 U	9.3 U	9.6 U
Pyrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
PCBs					
Aroclor-1016 (PCB-1016)	µg/L	0.21 U	0.20 U	0.42 U	0.40 U
Aroclor-1221 (PCB-1221)	µg/L	0.21 U	0.20 U	0.42 U	0.40 U
Aroclor-1232 (PCB-1232)	µg/L	0.21 U	0.20 U	0.42 U	0.40 U
Aroclor-1242 (PCB-1242)	µg/L	0.21 U	0.20 U	0.42 U	0.40 U
Aroclor-1248 (PCB-1248)	µg/L	0.21 U	0.20 U	0.42 U	0.40 U
Aroclor-1254 (PCB-1254)	µg/L	0.21 U	0.20 U	0.42 U	0.40 U
Aroclor-1260 (PCB-1260)	µg/L	0.21 U	0.20 U	0.42 U	0.40 U
Pesticides					
4,4'-DDD	µg/L	0.026 U	0.022 J	0.052 U	0.050 U
4,4'-DDE	µg/L	0.026 U	0.025 U	0.052 U	0.050 U
4,4'-DDT	µg/L	0.017 J	0.025 U	0.052 U	0.050 U
Aldrin	µg/L	0.026 U	0.025 U	0.052 U	0.050 U
alpha-BHC	µg/L	0.026 U	0.025 U	0.052 U	0.050 U
alpha-Chlordane	µg/L	0.026 U	0.025 U	0.052 U	0.050 U
beta-BHC	µg/L	0.026 U	0.025 U	0.052 U	0.050 U
delta-BHC	µg/L	0.035	0.032 J	0.052 U	0.050 U
Dieldrin	µg/L	0.026 U	0.025 U	0.052 U	0.050 U
Endosulfan I	µg/L	0.026 U	0.025 U	0.052 U	0.050 U
Endosulfan II	µg/L	0.026 U	0.025 U	0.052 U	0.050 U
Endosulfan sulfate	µg/L	0.026 U	0.014 NJ	0.052 U	0.050 U

Table 2

Analytical Results Summary
Love Canal Annual Long Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
June - July 2015

	Sample Location:	**3257**	**5221**	**6209**	**7120**
	Sample ID:	**WG-9954-070115-SG-038**	**WG-9954-070115-SG-040**	**WG-9954-070215-SG-045**	**WG-9954-061715-DJT-001**
	Sample Date:	**07/01/2015**	**07/01/2015**	**07/02/2015**	**06/17/2015**
Parameters	**Units**				
Pesticides (Continued)					
Endrin	µg/L	0.026 U	0.025 U	0.052 U	0.050 U
Endrin ketone	µg/L	0.026 U	0.025 U	0.052 U	0.050 U
gamma-BHC (lindane)	µg/L	0.026 U	0.025 U	0.052 U	0.050 U
gamma-Chlordane	µg/L	0.026 U	0.025 U	0.052 U	0.050 U
Heptachlor	µg/L	0.026 U	0.025 U	0.052 U	0.050 U
Heptachlor epoxide	µg/L	0.026 U	0.025 U	0.052 U	0.050 U
Methoxychlor	µg/L	0.052 U	0.028 J	0.10 U	0.10 U
Toxaphene	µg/L	2.1 U	2.0 U	4.2 U	4.0 U

Table 2

Analytical Results Summary
Love Canal Annual Long Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
June - July 2015

	Sample Location:	**7130**	**7132**	**7155**	**7161**
	Sample ID:	**WG-9954-061715-DJT-003**	**WG-9954-061715-DJT-002**	**WG-9954-062215-DJT-004**	**WG-9954-062215-DJT-005**
	Sample Date:	**06/17/2015**	**06/17/2015**	**06/22/2015**	**06/22/2015**
Parameters	**Units**				
Volatile Organic Compounds					
1,1,1-Trichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloropropane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2-Hexanone	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	µg/L	20 U	20 U	20 U	20 U
Benzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Bromodichloromethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Bromoform	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Bromomethane (Methyl bromide)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Carbon disulfide	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Carbon tetrachloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Chloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform (Trichloromethane)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Chloromethane (Methyl chloride)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,2-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,3-Dichloropropene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Dibromochloromethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Styrene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Toluene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U

Table 2

Analytical Results Summary
Love Canal Annual Long Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
June - July 2015

	Sample Location:	**7130**	**7132**	**7155**	**7161**
	Sample ID:	**WG-9954-061715-DJT-003**	**WG-9954-061715-DJT-002**	**WG-9954-062215-DJT-004**	**WG-9954-062215-DJT-005**
	Sample Date:	**06/17/2015**	**06/17/2015**	**06/22/2015**	**06/22/2015**
Parameters	**Units**				
Volatile Organic Compounds (Continued)					
trans-1,2-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,3-Dichloropropene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Vinyl acetate	µg/L	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ
Vinyl chloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Xylenes (total)	µg/L	10 U	10 U	10 U	10 U
Semi-volatile Organic Compounds					
1,2,4-Trichlorobenzene	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
1,2-Dichlorobenzene	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
1,3-Dichlorobenzene	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
1,4-Dichlorobenzene	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
2,4,5-Trichlorophenol	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
2,4,6-Trichlorophenol	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
2,4-Dichlorophenol	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
2,4-Dimethylphenol	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
2,4-Dinitrophenol	µg/L	46 U	46 U	46 U	46 U
2,4-Dinitrotoluene	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
2,6-Dinitrotoluene	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
2-Chloronaphthalene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
2-Chlorophenol	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
2-Methylnaphthalene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
2-Methylphenol	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
2-Nitroaniline	µg/L	46 U	46 U	46 U	46 U
2-Nitrophenol	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
3,3'-Dichlorobenzidine	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
3-Nitroaniline	µg/L	46 U	46 U	46 U	46 U
4,6-Dinitro-2-methylphenol	µg/L	46 U	46 U	46 U	46 U
4-Bromophenyl phenyl ether	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
4-Chloro-3-methylphenol	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
4-Chloroaniline	µg/L	9.3 U	9.3 U	9.3 U	9.3 U

Table 2

Analytical Results Summary
Love Canal Annual Long Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
June - July 2015

	Sample Location:	**7130**	**7132**	**7155**	**7161**
	Sample ID:	**WG-9954-061715-DJT-003**	**WG-9954-061715-DJT-002**	**WG-9954-062215-DJT-004**	**WG-9954-062215-DJT-005**
	Sample Date:	**06/17/2015**	**06/17/2015**	**06/22/2015**	**06/22/2015**
Parameters	**Units**				
Semi-volatile Organic Compounds (Continued)					
4-Chlorophenyl phenyl ether	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
4-Methylphenol	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
4-Nitroaniline	µg/L	46 U	46 U	46 U	46 U
4-Nitrophenol	µg/L	46 U	46 U	46 U	46 U
Acenaphthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Acenaphthylene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Anthracene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(a)anthracene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(a)pyrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(b)fluoranthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(g,h,i)perylene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(k)fluoranthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzoic acid	µg/L	46 U	46 U	46 U	46 U
Benzyl alcohol	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
bis(2-Chloroethoxy)methane	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
bis(2-Chloroethyl)ether	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
bis(2-Ethylhexyl)phthalate (DEHP)	µg/L	8.5 J	19 U	19 U	19 U
Butyl benzylphthalate (BBP)	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
Chrysene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Dibenz(a,h)anthracene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Dibenzofuran	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
Diethyl phthalate	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
Dimethyl phthalate	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
Di-n-butylphthalate (DBP)	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
Di-n-octyl phthalate (DnOP)	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
Fluoranthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Fluorene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Hexachlorobenzene	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
Hexachlorobutadiene	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
Hexachlorocyclopentadiene	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
Hexachloroethane	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
Indeno(1,2,3-cd)pyrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U

Table 2

Analytical Results Summary
Love Canal Annual Long Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
June - July 2015

	Sample Location:	**7130**	**7132**	**7155**	**7161**
	Sample ID:	**WG-9954-061715-DJT-003**	**WG-9954-061715-DJT-002**	**WG-9954-062215-DJT-004**	**WG-9954-062215-DJT-005**
	Sample Date:	**06/17/2015**	**06/17/2015**	**06/22/2015**	**06/22/2015**
Parameters	**Units**				
Semi-volatile Organic Compounds (Continued)					
Isophorone	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
Naphthalene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Nitrobenzene	µg/L	19 U	19 U	19 U	19 U
N-Nitrosodi-n-propylamine	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
N-Nitrosodiphenylamine	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
Pentachlorophenol	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
Phenanthrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Phenol	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
Pyrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
PCBs					
Aroclor-1016 (PCB-1016)	µg/L	0.40 U	0.40 U	0.40 U	0.40 U
Aroclor-1221 (PCB-1221)	µg/L	0.40 U	0.40 U	0.40 U	0.40 U
Aroclor-1232 (PCB-1232)	µg/L	0.40 U	0.40 U	0.40 U	0.40 U
Aroclor-1242 (PCB-1242)	µg/L	0.40 U	0.40 U	0.40 U	0.40 U
Aroclor-1248 (PCB-1248)	µg/L	0.40 U	0.40 U	0.40 U	0.40 U
Aroclor-1254 (PCB-1254)	µg/L	0.40 U	0.40 U	0.40 U	0.40 U
Aroclor-1260 (PCB-1260)	µg/L	0.40 U	0.40 U	0.40 U	0.40 U
Pesticides					
4,4'-DDD	µg/L	0.050 U	0.050 U	0.050 U	0.050 U
4,4'-DDE	µg/L	0.050 U	0.050 U	0.050 U	0.050 U
4,4'-DDT	µg/L	0.050 U	0.050 U	0.050 U	0.050 U
Aldrin	µg/L	0.050 U	0.050 U	0.050 U	0.050 U
alpha-BHC	µg/L	0.050 U	0.050 U	0.050 U	0.050 U
alpha-Chlordane	µg/L	0.050 U	0.050 U	0.050 U	0.050 U
beta-BHC	µg/L	0.050 U	0.050 U	0.050 U	0.050 U
delta-BHC	µg/L	0.050 U	0.050 U	0.050 U	0.050 U
Dieldrin	µg/L	0.050 U	0.050 U	0.050 U	0.050 U
Endosulfan I	µg/L	0.050 U	0.050 U	0.050 U	0.050 U
Endosulfan II	µg/L	0.050 U	0.050 U	0.050 U	0.050 U
Endosulfan sulfate	µg/L	0.050 U	0.050 U	0.050 U	0.050 U

Table 2

Analytical Results Summary
Love Canal Annual Long Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
June - July 2015

	Sample Location:	**7130**	**7132**	**7155**	**7161**
	Sample ID:	**WG-9954-061715-DJT-003**	**WG-9954-061715-DJT-002**	**WG-9954-062215-DJT-004**	**WG-9954-062215-DJT-005**
	Sample Date:	**06/17/2015**	**06/17/2015**	**06/22/2015**	**06/22/2015**
Parameters	**Units**				
Pesticides (Continued)					
Endrin	µg/L	0.050 U	0.050 U	0.050 U	0.050 U
Endrin ketone	µg/L	0.050 U	0.050 U	0.050 U	0.050 U
gamma-BHC (lindane)	µg/L	0.050 U	0.050 U	0.050 U	0.050 U
gamma-Chlordane	µg/L	0.050 U	0.050 U	0.050 U	0.050 U
Heptachlor	µg/L	0.050 U	0.050 U	0.050 U	0.050 U
Heptachlor epoxide	µg/L	0.050 U	0.050 U	0.050 U	0.050 U
Methoxychlor	µg/L	0.10 U	0.10 U	0.10 U	0.10 U
Toxaphene	µg/L	4.0 U	4.0 U	4.0 U	4.0 U

Table 2

Analytical Results Summary
Love Canal Annual Long Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
June - July 2015

	Sample Location:	**7205**	**8106**	**8110**	**8120**
	Sample ID:	**WG-9954-062515-SG-027**	**WG-9954-062515-SG-020**	**WG-9954-062215-DJT-006**	**WG-9954-062215-DJT-007**
	Sample Date:	**06/25/2015**	**06/25/2015**	**06/22/2015**	**06/22/2015**
Parameters	**Units**				
Volatile Organic Compounds					
1,1,1-Trichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloropropane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2-Hexanone	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	µg/L	20 U	20 U	20 U	20 U
Benzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Bromodichloromethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Bromoform	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Bromomethane (Methyl bromide)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Carbon disulfide	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Carbon tetrachloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Chloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform (Trichloromethane)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Chloromethane (Methyl chloride)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,2-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,3-Dichloropropene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Dibromochloromethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Styrene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Toluene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U

Table 2

Analytical Results Summary
Love Canal Annual Long Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
June - July 2015

	Sample Location:	**7205**	**8106**	**8110**	**8120**
	Sample ID:	**WG-9954-062515-SG-027**	**WG-9954-062515-SG-020**	**WG-9954-062215-DJT-006**	**WG-9954-062215-DJT-007**
	Sample Date:	**06/25/2015**	**06/25/2015**	**06/22/2015**	**06/22/2015**
Parameters	**Units**				
Volatile Organic Compounds (Continued)					
trans-1,2-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,3-Dichloropropene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Vinyl acetate	µg/L	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ
Vinyl chloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Xylenes (total)	µg/L	10 U	10 U	10 U	10 U
Semi-volatile Organic Compounds					
1,2,4-Trichlorobenzene	µg/L	9.3 U	9.3 U	10 U	9.6 U
1,2-Dichlorobenzene	µg/L	9.3 U	9.3 U	10 U	9.6 U
1,3-Dichlorobenzene	µg/L	9.3 U	9.3 U	10 U	9.6 U
1,4-Dichlorobenzene	µg/L	9.3 U	9.3 U	10 U	9.6 U
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	µg/L	9.3 U	9.3 U	10 U	9.6 U
2,4,5-Trichlorophenol	µg/L	9.3 U	9.3 U	10 U	9.6 U
2,4,6-Trichlorophenol	µg/L	9.3 U	9.3 U	10 U	9.6 U
2,4-Dichlorophenol	µg/L	9.3 U	9.3 U	10 U	9.6 U
2,4-Dimethylphenol	µg/L	9.3 U	9.3 U	10 U	9.6 U
2,4-Dinitrophenol	µg/L	46 U	46 U	50 U	48 U
2,4-Dinitrotoluene	µg/L	9.3 U	9.3 U	10 U	9.6 U
2,6-Dinitrotoluene	µg/L	9.3 U	9.3 U	10 U	9.6 U
2-Chloronaphthalene	µg/L	1.9 U	1.9 U	2.0 U	1.9 U
2-Chlorophenol	µg/L	9.3 U	9.3 U	10 U	9.6 U
2-Methylnaphthalene	µg/L	1.9 U	1.9 U	2.0 U	1.9 U
2-Methylphenol	µg/L	9.3 U	9.3 U	10 U	9.6 U
2-Nitroaniline	µg/L	46 U	46 U	50 U	48 U
2-Nitrophenol	µg/L	9.3 U	9.3 U	10 U	9.6 U
3,3'-Dichlorobenzidine	µg/L	9.3 U	9.3 U	10 U	9.6 U
3-Nitroaniline	µg/L	46 U	46 U	50 U	48 U
4,6-Dinitro-2-methylphenol	µg/L	46 U	46 U	50 U	48 U
4-Bromophenyl phenyl ether	µg/L	9.3 U	9.3 U	10 U	9.6 U
4-Chloro-3-methylphenol	µg/L	9.3 U	9.3 U	10 U	9.6 U
4-Chloroaniline	µg/L	9.3 U	9.3 U	10 U	9.6 U

Table 2

Analytical Results Summary
Love Canal Annual Long Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
June - July 2015

	Sample Location:	**7205**	**8106**	**8110**	**8120**
	Sample ID:	**WG-9954-062515-SG-027**	**WG-9954-062515-SG-020**	**WG-9954-062215-DJT-006**	**WG-9954-062215-DJT-007**
	Sample Date:	**06/25/2015**	**06/25/2015**	**06/22/2015**	**06/22/2015**
Parameters	**Units**				
Semi-volatile Organic Compounds (Continued)					
4-Chlorophenyl phenyl ether	µg/L	9.3 U	9.3 U	10 U	9.6 U
4-Methylphenol	µg/L	9.3 U	9.3 U	10 U	9.6 U
4-Nitroaniline	µg/L	46 U	46 U	50 U	48 U
4-Nitrophenol	µg/L	46 U	46 U	50 U	48 U
Acenaphthene	µg/L	1.9 U	1.9 U	2.0 U	1.9 U
Acenaphthylene	µg/L	1.9 U	1.9 U	2.0 U	1.9 U
Anthracene	µg/L	1.9 U	1.9 U	2.0 U	1.9 U
Benzo(a)anthracene	µg/L	1.9 U	1.9 U	2.0 U	1.9 U
Benzo(a)pyrene	µg/L	1.9 U	1.9 U	2.0 U	1.9 U
Benzo(b)fluoranthene	µg/L	1.9 U	1.9 U	2.0 U	1.9 U
Benzo(g,h,i)perylene	µg/L	1.9 U	1.9 U	2.0 U	1.9 U
Benzo(k)fluoranthene	µg/L	1.9 U	1.9 U	2.0 U	1.9 U
Benzoic acid	µg/L	46 U	46 U	50 U	48 U
Benzyl alcohol	µg/L	9.3 U	9.3 U	10 U	9.6 U
bis(2-Chloroethoxy)methane	µg/L	9.3 U	9.3 U	10 U	9.6 U
bis(2-Chloroethyl)ether	µg/L	9.3 U	9.3 U	10 U	9.6 U
bis(2-Ethylhexyl)phthalate (DEHP)	µg/L	19 U	7.9 J	20 U	5.7 J
Butyl benzylphthalate (BBP)	µg/L	9.3 U	9.3 U	10 U	9.6 U
Chrysene	µg/L	1.9 U	1.9 U	2.0 U	1.9 U
Dibenz(a,h)anthracene	µg/L	1.9 U	1.9 U	2.0 U	1.9 U
Dibenzofuran	µg/L	9.3 U	9.3 U	10 U	9.6 U
Diethyl phthalate	µg/L	2.7 J	9.3 U	10 U	9.6 U
Dimethyl phthalate	µg/L	9.3 U	9.3 U	10 U	9.6 U
Di-n-butylphthalate (DBP)	µg/L	9.3 U	9.3 U	10 U	9.6 U
Di-n-octyl phthalate (DnOP)	µg/L	9.3 U	9.3 U	10 U	9.6 U
Fluoranthene	µg/L	1.9 U	1.9 U	2.0 U	1.9 U
Fluorene	µg/L	1.9 U	1.9 U	2.0 U	1.9 U
Hexachlorobenzene	µg/L	9.3 U	9.3 U	10 U	9.6 U
Hexachlorobutadiene	µg/L	9.3 U	9.3 U	10 U	9.6 U
Hexachlorocyclopentadiene	µg/L	9.3 U	9.3 U	10 U	9.6 U
Hexachloroethane	µg/L	9.3 U	9.3 U	10 U	9.6 U
Indeno(1,2,3-cd)pyrene	µg/L	1.9 U	1.9 U	2.0 U	1.9 U

Table 2

Analytical Results Summary
Love Canal Annual Long Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
June - July 2015

	Sample Location:	**7205**	**8106**	**8110**	**8120**
	Sample ID:	**WG-9954-062515-SG-027**	**WG-9954-062515-SG-020**	**WG-9954-062215-DJT-006**	**WG-9954-062215-DJT-007**
	Sample Date:	**06/25/2015**	**06/25/2015**	**06/22/2015**	**06/22/2015**
Parameters	**Units**				
Semi-volatile Organic Compounds (Continued)					
Isophorone	µg/L	9.3 U	9.3 U	10 U	9.6 U
Naphthalene	µg/L	1.9 U	1.9 U	2.0 U	1.9 U
Nitrobenzene	µg/L	19 U	19 U	20 U	19 U
N-Nitrosodi-n-propylamine	µg/L	9.3 U	9.3 U	10 U	9.6 U
N-Nitrosodiphenylamine	µg/L	9.3 U	9.3 U	10 U	9.6 U
Pentachlorophenol	µg/L	9.3 U	9.3 U	10 U	9.6 U
Phenanthrene	µg/L	1.9 U	1.9 U	2.0 U	1.9 U
Phenol	µg/L	9.3 U	9.3 U	10 U	9.6 U
Pyrene	µg/L	1.9 U	1.9 U	2.0 U	1.9 U
PCBs					
Aroclor-1016 (PCB-1016)	µg/L	0.40 U	0.40 U	0.40 U	0.40 U
Aroclor-1221 (PCB-1221)	µg/L	0.40 U	0.40 U	0.40 U	0.40 U
Aroclor-1232 (PCB-1232)	µg/L	0.40 U	0.40 U	0.40 U	0.40 U
Aroclor-1242 (PCB-1242)	µg/L	0.40 U	0.40 U	0.40 U	0.40 U
Aroclor-1248 (PCB-1248)	µg/L	0.40 U	0.40 U	0.40 U	0.40 U
Aroclor-1254 (PCB-1254)	µg/L	0.40 U	0.40 U	0.40 U	0.40 U
Aroclor-1260 (PCB-1260)	µg/L	0.40 U	0.40 U	0.40 U	0.40 U
Pesticides					
4,4'-DDD	µg/L	0.050 U	0.050 U	0.050 U	0.050 U
4,4'-DDE	µg/L	0.050 U	0.050 U	0.050 U	0.050 U
4,4'-DDT	µg/L	0.050 U	0.050 U	0.050 U	0.050 U
Aldrin	µg/L	0.050 U	0.050 U	0.050 U	0.050 U
alpha-BHC	µg/L	0.30	0.050 U	0.050 U	0.050 U
alpha-Chlordane	µg/L	0.050 U	0.050 U	0.050 U	0.050 U
beta-BHC	µg/L	0.050 U	0.050 U	0.050 U	0.050 U
delta-BHC	µg/L	0.14	0.050 U	0.050 U	0.050 U
Dieldrin	µg/L	0.050 U	0.050 U	0.050 U	0.050 U
Endosulfan I	µg/L	0.050 U	0.050 U	0.050 U	0.050 U
Endosulfan II	µg/L	0.050 U	0.050 U	0.050 U	0.050 U
Endosulfan sulfate	µg/L	0.050 U	0.050 U	0.050 U	0.050 U

Table 2

Analytical Results Summary
Love Canal Annual Long Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
June - July 2015

	Sample Location:	**7205**	**8106**	**8110**	**8120**
	Sample ID:	**WG-9954-062515-SG-027**	**WG-9954-062515-SG-020**	**WG-9954-062215-DJT-006**	**WG-9954-062215-DJT-007**
	Sample Date:	**06/25/2015**	**06/25/2015**	**06/22/2015**	**06/22/2015**
Parameters	**Units**				
Pesticides (Continued)					
Endrin	µg/L	0.050 U	0.050 U	0.050 U	0.050 U
Endrin ketone	µg/L	0.050 U	0.050 U	0.050 U	0.050 U
gamma-BHC (lindane)	µg/L	0.26	0.050 U	0.050 U	0.050 U
gamma-Chlordane	µg/L	0.050 U	0.050 U	0.050 U	0.050 U
Heptachlor	µg/L	0.050 U	0.050 U	0.050 U	0.050 U
Heptachlor epoxide	µg/L	0.050 U	0.050 U	0.050 U	0.050 U
Methoxychlor	µg/L	0.039 J	0.10 U	0.10 U	0.10 U
Toxaphene	µg/L	4.0 U	4.0 U	4.0 U	4.0 U

Table 2

Analytical Results Summary
Love Canal Annual Long Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
June - July 2015

	Sample Location:	**8130**	**8140**	**8210**	**9110**
	Sample ID:	**WG-9954-062215-DJT-008**	**WG-9954-062215-DJT-009**	**WG-9954-062615-SG-029**	**WG-9954-062415-SG-015**
	Sample Date:	**06/22/2015**	**06/22/2015**	**06/26/2015**	**06/24/2015**
Parameters	**Units**				
Volatile Organic Compounds					
1,1,1-Trichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloropropane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2-Hexanone	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	µg/L	20 U	20 U	20 U	20 U
Benzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Bromodichloromethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Bromoform	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Bromomethane (Methyl bromide)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Carbon disulfide	µg/L	5.0 U	5.0 U	1.2 J	5.0 U
Carbon tetrachloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Chloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform (Trichloromethane)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Chloromethane (Methyl chloride)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,2-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,3-Dichloropropene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Dibromochloromethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Styrene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Toluene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U

Table 2

Analytical Results Summary
Love Canal Annual Long Term Monitoring Program
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Niagara Falls, New York
June - July 2015

	Sample Location:	**8130**	**8140**	**8210**	**9110**
	Sample ID:	**WG-9954-062215-DJT-008**	**WG-9954-062215-DJT-009**	**WG-9954-062615-SG-029**	**WG-9954-062415-SG-015**
	Sample Date:	**06/22/2015**	**06/22/2015**	**06/26/2015**	**06/24/2015**
Parameters	**Units**				
Volatile Organic Compounds (Continued)					
trans-1,2-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,3-Dichloropropene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Vinyl acetate	µg/L	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ
Vinyl chloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Xylenes (total)	µg/L	10 U	10 U	10 U	10 U
Semi-volatile Organic Compounds					
1,2,4-Trichlorobenzene	µg/L	9.3 U	9.3 U	9.6 U	9.3 U
1,2-Dichlorobenzene	µg/L	9.3 U	9.3 U	9.6 U	9.3 U
1,3-Dichlorobenzene	µg/L	9.3 U	9.3 U	9.6 U	9.3 U
1,4-Dichlorobenzene	µg/L	9.3 U	9.3 U	9.6 U	9.3 U
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	µg/L	9.3 U	9.3 U	9.6 U	9.3 U
2,4,5-Trichlorophenol	µg/L	9.3 U	9.3 U	9.6 U	9.3 U
2,4,6-Trichlorophenol	µg/L	9.3 U	9.3 U	9.6 U	9.3 U
2,4-Dichlorophenol	µg/L	9.3 U	9.3 U	9.6 U	9.3 U
2,4-Dimethylphenol	µg/L	9.3 U	9.3 U	9.6 U	9.3 U
2,4-Dinitrophenol	µg/L	46 U	46 U	48 U	46 U
2,4-Dinitrotoluene	µg/L	9.3 U	9.3 U	9.6 U	9.3 U
2,6-Dinitrotoluene	µg/L	9.3 U	9.3 U	9.6 U	9.3 U
2-Chloronaphthalene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
2-Chlorophenol	µg/L	9.3 U	9.3 U	9.6 U	9.3 U
2-Methylnaphthalene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
2-Methylphenol	µg/L	9.3 U	9.3 U	9.6 U	9.3 U
2-Nitroaniline	µg/L	46 U	46 U	48 U	46 U
2-Nitrophenol	µg/L	9.3 U	9.3 U	9.6 U	9.3 U
3,3'-Dichlorobenzidine	µg/L	9.3 U	9.3 U	9.6 U	9.3 U
3-Nitroaniline	µg/L	46 U	46 U	48 U	46 U
4,6-Dinitro-2-methylphenol	µg/L	46 U	46 U	48 U	46 U
4-Bromophenyl phenyl ether	µg/L	9.3 U	9.3 U	9.6 U	9.3 U
4-Chloro-3-methylphenol	µg/L	9.3 U	9.3 U	9.6 U	9.3 U
4-Chloroaniline	µg/L	9.3 U	9.3 U	9.6 U	9.3 U

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Analytical Results Summary
Love Canal Annual Long Term Monitoring Program
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Niagara Falls, New York
June - July 2015

	Sample Location:	**8130**	**8140**	**8210**	**9110**
	Sample ID:	**WG-9954-062215-DJT-008**	**WG-9954-062215-DJT-009**	**WG-9954-062615-SG-029**	**WG-9954-062415-SG-015**
	Sample Date:	**06/22/2015**	**06/22/2015**	**06/26/2015**	**06/24/2015**
Parameters	**Units**				
Semi-volatile Organic Compounds (Continued)					
4-Chlorophenyl phenyl ether	µg/L	9.3 U	9.3 U	9.6 U	9.3 U
4-Methylphenol	µg/L	9.3 U	9.3 U	9.6 U	9.3 U
4-Nitroaniline	µg/L	46 U	46 U	48 U	46 U
4-Nitrophenol	µg/L	46 U	46 U	48 U	46 U
Acenaphthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Acenaphthylene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Anthracene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(a)anthracene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(a)pyrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(b)fluoranthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(g,h,i)perylene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(k)fluoranthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzoic acid	µg/L	46 U	46 U	48 U	46 U
Benzyl alcohol	µg/L	9.3 U	9.3 U	9.6 U	9.3 U
bis(2-Chloroethoxy)methane	µg/L	9.3 U	9.3 U	9.6 U	9.3 U
bis(2-Chloroethyl)ether	µg/L	9.3 U	9.3 U	9.6 U	9.3 U
bis(2-Ethylhexyl)phthalate (DEHP)	µg/L	19 U	19 U	19 U	19 U
Butyl benzylphthalate (BBP)	µg/L	9.3 U	9.3 U	9.6 U	9.3 U
Chrysene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Dibenz(a,h)anthracene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Dibenzofuran	µg/L	9.3 U	9.3 U	9.6 U	9.3 U
Diethyl phthalate	µg/L	9.3 U	9.3 U	9.6 U	9.3 U
Dimethyl phthalate	µg/L	9.3 U	9.3 U	9.6 U	9.3 U
Di-n-butylphthalate (DBP)	µg/L	9.3 U	9.3 U	9.6 U	9.3 U
Di-n-octyl phthalate (DnOP)	µg/L	9.3 U	9.3 U	9.6 U	9.3 U
Fluoranthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Fluorene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Hexachlorobenzene	µg/L	9.3 U	9.3 U	2.1 J	9.3 U
Hexachlorobutadiene	µg/L	9.3 U	9.3 U	9.6 U	9.3 U
Hexachlorocyclopentadiene	µg/L	9.3 U	9.3 U	9.6 U	9.3 U
Hexachloroethane	µg/L	9.3 U	9.3 U	9.6 U	9.3 U
Indeno(1,2,3-cd)pyrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U

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Love Canal Annual Long Term Monitoring Program
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Niagara Falls, New York
June - July 2015

	Sample Location:	**8130**	**8140**	**8210**	**9110**
	Sample ID:	**WG-9954-062215-DJT-008**	**WG-9954-062215-DJT-009**	**WG-9954-062615-SG-029**	**WG-9954-062415-SG-015**
	Sample Date:	**06/22/2015**	**06/22/2015**	**06/26/2015**	**06/24/2015**
Parameters	**Units**				
Semi-volatile Organic Compounds (Continued)					
Isophorone	µg/L	9.3 U	9.3 U	9.6 U	9.3 U
Naphthalene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Nitrobenzene	µg/L	19 U	19 U	19 U	19 U
N-Nitrosodi-n-propylamine	µg/L	9.3 U	9.3 U	9.6 U	9.3 U
N-Nitrosodiphenylamine	µg/L	9.3 U	9.3 U	9.6 U	9.3 U
Pentachlorophenol	µg/L	9.3 U	9.3 U	9.6 U	9.3 U
Phenanthrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Phenol	µg/L	9.3 U	9.3 U	9.6 U	9.3 U
Pyrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
PCBs					
Aroclor-1016 (PCB-1016)	µg/L	0.40 U	0.40 U	0.21 U	0.40 U
Aroclor-1221 (PCB-1221)	µg/L	0.40 U	0.40 U	0.21 U	0.40 U
Aroclor-1232 (PCB-1232)	µg/L	0.40 U	0.40 U	0.21 U	0.40 U
Aroclor-1242 (PCB-1242)	µg/L	0.40 U	0.40 U	0.21 U	0.40 U
Aroclor-1248 (PCB-1248)	µg/L	0.40 U	0.40 U	0.21 U	0.40 U
Aroclor-1254 (PCB-1254)	µg/L	0.40 U	0.40 U	0.21 U	0.40 U
Aroclor-1260 (PCB-1260)	µg/L	0.40 U	0.40 U	0.21 U	0.40 U
Pesticides					
4,4'-DDD	µg/L	0.050 U	0.050 U	0.026 U	0.050 U
4,4'-DDE	µg/L	0.050 U	0.050 U	0.026 U	0.050 U
4,4'-DDT	µg/L	0.050 U	0.050 U	0.025 J	0.050 U
Aldrin	µg/L	0.050 U	0.050 U	0.026 U	0.050 U
alpha-BHC	µg/L	0.050 U	0.050 U	0.072 U	0.050 U
alpha-Chlordane	µg/L	0.050 U	0.050 U	0.026 U	0.050 U
beta-BHC	µg/L	0.050 U	0.050 U	R	0.050 U
delta-BHC	µg/L	0.050 U	0.050 U	R	0.050 U
Dieldrin	µg/L	0.050 U	0.050 U	0.026 U	0.050 U
Endosulfan I	µg/L	0.050 U	0.050 U	0.026 U	0.050 U
Endosulfan II	µg/L	0.050 U	0.050 U	0.026 U	0.050 U
Endosulfan sulfate	µg/L	0.050 U	0.050 U	0.026 U	0.050 U

Table 2

Analytical Results Summary
Love Canal Annual Long Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
June - July 2015

	Sample Location:	**8130**	**8140**	**8210**	**9110**
	Sample ID:	**WG-9954-062215-DJT-008**	**WG-9954-062215-DJT-009**	**WG-9954-062615-SG-029**	**WG-9954-062415-SG-015**
	Sample Date:	**06/22/2015**	**06/22/2015**	**06/26/2015**	**06/24/2015**
Parameters	**Units**				
Pesticides (Continued)					
Endrin	µg/L	0.050 U	0.050 U	0.026 U	0.050 U
Endrin ketone	µg/L	0.050 U	0.050 U	0.026 U	0.050 U
gamma-BHC (lindane)	µg/L	0.050 U	0.050 U	0.056 U	0.050 U
gamma-Chlordane	µg/L	0.050 U	0.050 U	0.026 U	0.050 U
Heptachlor	µg/L	0.050 U	0.050 U	0.026 U	0.050 U
Heptachlor epoxide	µg/L	0.050 U	0.050 U	0.026 U	0.050 U
Methoxychlor	µg/L	0.10 U	0.10 U	0.051 J	0.10 U
Toxaphene	µg/L	4.0 U	4.0 U	2.1 U	4.0 U

Table 2

Analytical Results Summary
Love Canal Annual Long Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
June - July 2015

	Sample Location:	**9115**	**9120**	**9125**	**9130**
	Sample ID:	**WG-9954-062315-SG-014**	**WG-9954-062315-SG-012**	**WG-9954-062315-SG-013**	**WG-9954-062315-SG-010**
	Sample Date:	**06/23/2015**	**06/23/2015**	**06/23/2015**	**06/23/2015**
Parameters	**Units**				
Volatile Organic Compounds					
1,1,1-Trichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloropropane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2-Hexanone	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	µg/L	20 U	20 U	20 U	20 U
Benzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Bromodichloromethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Bromoform	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Bromomethane (Methyl bromide)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Carbon disulfide	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Carbon tetrachloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Chloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform (Trichloromethane)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Chloromethane (Methyl chloride)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,2-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,3-Dichloropropene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Dibromochloromethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Styrene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Toluene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U

Table 2

Analytical Results Summary
Love Canal Annual Long Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
June - July 2015

	Sample Location:	**9115**	**9120**	**9125**	**9130**
	Sample ID:	**WG-9954-062315-SG-014**	**WG-9954-062315-SG-012**	**WG-9954-062315-SG-013**	**WG-9954-062315-SG-010**
	Sample Date:	**06/23/2015**	**06/23/2015**	**06/23/2015**	**06/23/2015**
Parameters	**Units**				
Volatile Organic Compounds (Continued)					
trans-1,2-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,3-Dichloropropene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Vinyl acetate	µg/L	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ
Vinyl chloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Xylenes (total)	µg/L	10 U	10 U	10 U	10 U
Semi-volatile Organic Compounds					
1,2,4-Trichlorobenzene	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
1,2-Dichlorobenzene	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
1,3-Dichlorobenzene	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
1,4-Dichlorobenzene	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
2,4,5-Trichlorophenol	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
2,4,6-Trichlorophenol	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
2,4-Dichlorophenol	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
2,4-Dimethylphenol	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
2,4-Dinitrophenol	µg/L	46 U	46 U	46 U	46 U
2,4-Dinitrotoluene	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
2,6-Dinitrotoluene	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
2-Chloronaphthalene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
2-Chlorophenol	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
2-Methylnaphthalene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
2-Methylphenol	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
2-Nitroaniline	µg/L	46 U	46 U	46 U	46 U
2-Nitrophenol	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
3,3'-Dichlorobenzidine	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
3-Nitroaniline	µg/L	46 U	46 U	46 U	46 U
4,6-Dinitro-2-methylphenol	µg/L	46 U	46 U	46 U	46 U
4-Bromophenyl phenyl ether	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
4-Chloro-3-methylphenol	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
4-Chloroaniline	µg/L	9.3 U	9.3 U	9.3 U	9.3 U

Table 2

Analytical Results Summary
Love Canal Annual Long Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
June - July 2015

	Sample Location:	**9115**	**9120**	**9125**	**9130**
	Sample ID:	**WG-9954-062315-SG-014**	**WG-9954-062315-SG-012**	**WG-9954-062315-SG-013**	**WG-9954-062315-SG-010**
	Sample Date:	**06/23/2015**	**06/23/2015**	**06/23/2015**	**06/23/2015**
Parameters	**Units**				
Semi-volatile Organic Compounds (Continued)					
4-Chlorophenyl phenyl ether	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
4-Methylphenol	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
4-Nitroaniline	µg/L	46 U	46 U	46 U	46 U
4-Nitrophenol	µg/L	46 U	46 U	46 U	46 U
Acenaphthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Acenaphthylene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Anthracene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(a)anthracene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(a)pyrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(b)fluoranthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(g,h,i)perylene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(k)fluoranthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzoic acid	µg/L	46 U	46 U	46 U	46 U
Benzyl alcohol	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
bis(2-Chloroethoxy)methane	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
bis(2-Chloroethyl)ether	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
bis(2-Ethylhexyl)phthalate (DEHP)	µg/L	9.8 J	19 U	4.2 J	7.5 J
Butyl benzylphthalate (BBP)	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
Chrysene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Dibenz(a,h)anthracene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Dibenzofuran	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
Diethyl phthalate	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
Dimethyl phthalate	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
Di-n-butylphthalate (DBP)	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
Di-n-octyl phthalate (DnOP)	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
Fluoranthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Fluorene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Hexachlorobenzene	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
Hexachlorobutadiene	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
Hexachlorocyclopentadiene	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
Hexachloroethane	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
Indeno(1,2,3-cd)pyrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U

Table 2

Analytical Results Summary
Love Canal Annual Long Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
June - July 2015

	Sample Location:	**9115**	**9120**	**9125**	**9130**
	Sample ID:	**WG-9954-062315-SG-014**	**WG-9954-062315-SG-012**	**WG-9954-062315-SG-013**	**WG-9954-062315-SG-010**
	Sample Date:	**06/23/2015**	**06/23/2015**	**06/23/2015**	**06/23/2015**
Parameters	**Units**				
Semi-volatile Organic Compounds (Continued)					
Isophorone	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
Naphthalene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Nitrobenzene	µg/L	19 U	19 U	19 U	19 U
N-Nitrosodi-n-propylamine	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
N-Nitrosodiphenylamine	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
Pentachlorophenol	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
Phenanthrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Phenol	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
Pyrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
PCBs					
Aroclor-1016 (PCB-1016)	µg/L	0.40 U	0.40 U	0.40 U	0.40 U
Aroclor-1221 (PCB-1221)	µg/L	0.40 U	0.40 U	0.40 U	0.40 U
Aroclor-1232 (PCB-1232)	µg/L	0.40 U	0.40 U	0.40 U	0.40 U
Aroclor-1242 (PCB-1242)	µg/L	0.40 U	0.40 U	0.40 U	0.40 U
Aroclor-1248 (PCB-1248)	µg/L	0.40 U	0.40 U	0.40 U	0.40 U
Aroclor-1254 (PCB-1254)	µg/L	0.40 U	0.40 U	0.40 U	0.40 U
Aroclor-1260 (PCB-1260)	µg/L	0.40 U	0.40 U	0.40 U	0.40 U
Pesticides					
4,4'-DDD	µg/L	0.050 U	0.050 U	0.050 U	0.050 U
4,4'-DDE	µg/L	0.050 U	0.050 U	0.050 U	0.050 U
4,4'-DDT	µg/L	0.050 U	0.050 U	0.050 U	0.050 U
Aldrin	µg/L	0.050 U	0.050 U	0.050 U	0.050 U
alpha-BHC	µg/L	0.050 U	0.050 U	0.050 U	0.050 U
alpha-Chlordane	µg/L	0.050 U	0.050 U	0.050 U	0.050 U
beta-BHC	µg/L	0.050 U	0.050 U	0.050 U	0.050 U
delta-BHC	µg/L	0.050 U	0.050 U	0.050 U	0.050 U
Dieldrin	µg/L	0.050 U	0.050 U	0.050 U	0.050 U
Endosulfan I	µg/L	0.050 U	0.050 U	0.050 U	0.050 U
Endosulfan II	µg/L	0.050 U	0.050 U	0.050 U	0.050 U
Endosulfan sulfate	µg/L	0.050 U	0.050 U	0.050 U	0.050 U

Table 2

Analytical Results Summary
Love Canal Annual Long Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
June - July 2015

	Sample Location:	**9115**	**9120**	**9125**	**9130**
	Sample ID:	**WG-9954-062315-SG-014**	**WG-9954-062315-SG-012**	**WG-9954-062315-SG-013**	**WG-9954-062315-SG-010**
	Sample Date:	**06/23/2015**	**06/23/2015**	**06/23/2015**	**06/23/2015**
Parameters	**Units**				
Pesticides (Continued)					
Endrin	µg/L	0.050 U	0.050 U	0.050 U	0.050 U
Endrin ketone	µg/L	0.050 U	0.050 U	0.050 U	0.050 U
gamma-BHC (lindane)	µg/L	0.050 U	0.050 U	0.050 U	0.050 U
gamma-Chlordane	µg/L	0.050 U	0.050 U	0.050 U	0.050 U
Heptachlor	µg/L	0.050 U	0.050 U	0.050 U	0.050 U
Heptachlor epoxide	µg/L	0.050 U	0.050 U	0.050 U	0.050 U
Methoxychlor	µg/L	0.10 U	0.10 U	0.10 U	0.10 U
Toxaphene	µg/L	4.0 U	4.0 U	4.0 U	4.0 U

Table 2

Analytical Results Summary
Love Canal Annual Long Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
June - July 2015

	Sample Location:	**9130**	**9140**	**9205**	**9210**
	Sample ID:	**WG-9954-062315-SG-011**	**WG-9954-062415-SG-016**	**WG-9954-062615-SG-028**	**WG-9954-062615-SG-030**
	Sample Date:	**06/23/2015 (Duplicate)**	**06/24/2015**	**06/26/2015**	**06/26/2015**
Parameters	**Units**				
Volatile Organic Compounds					
1,1,1-Trichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloropropane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2-Hexanone	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	µg/L	20 U	20 UJ	20 U	20 U
Benzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Bromodichloromethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Bromoform	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Bromomethane (Methyl bromide)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Carbon disulfide	µg/L	5.0 U	1.9 J	1.2 J	1.2 J
Carbon tetrachloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Chloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform (Trichloromethane)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Chloromethane (Methyl chloride)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,2-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,3-Dichloropropene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Dibromochloromethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Styrene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Toluene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U

Table 2

Analytical Results Summary
Love Canal Annual Long Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
June - July 2015

	Sample Location:	**9130**	**9140**	**9205**	**9210**
	Sample ID:	**WG-9954-062315-SG-011**	**WG-9954-062415-SG-016**	**WG-9954-062615-SG-028**	**WG-9954-062615-SG-030**
	Sample Date:	**06/23/2015**	**06/24/2015**	**06/26/2015**	**06/26/2015**
		(Duplicate)			
Parameters	**Units**				
Volatile Organic Compounds (Continued)					
trans-1,2-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,3-Dichloropropene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Vinyl acetate	µg/L	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ
Vinyl chloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Xylenes (total)	µg/L	10 U	10 U	10 U	10 U
Semi-volatile Organic Compounds					
1,2,4-Trichlorobenzene	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
1,2-Dichlorobenzene	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
1,3-Dichlorobenzene	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
1,4-Dichlorobenzene	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
2,4,5-Trichlorophenol	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
2,4,6-Trichlorophenol	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
2,4-Dichlorophenol	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
2,4-Dimethylphenol	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
2,4-Dinitrophenol	µg/L	46 U	46 U	46 U	46 U
2,4-Dinitrotoluene	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
2,6-Dinitrotoluene	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
2-Chloronaphthalene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
2-Chlorophenol	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
2-Methylnaphthalene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
2-Methylphenol	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
2-Nitroaniline	µg/L	46 U	46 U	46 U	46 U
2-Nitrophenol	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
3,3'-Dichlorobenzidine	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
3-Nitroaniline	µg/L	46 U	46 U	46 U	46 U
4,6-Dinitro-2-methylphenol	µg/L	46 U	46 U	46 U	46 U
4-Bromophenyl phenyl ether	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
4-Chloro-3-methylphenol	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
4-Chloroaniline	µg/L	9.3 U	9.3 U	9.3 U	9.3 U

Table 2

Analytical Results Summary
Love Canal Annual Long Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
June - July 2015

	Sample Location:	**9130**	**9140**	**9205**	**9210**
	Sample ID:	**WG-9954-062315-SG-011**	**WG-9954-062415-SG-016**	**WG-9954-062615-SG-028**	**WG-9954-062615-SG-030**
	Sample Date:	**06/23/2015**	**06/24/2015**	**06/26/2015**	**06/26/2015**
		(Duplicate)			
Parameters	**Units**				
Semi-volatile Organic Compounds (Continued)					
4-Chlorophenyl phenyl ether	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
4-Methylphenol	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
4-Nitroaniline	µg/L	46 U	46 U	46 U	46 U
4-Nitrophenol	µg/L	46 U	46 U	46 U	46 U
Acenaphthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Acenaphthylene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Anthracene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(a)anthracene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(a)pyrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(b)fluoranthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(g,h,i)perylene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(k)fluoranthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzoic acid	µg/L	46 U	46 U	46 U	46 U
Benzyl alcohol	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
bis(2-Chloroethoxy)methane	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
bis(2-Chloroethyl)ether	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
bis(2-Ethylhexyl)phthalate (DEHP)	µg/L	19 U	19 U	19 U	19 U
Butyl benzylphthalate (BBP)	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
Chrysene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Dibenz(a,h)anthracene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Dibenzofuran	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
Diethyl phthalate	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
Dimethyl phthalate	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
Di-n-butylphthalate (DBP)	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
Di-n-octyl phthalate (DnOP)	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
Fluoranthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Fluorene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Hexachlorobenzene	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
Hexachlorobutadiene	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
Hexachlorocyclopentadiene	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
Hexachloroethane	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
Indeno(1,2,3-cd)pyrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U

Table 2

Analytical Results Summary
Love Canal Annual Long Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
June - July 2015

	Sample Location:	**9130**	**9140**	**9205**	**9210**
	Sample ID:	**WG-9954-062315-SG-011**	**WG-9954-062415-SG-016**	**WG-9954-062615-SG-028**	**WG-9954-062615-SG-030**
	Sample Date:	**06/23/2015 (Duplicate)**	**06/24/2015**	**06/26/2015**	**06/26/2015**
Parameters	**Units**				
Semi-volatile Organic Compounds (Continued)					
Isophorone	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
Naphthalene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Nitrobenzene	µg/L	19 U	19 U	19 U	19 U
N-Nitrosodi-n-propylamine	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
N-Nitrosodiphenylamine	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
Pentachlorophenol	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
Phenanthrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Phenol	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
Pyrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
PCBs					
Aroclor-1016 (PCB-1016)	µg/L	0.40 U	0.40 U	0.20 U	0.21 U
Aroclor-1221 (PCB-1221)	µg/L	0.40 U	0.40 U	0.20 U	0.21 U
Aroclor-1232 (PCB-1232)	µg/L	0.40 U	0.40 U	0.20 U	0.21 U
Aroclor-1242 (PCB-1242)	µg/L	0.40 U	0.40 U	0.20 U	0.21 U
Aroclor-1248 (PCB-1248)	µg/L	0.40 U	0.40 U	0.20 U	0.21 U
Aroclor-1254 (PCB-1254)	µg/L	0.40 U	0.40 U	0.20 U	0.21 U
Aroclor-1260 (PCB-1260)	µg/L	0.40 U	0.40 U	0.20 U	0.21 U
Pesticides					
4,4'-DDD	µg/L	0.050 U	0.050 U	0.025 U	0.026 U
4,4'-DDE	µg/L	0.050 U	0.050 U	0.025 U	0.026 U
4,4'-DDT	µg/L	0.050 U	0.050 U	0.025 U	0.057
Aldrin	µg/L	0.050 U	0.050 U	0.025 U	0.026 U
alpha-BHC	µg/L	0.050 U	0.050 U	0.090 U	0.035 U
alpha-Chlordane	µg/L	0.050 U	0.050 U	0.025 U	0.026 U
beta-BHC	µg/L	0.050 U	0.050 U	R	R
delta-BHC	µg/L	0.050 U	0.050 U	0.090	R
Dieldrin	µg/L	0.050 U	0.050 U	0.061	0.032 J
Endosulfan I	µg/L	0.050 U	0.050 U	0.025 U	R
Endosulfan II	µg/L	0.050 U	0.050 U	0.025 U	R
Endosulfan sulfate	µg/L	0.050 U	0.050 U	0.025 U	0.077

Table 2

Analytical Results Summary
Love Canal Annual Long Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
June - July 2015

	Sample Location:	**9130**	**9140**	**9205**	**9210**
	Sample ID:	**WG-9954-062315-SG-011**	**WG-9954-062415-SG-016**	**WG-9954-062615-SG-028**	**WG-9954-062615-SG-030**
	Sample Date:	**06/23/2015**	**06/24/2015**	**06/26/2015**	**06/26/2015**
		(Duplicate)			
Parameters	**Units**				
Pesticides (Continued)					
Endrin	µg/L	0.050 U	0.050 U	0.025 U	0.026 U
Endrin ketone	µg/L	0.050 U	0.050 U	0.025 U	0.026 U
gamma-BHC (lindane)	µg/L	0.050 U	0.050 U	0.071 U	0.026 U
gamma-Chlordane	µg/L	0.050 U	0.050 U	0.025 U	0.026 U
Heptachlor	µg/L	0.050 U	0.050 U	0.025 U	0.026 U
Heptachlor epoxide	µg/L	0.050 U	0.050 U	0.028	0.026 U
Methoxychlor	µg/L	0.10 U	0.10 U	0.024 J	0.074
Toxaphene	µg/L	4.0 U	4.0 U	2.0 U	2.1 U

Table 2

Analytical Results Summary
Love Canal Annual Long Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
June - July 2015

	Sample Location:	**9210**	**10105**	**10135**	**10147**
	Sample ID:	**WG-9954-062615-SG-031**	**WG-9954-062515-SG-017**	**WG-9954-062515-SG-023**	**WG-9954-062515-SG-022**
	Sample Date:	**06/26/2015**	**06/25/2015**	**06/25/2015**	**06/25/2015**
		(Duplicate)			
Parameters	**Units**				
Volatile Organic Compounds					
1,1,1-Trichloroethane	µg/L	5.0 U	5.0 U	500 U	5.0 U
1,1,2,2-Tetrachloroethane	µg/L	5.0 U	5.0 U	500 U	5.0 U
1,1,2-Trichloroethane	µg/L	5.0 U	5.0 U	500 U	5.0 U
1,1-Dichloroethane	µg/L	5.0 U	5.0 U	500 U	5.0 U
1,1-Dichloroethene	µg/L	5.0 U	5.0 U	500 U	5.0 U
1,2-Dichloroethane	µg/L	5.0 U	5.0 U	500 U	5.0 U
1,2-Dichloropropane	µg/L	5.0 U	5.0 U	500 U	5.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	5.0 U	5.0 U	500 U	5.0 U
2-Hexanone	µg/L	5.0 U	5.0 U	500 U	5.0 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	5.0 U	5.0 U	500 U	5.0 U
Acetone	µg/L	20 U	20 U	2000 U	20 U
Benzene	µg/L	5.0 U	5.0 U	6200	5.0 U
Bromodichloromethane	µg/L	5.0 U	5.0 U	500 U	5.0 U
Bromoform	µg/L	5.0 U	5.0 U	500 U	5.0 U
Bromomethane (Methyl bromide)	µg/L	5.0 U	5.0 U	500 U	5.0 U
Carbon disulfide	µg/L	1.4 J	5.0 U	500 U	5.0 U
Carbon tetrachloride	µg/L	5.0 U	5.0 U	500 U	5.0 U
Chlorobenzene	µg/L	5.0 U	5.0 U	2600	5.0 U
Chloroethane	µg/L	5.0 U	5.0 U	500 U	5.0 U
Chloroform (Trichloromethane)	µg/L	5.0 U	5.0 U	180 J	5.0 U
Chloromethane (Methyl chloride)	µg/L	5.0 U	5.0 U	500 U	5.0 U
cis-1,2-Dichloroethene	µg/L	5.0 U	5.0 U	500 U	5.0 U
cis-1,3-Dichloropropene	µg/L	5.0 U	5.0 U	500 U	5.0 U
Dibromochloromethane	µg/L	5.0 U	5.0 U	500 U	5.0 U
Ethylbenzene	µg/L	5.0 U	5.0 U	500 U	5.0 U
Methylene chloride	µg/L	5.0 U	5.0 U	150 J	5.0 U
Styrene	µg/L	5.0 U	5.0 U	500 U	5.0 U
Tetrachloroethene	µg/L	5.0 U	5.0 U	500 U	5.0 U
Toluene	µg/L	5.0 U	5.0 U	20000	5.0 U

Table 2

Analytical Results Summary
Love Canal Annual Long Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
June - July 2015

	Sample Location:	**9210**	**10105**	**10135**	**10147**
	Sample ID:	**WG-9954-062615-SG-031**	**WG-9954-062515-SG-017**	**WG-9954-062515-SG-023**	**WG-9954-062515-SG-022**
	Sample Date:	**06/26/2015**	**06/25/2015**	**06/25/2015**	**06/25/2015**
		(Duplicate)			
Parameters	**Units**				
Volatile Organic Compounds (Continued)					
trans-1,2-Dichloroethene	µg/L	5.0 U	5.0 U	500 U	5.0 U
trans-1,3-Dichloropropene	µg/L	5.0 U	5.0 U	500 U	5.0 U
Trichloroethene	µg/L	5.0 U	5.0 U	110 J	5.0 U
Vinyl acetate	µg/L	5.0 UJ	5.0 UJ	500 UJ	5.0 UJ
Vinyl chloride	µg/L	5.0 U	5.0 U	500 U	5.0 U
Xylenes (total)	µg/L	10 U	10 U	1000 U	10 U
Semi-volatile Organic Compounds					
1,2,4-Trichlorobenzene	µg/L	9.3 U	9.3 U	230 U	9.3 U
1,2-Dichlorobenzene	µg/L	9.3 U	9.3 U	47 J	9.3 U
1,3-Dichlorobenzene	µg/L	9.3 U	9.3 U	230 U	9.3 U
1,4-Dichlorobenzene	µg/L	9.3 U	9.3 U	140 J	9.3 U
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	µg/L	9.3 U	9.3 U	230 U	9.3 U
2,4,5-Trichlorophenol	µg/L	9.3 U	9.3 U	230 U	9.3 U
2,4,6-Trichlorophenol	µg/L	9.3 U	9.3 U	230 U	9.3 U
2,4-Dichlorophenol	µg/L	9.3 U	9.3 U	790	9.3 U
2,4-Dimethylphenol	µg/L	9.3 U	9.3 U	230 U	9.3 U
2,4-Dinitrophenol	µg/L	46 U	46 U	1200 U	46 U
2,4-Dinitrotoluene	µg/L	9.3 U	9.3 U	230 U	9.3 U
2,6-Dinitrotoluene	µg/L	9.3 U	9.3 U	230 U	9.3 U
2-Chloronaphthalene	µg/L	1.9 U	1.9 U	46 U	1.9 U
2-Chlorophenol	µg/L	9.3 U	9.3 U	230 U	9.3 U
2-Methylnaphthalene	µg/L	1.9 U	1.9 U	46 U	1.9 U
2-Methylphenol	µg/L	9.3 U	9.3 U	44 J	9.3 U
2-Nitroaniline	µg/L	46 U	46 U	1200 U	46 U
2-Nitrophenol	µg/L	9.3 U	9.3 U	230 U	9.3 U
3,3'-Dichlorobenzidine	µg/L	9.3 U	9.3 U	230 U	9.3 U
3-Nitroaniline	µg/L	46 U	46 U	1200 U	46 U
4,6-Dinitro-2-methylphenol	µg/L	46 U	46 U	1200 U	46 U
4-Bromophenyl phenyl ether	µg/L	9.3 U	9.3 U	230 U	9.3 U
4-Chloro-3-methylphenol	µg/L	9.3 U	9.3 U	230 U	9.3 U
4-Chloroaniline	µg/L	9.3 U	9.3 U	230 U	9.3 U

Table 2

Analytical Results Summary
Love Canal Annual Long Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
June - July 2015

	Sample Location:	**9210**	**10105**	**10135**	**10147**
	Sample ID:	**WG-9954-062615-SG-031**	**WG-9954-062515-SG-017**	**WG-9954-062515-SG-023**	**WG-9954-062515-SG-022**
	Sample Date:	**06/26/2015**	**06/25/2015**	**06/25/2015**	**06/25/2015**
		(Duplicate)			
Parameters	**Units**				
Semi-volatile Organic Compounds (Continued)					
4-Chlorophenyl phenyl ether	µg/L	9.3 U	9.3 U	230 U	9.3 U
4-Methylphenol	µg/L	9.3 U	9.3 U	93 J	9.3 U
4-Nitroaniline	µg/L	46 U	46 U	1200 U	46 U
4-Nitrophenol	µg/L	46 U	46 U	1200 U	46 U
Acenaphthene	µg/L	1.9 U	1.9 U	46 U	1.9 U
Acenaphthylene	µg/L	1.9 U	1.9 U	46 U	1.9 U
Anthracene	µg/L	1.9 U	1.9 U	46 U	1.9 U
Benzo(a)anthracene	µg/L	1.9 U	1.9 U	46 U	1.9 U
Benzo(a)pyrene	µg/L	1.9 U	1.9 U	46 U	1.9 U
Benzo(b)fluoranthene	µg/L	1.9 U	1.9 U	46 U	1.9 U
Benzo(g,h,i)perylene	µg/L	1.9 U	1.9 U	46 U	1.9 U
Benzo(k)fluoranthene	µg/L	1.9 U	1.9 U	46 U	1.9 U
Benzoic acid	µg/L	46 U	46 U	16000	46 U
Benzyl alcohol	µg/L	9.3 U	9.3 U	250	9.3 U
bis(2-Chloroethoxy)methane	µg/L	9.3 U	9.3 U	230 U	9.3 U
bis(2-Chloroethyl)ether	µg/L	9.3 U	9.3 U	27 J	9.3 U
bis(2-Ethylhexyl)phthalate (DEHP)	µg/L	19 U	8.0 J	460 U	8.3 J
Butyl benzylphthalate (BBP)	µg/L	9.3 U	9.3 U	230 U	9.3 U
Chrysene	µg/L	1.9 U	1.9 U	46 U	1.9 U
Dibenz(a,h)anthracene	µg/L	1.9 U	1.9 U	46 U	1.9 U
Dibenzofuran	µg/L	9.3 U	9.3 U	230 U	9.3 U
Diethyl phthalate	µg/L	9.3 U	9.3 U	230 U	9.3 U
Dimethyl phthalate	µg/L	9.3 U	9.3 U	230 U	9.3 U
Di-n-butylphthalate (DBP)	µg/L	9.3 U	9.3 U	230 U	9.3 U
Di-n-octyl phthalate (DnOP)	µg/L	9.3 U	9.3 U	230 U	9.3 U
Fluoranthene	µg/L	1.9 U	1.9 U	46 U	1.9 U
Fluorene	µg/L	1.9 U	1.9 U	46 U	1.9 U
Hexachlorobenzene	µg/L	9.3 U	9.3 U	230 U	9.3 U
Hexachlorobutadiene	µg/L	9.3 U	9.3 U	230 U	9.3 U
Hexachlorocyclopentadiene	µg/L	9.3 U	9.3 U	230 U	9.3 U
Hexachloroethane	µg/L	9.3 U	9.3 U	230 U	9.3 U
Indeno(1,2,3-cd)pyrene	µg/L	1.9 U	1.9 U	46 U	1.9 U

Table 2

Analytical Results Summary
Love Canal Annual Long Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
June - July 2015

	Sample Location:	**9210**	**10105**	**10135**	**10147**
	Sample ID:	**WG-9954-062615-SG-031**	**WG-9954-062515-SG-017**	**WG-9954-062515-SG-023**	**WG-9954-062515-SG-022**
	Sample Date:	**06/26/2015**	**06/25/2015**	**06/25/2015**	**06/25/2015**
		(Duplicate)			
Parameters	**Units**				
Semi-volatile Organic Compounds (Continued)					
Isophorone	µg/L	9.3 U	9.3 U	230 U	9.3 U
Naphthalene	µg/L	1.9 U	1.9 U	46 U	1.9 U
Nitrobenzene	µg/L	19 U	19 U	460 U	19 U
N-Nitrosodi-n-propylamine	µg/L	9.3 U	9.3 U	230 U	9.3 U
N-Nitrosodiphenylamine	µg/L	9.3 U	9.3 U	230 U	9.3 U
Pentachlorophenol	µg/L	9.3 U	9.3 U	230 U	9.3 U
Phenanthrene	µg/L	1.9 U	1.9 U	46 U	1.9 U
Phenol	µg/L	9.3 U	9.3 U	87 J	9.3 U
Pyrene	µg/L	1.9 U	1.9 U	46 U	1.9 U
PCBs					
Aroclor-1016 (PCB-1016)	µg/L	0.21 U	0.40 U	0.40 U	0.40 U
Aroclor-1221 (PCB-1221)	µg/L	0.21 U	0.40 U	0.40 U	0.40 U
Aroclor-1232 (PCB-1232)	µg/L	0.21 U	0.40 U	0.40 U	0.40 U
Aroclor-1242 (PCB-1242)	µg/L	0.21 U	0.40 U	0.40 U	0.40 U
Aroclor-1248 (PCB-1248)	µg/L	0.21 U	0.40 U	0.40 U	0.40 U
Aroclor-1254 (PCB-1254)	µg/L	0.21 U	0.40 U	0.40 U	0.40 U
Aroclor-1260 (PCB-1260)	µg/L	0.21 U	0.40 U	0.40 U	0.40 U
Pesticides					
4,4'-DDD	µg/L	0.026 U	0.050 U	R	0.045 J
4,4'-DDE	µg/L	0.026 U	0.050 U	R	0.050 U
4,4'-DDT	µg/L	0.029 J	0.050 U	0.050 U	0.050 U
Aldrin	µg/L	0.026 U	0.050 U	R	0.050 U
alpha-BHC	µg/L	0.037 U	0.050 U	20	0.050 U
alpha-Chlordane	µg/L	0.026 U	0.050 U	0.050 U	0.050 U
beta-BHC	µg/L	0.026 U	0.050 U	4.7	0.050 U
delta-BHC	µg/L	0.026 U	0.050 U	7.4	0.050 U
Dieldrin	µg/L	0.019 J	0.050 U	0.050 U	0.050 U
Endosulfan I	µg/L	0.026 U	0.050 U	R	0.050 U
Endosulfan II	µg/L	0.026 U	0.050 U	0.050 U	0.050 U
Endosulfan sulfate	µg/L	0.039	0.050 U	0.035 J	0.050 U

Table 2

Analytical Results Summary
Love Canal Annual Long Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
June - July 2015

	Sample Location:	**9210**	**10105**	**10135**	**10147**
	Sample ID:	**WG-9954-062615-SG-031**	**WG-9954-062515-SG-017**	**WG-9954-062515-SG-023**	**WG-9954-062515-SG-022**
	Sample Date:	**06/26/2015**	**06/25/2015**	**06/25/2015**	**06/25/2015**
		(Duplicate)			
Parameters	**Units**				
Pesticides (Continued)					
Endrin	µg/L	0.026 U	0.050 U	1.4	0.050 U
Endrin ketone	µg/L	0.026 U	0.050 U	0.050 U	0.050 U
gamma-BHC (lindane)	µg/L	0.041 U	0.050 U	3.2	0.050 U
gamma-Chlordane	µg/L	0.026 U	0.050 U	1.1 J	0.050 U
Heptachlor	µg/L	0.026 U	0.050 U	R	0.050 U
Heptachlor epoxide	µg/L	0.026 U	0.050 U	R	0.050 U
Methoxychlor	µg/L	0.11	0.10 U	0.10 U	0.10 U
Toxaphene	µg/L	2.1 U	4.0 U	4.0 U	4.0 U

Table 2

Analytical Results Summary
Love Canal Annual Long Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
June - July 2015

	Sample Location:	**10174A**	**10205**	**10210A**	**10210B**
	Sample ID:	**WG-9954-062515-SG-021**	**WG-9954-062615-SG-035**	**WG-9954-062615-SG-032**	**WG-9954-070215-SG-041**
	Sample Date:	**06/25/2015**	**06/26/2015**	**06/26/2015**	**07/02/2015**
Parameters	**Units**				
Volatile Organic Compounds					
1,1,1-Trichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloropropane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2-Hexanone	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	µg/L	20 U	20 U	20 UJ	20 U
Benzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Bromodichloromethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Bromoform	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Bromomethane (Methyl bromide)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Carbon disulfide	µg/L	5.0 U	5.0 U	2.9 J	7.9
Carbon tetrachloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Chloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform (Trichloromethane)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Chloromethane (Methyl chloride)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,2-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,3-Dichloropropene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Dibromochloromethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Styrene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Toluene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U

Table 2

Analytical Results Summary
Love Canal Annual Long Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
June - July 2015

	Sample Location:	**10174A**	**10205**	**10210A**	**10210B**
	Sample ID:	**WG-9954-062515-SG-021**	**WG-9954-062615-SG-035**	**WG-9954-062615-SG-032**	**WG-9954-070215-SG-041**
	Sample Date:	**06/25/2015**	**06/26/2015**	**06/26/2015**	**07/02/2015**
Parameters	**Units**				
Volatile Organic Compounds (Continued)					
trans-1,2-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,3-Dichloropropene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Vinyl acetate	µg/L	5.0 UJ	5.0 UJ	5.0 U	5.0 UJ
Vinyl chloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Xylenes (total)	µg/L	10 U	10 U	10 U	10 U
Semi-volatile Organic Compounds					
1,2,4-Trichlorobenzene	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
1,2-Dichlorobenzene	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
1,3-Dichlorobenzene	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
1,4-Dichlorobenzene	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
2,4,5-Trichlorophenol	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
2,4,6-Trichlorophenol	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
2,4-Dichlorophenol	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
2,4-Dimethylphenol	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
2,4-Dinitrophenol	µg/L	46 U	46 U	46 U	46 U
2,4-Dinitrotoluene	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
2,6-Dinitrotoluene	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
2-Chloronaphthalene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
2-Chlorophenol	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
2-Methylnaphthalene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
2-Methylphenol	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
2-Nitroaniline	µg/L	46 U	46 U	46 U	46 U
2-Nitrophenol	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
3,3'-Dichlorobenzidine	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
3-Nitroaniline	µg/L	46 U	46 U	46 U	46 U
4,6-Dinitro-2-methylphenol	µg/L	46 U	46 U	46 U	46 U
4-Bromophenyl phenyl ether	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
4-Chloro-3-methylphenol	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
4-Chloroaniline	µg/L	9.3 U	9.3 U	9.3 U	9.3 U

Table 2

Analytical Results Summary
Love Canal Annual Long Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
June - July 2015

	Sample Location:	**10174A**	**10205**	**10210A**	**10210B**
	Sample ID:	**WG-9954-062515-SG-021**	**WG-9954-062615-SG-035**	**WG-9954-062615-SG-032**	**WG-9954-070215-SG-041**
	Sample Date:	**06/25/2015**	**06/26/2015**	**06/26/2015**	**07/02/2015**
Parameters	**Units**				
Semi-volatile Organic Compounds (Continued)					
4-Chlorophenyl phenyl ether	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
4-Methylphenol	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
4-Nitroaniline	µg/L	46 U	46 U	46 U	46 U
4-Nitrophenol	µg/L	46 U	46 U	46 U	46 U
Acenaphthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Acenaphthylene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Anthracene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(a)anthracene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(a)pyrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(b)fluoranthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(g,h,i)perylene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(k)fluoranthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzoic acid	µg/L	46 U	46 U	46 U	46 U
Benzyl alcohol	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
bis(2-Chloroethoxy)methane	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
bis(2-Chloroethyl)ether	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
bis(2-Ethylhexyl)phthalate (DEHP)	µg/L	19 U	19 U	19 U	19 U
Butyl benzylphthalate (BBP)	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
Chrysene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Dibenz(a,h)anthracene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Dibenzofuran	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
Diethyl phthalate	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
Dimethyl phthalate	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
Di-n-butylphthalate (DBP)	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
Di-n-octyl phthalate (DnOP)	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
Fluoranthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Fluorene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Hexachlorobenzene	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
Hexachlorobutadiene	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
Hexachlorocyclopentadiene	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
Hexachloroethane	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
Indeno(1,2,3-cd)pyrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U

Table 2

Analytical Results Summary
Love Canal Annual Long Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
June - July 2015

	Sample Location:	**10174A**	**10205**	**10210A**	**10210B**
	Sample ID:	**WG-9954-062515-SG-021**	**WG-9954-062615-SG-035**	**WG-9954-062615-SG-032**	**WG-9954-070215-SG-041**
	Sample Date:	**06/25/2015**	**06/26/2015**	**06/26/2015**	**07/02/2015**
Parameters	**Units**				
Semi-volatile Organic Compounds (Continued)					
Isophorone	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
Naphthalene	µg/L	1.9 U	1.9 U	0.41 J	1.9 U
Nitrobenzene	µg/L	19 U	19 U	19 U	19 U
N-Nitrosodi-n-propylamine	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
N-Nitrosodiphenylamine	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
Pentachlorophenol	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
Phenanthrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Phenol	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
Pyrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
PCBs					
Aroclor-1016 (PCB-1016)	µg/L	0.40 U	0.20 U	0.20 U	0.42 U
Aroclor-1221 (PCB-1221)	µg/L	0.40 U	0.20 U	0.20 U	0.42 U
Aroclor-1232 (PCB-1232)	µg/L	0.40 U	0.20 U	0.20 U	0.42 U
Aroclor-1242 (PCB-1242)	µg/L	0.40 U	0.20 U	0.20 U	0.42 U
Aroclor-1248 (PCB-1248)	µg/L	0.40 U	0.20 U	0.20 U	0.42 U
Aroclor-1254 (PCB-1254)	µg/L	0.40 U	0.20 U	0.20 U	0.42 U
Aroclor-1260 (PCB-1260)	µg/L	0.40 U	0.20 U	0.20 U	0.42 U
Pesticides					
4,4'-DDD	µg/L	0.050 U	0.025 U	0.025 U	0.052 U
4,4'-DDE	µg/L	0.050 U	0.017 J	0.023 NJ	0.052 U
4,4'-DDT	µg/L	0.050 U	0.037 J	0.078 J	0.052 U
Aldrin	µg/L	0.050 U	0.025 U	0.025 U	0.052 U
alpha-BHC	µg/L	0.050 U	0.025 U	0.025 U	0.052 U
alpha-Chlordane	µg/L	0.050 U	0.025 U	0.030	0.052 U
beta-BHC	µg/L	0.050 U	R	0.025 U	0.052 U
delta-BHC	µg/L	0.050 U	0.10 NJ	R	0.052 U
Dieldrin	µg/L	0.050 U	0.022 J	0.025 U	0.052 U
Endosulfan I	µg/L	0.050 U	0.025 U	R	0.052 U
Endosulfan II	µg/L	0.050 U	0.037 NJ	R	0.052 U
Endosulfan sulfate	µg/L	0.050 U	R	R	0.052 U

Table 2

Analytical Results Summary
Love Canal Annual Long Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
June - July 2015

	Sample Location:	**10174A**	**10205**	**10210A**	**10210B**
	Sample ID:	**WG-9954-062515-SG-021**	**WG-9954-062615-SG-035**	**WG-9954-062615-SG-032**	**WG-9954-070215-SG-041**
	Sample Date:	**06/25/2015**	**06/26/2015**	**06/26/2015**	**07/02/2015**
Parameters	**Units**				
Pesticides (Continued)					
Endrin	µg/L	0.050 U	0.025 U	0.025 U	0.052 U
Endrin ketone	µg/L	0.050 U	0.025 U	0.025 U	0.052 U
gamma-BHC (lindane)	µg/L	0.050 U	0.025 U	0.025 U	0.052 U
gamma-Chlordane	µg/L	0.050 U	0.025 U	0.025 U	0.052 U
Heptachlor	µg/L	0.050 U	0.025 U	0.025 U	0.052 U
Heptachlor epoxide	µg/L	0.050 U	0.025 U	R	0.052 U
Methoxychlor	µg/L	0.10 U	R	R	0.10 U
Toxaphene	µg/L	4.0 U	2.0 U	2.0 U	4.2 U

Table 2

Analytical Results Summary
Love Canal Annual Long Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
June - July 2015

	Sample Location:	**10210C**	**10210C**	**10215**	**10225A**
	Sample ID:	**WG-9954-070215-SG-042**	**WG-9954-070215-SG-043**	**WG-9954-070215-SG-044**	**WG-9954-062615-SG-033**
	Sample Date:	**07/02/2015**	**07/02/2015**	**07/02/2015**	**06/26/2015**
			(Duplicate)		
Parameters	**Units**				
Volatile Organic Compounds					
1,1,1-Trichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloropropane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2-Hexanone	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	µg/L	20 U	20 U	20 U	20 U
Benzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Bromodichloromethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Bromoform	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Bromomethane (Methyl bromide)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Carbon disulfide	µg/L	5.0 U	2.1 J	2.0 J	5.0 U
Carbon tetrachloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Chloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform (Trichloromethane)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Chloromethane (Methyl chloride)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,2-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,3-Dichloropropene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Dibromochloromethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	µg/L	5.0 U	5.0 U	5.0 U	0.73 J
Methylene chloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Styrene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Toluene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U

Table 2

Analytical Results Summary
Love Canal Annual Long Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
June - July 2015

	Sample Location:	**10210C**	**10210C**	**10215**	**10225A**
	Sample ID:	**WG-9954-070215-SG-042**	**WG-9954-070215-SG-043**	**WG-9954-070215-SG-044**	**WG-9954-062615-SG-033**
	Sample Date:	**07/02/2015**	**07/02/2015**	**07/02/2015**	**06/26/2015**
			(Duplicate)		
Parameters	**Units**				
Volatile Organic Compounds (Continued)					
trans-1,2-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,3-Dichloropropene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Vinyl acetate	µg/L	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ
Vinyl chloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Xylenes (total)	µg/L	10 U	10 U	10 U	10 U
Semi-volatile Organic Compounds					
1,2,4-Trichlorobenzene	µg/L	9.3 U	9.3 U	9.3 U	9.6 U
1,2-Dichlorobenzene	µg/L	9.3 U	9.3 U	9.3 U	9.6 U
1,3-Dichlorobenzene	µg/L	9.3 U	9.3 U	9.3 U	9.6 U
1,4-Dichlorobenzene	µg/L	9.3 U	9.3 U	9.3 U	9.6 U
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	µg/L	9.3 U	9.3 U	9.3 U	9.6 U
2,4,5-Trichlorophenol	µg/L	9.3 U	9.3 U	9.3 U	9.6 U
2,4,6-Trichlorophenol	µg/L	9.3 U	9.3 U	9.3 U	9.6 U
2,4-Dichlorophenol	µg/L	9.3 U	9.3 U	9.3 U	9.6 U
2,4-Dimethylphenol	µg/L	9.3 U	9.3 U	9.3 U	9.6 U
2,4-Dinitrophenol	µg/L	46 U	46 U	46 U	48 U
2,4-Dinitrotoluene	µg/L	9.3 U	9.3 U	9.3 U	9.6 U
2,6-Dinitrotoluene	µg/L	9.3 U	9.3 U	9.3 U	9.6 U
2-Chloronaphthalene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
2-Chlorophenol	µg/L	9.3 U	9.3 U	9.3 U	9.6 U
2-Methylnaphthalene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
2-Methylphenol	µg/L	9.3 U	9.3 U	9.3 U	9.6 U
2-Nitroaniline	µg/L	46 U	46 U	46 U	48 U
2-Nitrophenol	µg/L	9.3 U	9.3 U	9.3 U	9.6 U
3,3'-Dichlorobenzidine	µg/L	9.3 U	9.3 U	9.3 U	9.6 U
3-Nitroaniline	µg/L	46 U	46 U	46 U	48 U
4,6-Dinitro-2-methylphenol	µg/L	46 U	46 U	46 U	48 U
4-Bromophenyl phenyl ether	µg/L	9.3 U	9.3 U	9.3 U	9.6 U
4-Chloro-3-methylphenol	µg/L	9.3 U	9.3 U	9.3 U	9.6 U
4-Chloroaniline	µg/L	9.3 U	9.3 U	9.3 U	9.6 U

Table 2

Analytical Results Summary
Love Canal Annual Long Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
June - July 2015

	Sample Location:	**10210C**	**10210C**	**10215**	**10225A**
	Sample ID:	**WG-9954-070215-SG-042**	**WG-9954-070215-SG-043**	**WG-9954-070215-SG-044**	**WG-9954-062615-SG-033**
	Sample Date:	**07/02/2015**	**07/02/2015**	**07/02/2015**	**06/26/2015**
			(Duplicate)		
Parameters	**Units**				
Semi-volatile Organic Compounds (Continued)					
4-Chlorophenyl phenyl ether	µg/L	9.3 U	9.3 U	9.3 U	9.6 U
4-Methylphenol	µg/L	9.3 U	9.3 U	9.3 U	9.6 U
4-Nitroaniline	µg/L	46 U	46 U	46 U	48 U
4-Nitrophenol	µg/L	46 U	46 U	46 U	48 U
Acenaphthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Acenaphthylene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Anthracene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(a)anthracene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(a)pyrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(b)fluoranthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(g,h,i)perylene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(k)fluoranthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzoic acid	µg/L	46 U	46 U	46 U	48 U
Benzyl alcohol	µg/L	9.3 U	9.3 U	9.3 U	9.6 U
bis(2-Chloroethoxy)methane	µg/L	9.3 U	9.3 U	9.3 U	9.6 U
bis(2-Chloroethyl)ether	µg/L	9.3 U	9.3 U	9.3 U	9.6 U
bis(2-Ethylhexyl)phthalate (DEHP)	µg/L	19 U	19 U	19 U	19 U
Butyl benzylphthalate (BBP)	µg/L	9.3 U	9.3 U	9.3 U	9.6 U
Chrysene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Dibenz(a,h)anthracene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Dibenzofuran	µg/L	9.3 U	9.3 U	9.3 U	9.6 U
Diethyl phthalate	µg/L	9.3 U	9.3 U	9.3 U	3.0 J
Dimethyl phthalate	µg/L	9.3 U	9.3 U	9.3 U	9.6 U
Di-n-butylphthalate (DBP)	µg/L	9.3 U	9.3 U	9.3 U	9.6 U
Di-n-octyl phthalate (DnOP)	µg/L	9.3 U	9.3 U	9.3 U	9.6 U
Fluoranthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Fluorene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Hexachlorobenzene	µg/L	9.3 U	9.3 U	9.3 U	9.6 U
Hexachlorobutadiene	µg/L	9.3 U	9.3 U	9.3 U	9.6 U
Hexachlorocyclopentadiene	µg/L	9.3 U	9.3 U	9.3 U	9.6 U
Hexachloroethane	µg/L	9.3 U	9.3 U	9.3 U	9.6 U
Indeno(1,2,3-cd)pyrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U

Table 2

Analytical Results Summary
Love Canal Annual Long Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
June - July 2015

	Sample Location:	**10210C**	**10210C**	**10215**	**10225A**
	Sample ID:	**WG-9954-070215-SG-042**	**WG-9954-070215-SG-043**	**WG-9954-070215-SG-044**	**WG-9954-062615-SG-033**
	Sample Date:	**07/02/2015**	**07/02/2015**	**07/02/2015**	**06/26/2015**
			(Duplicate)		
Parameters	**Units**				
Semi-volatile Organic Compounds (Continued)					
Isophorone	µg/L	9.3 U	9.3 U	9.3 U	9.6 U
Naphthalene	µg/L	1.9 U	1.9 U	1.9 U	1.0 J
Nitrobenzene	µg/L	19 U	19 U	19 U	19 U
N-Nitrosodi-n-propylamine	µg/L	9.3 U	9.3 U	9.3 U	9.6 U
N-Nitrosodiphenylamine	µg/L	9.3 U	9.3 U	9.3 U	9.6 U
Pentachlorophenol	µg/L	9.3 U	9.3 U	9.3 U	9.6 U
Phenanthrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Phenol	µg/L	9.3 U	9.3 U	9.3 U	9.6 U
Pyrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
PCBs					
Aroclor-1016 (PCB-1016)	µg/L	0.42 U	0.42 U	0.42 U	0.20 U
Aroclor-1221 (PCB-1221)	µg/L	0.42 U	0.42 U	0.42 U	0.20 U
Aroclor-1232 (PCB-1232)	µg/L	0.42 U	0.42 U	0.42 U	0.20 U
Aroclor-1242 (PCB-1242)	µg/L	0.42 U	0.42 U	0.42 U	0.20 U
Aroclor-1248 (PCB-1248)	µg/L	0.42 U	0.42 U	0.42 U	0.20 U
Aroclor-1254 (PCB-1254)	µg/L	0.42 U	0.42 U	0.42 U	0.20 U
Aroclor-1260 (PCB-1260)	µg/L	0.42 U	0.42 U	0.42 U	0.20 U
Pesticides					
4,4'-DDD	µg/L	0.052 U	0.052 U	0.033 J	0.025 U
4,4'-DDE	µg/L	0.052 U	0.052 U	0.052 U	0.025 U
4,4'-DDT	µg/L	0.052 U	0.053 J	0.070	R
Aldrin	µg/L	0.052 U	0.052 U	0.052 U	0.025 U
alpha-BHC	µg/L	0.054 U	0.052 U	0.087 U	0.025 U
alpha-Chlordane	µg/L	0.052 U	0.052 U	0.052 U	0.025 U
beta-BHC	µg/L	0.052 U	0.052 U	0.052 U	R
delta-BHC	µg/L	0.052 U	0.052 U	0.061	R
Dieldrin	µg/L	0.052 U	0.052 U	0.052 U	0.025 U
Endosulfan I	µg/L	0.052 U	0.052 U	0.052 U	R
Endosulfan II	µg/L	0.052 U	0.052 U	0.052 U	0.025 U
Endosulfan sulfate	µg/L	0.052 U	0.052 U	0.052 U	R

Table 2

Analytical Results Summary
Love Canal Annual Long Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
June - July 2015

	Sample Location:	**10210C**	**10210C**	**10215**	**10225A**
	Sample ID:	**WG-9954-070215-SG-042**	**WG-9954-070215-SG-043**	**WG-9954-070215-SG-044**	**WG-9954-062615-SG-033**
	Sample Date:	**07/02/2015**	**07/02/2015**	**07/02/2015**	**06/26/2015**
			(Duplicate)		
Parameters	**Units**				
Pesticides (Continued)					
Endrin	µg/L	0.13	0.052 U	0.052 U	0.025 U
Endrin ketone	µg/L	0.052 U	0.052 U	0.052 U	0.025 U
gamma-BHC (lindane)	µg/L	0.052 U	0.052 U	0.062 U	0.025 U
gamma-Chlordane	µg/L	0.052 U	0.052 U	0.052 U	0.025 U
Heptachlor	µg/L	0.052 U	0.052 U	0.052 U	0.025 U
Heptachlor epoxide	µg/L	0.052 U	0.052 U	0.052 U	0.053
Methoxychlor	µg/L	0.10 U	0.10 U	0.10 U	0.050 U
Toxaphene	µg/L	4.2 U	4.2 U	4.2 U	2.0 U

Table 2

Analytical Results Summary
Love Canal Annual Long Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
June - July 2015

	Sample Location:	**10225B**	**10225C**	**10225C**	**10270**
	Sample ID:	**WG-9954-062615-SG-034**	**WG-9954-062415-SG-018**	**WG-9954-062415-SG-019**	**WG-9954-062515-SG-024**
	Sample Date:	**06/26/2015**	**06/24/2015**	**06/24/2015 (Duplicate)**	**06/25/2015**
Parameters	**Units**				
Volatile Organic Compounds					
1,1,1-Trichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloropropane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2-Hexanone	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	µg/L	20 U	20 UJ	20 UJ	20 U
Benzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Bromodichloromethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Bromoform	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Bromomethane (Methyl bromide)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Carbon disulfide	µg/L	2.2 J	5.0 U	5.0 U	5.0 U
Carbon tetrachloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	µg/L	5.0 U	1.9 J	2.0 J	5.0 U
Chloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform (Trichloromethane)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Chloromethane (Methyl chloride)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,2-Dichloroethene	µg/L	5.0 U	4.9 J	4.8 J	5.0 U
cis-1,3-Dichloropropene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Dibromochloromethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Styrene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Toluene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U

Table 2

Analytical Results Summary
Love Canal Annual Long Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
June - July 2015

	Sample Location:	**10225B**	**10225C**	**10225C**	**10270**
	Sample ID:	**WG-9954-062615-SG-034**	**WG-9954-062415-SG-018**	**WG-9954-062415-SG-019**	**WG-9954-062515-SG-024**
	Sample Date:	**06/26/2015**	**06/24/2015**	**06/24/2015 (Duplicate)**	**06/25/2015**
Parameters	**Units**				
Volatile Organic Compounds (Continued)					
trans-1,2-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,3-Dichloropropene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene	µg/L	5.0 U	13	15	5.0 U
Vinyl acetate	µg/L	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ
Vinyl chloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Xylenes (total)	µg/L	10 U	10 U	10 U	10 U
Semi-volatile Organic Compounds					
1,2,4-Trichlorobenzene	µg/L	9.3 U	5.1 J	6.6 J	9.3 U
1,2-Dichlorobenzene	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
1,3-Dichlorobenzene	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
1,4-Dichlorobenzene	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
2,4,5-Trichlorophenol	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
2,4,6-Trichlorophenol	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
2,4-Dichlorophenol	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
2,4-Dimethylphenol	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
2,4-Dinitrophenol	µg/L	46 U	46 U	46 U	46 U
2,4-Dinitrotoluene	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
2,6-Dinitrotoluene	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
2-Chloronaphthalene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
2-Chlorophenol	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
2-Methylnaphthalene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
2-Methylphenol	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
2-Nitroaniline	µg/L	46 U	46 U	46 U	46 U
2-Nitrophenol	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
3,3'-Dichlorobenzidine	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
3-Nitroaniline	µg/L	46 U	46 U	46 U	46 U
4,6-Dinitro-2-methylphenol	µg/L	46 U	46 U	46 U	46 U
4-Bromophenyl phenyl ether	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
4-Chloro-3-methylphenol	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
4-Chloroaniline	µg/L	9.3 U	9.3 U	9.3 U	9.3 U

Table 2

Analytical Results Summary
Love Canal Annual Long Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
June - July 2015

	Sample Location:	**10225B**	**10225C**	**10225C**	**10270**
	Sample ID:	**WG-9954-062615-SG-034**	**WG-9954-062415-SG-018**	**WG-9954-062415-SG-019**	**WG-9954-062515-SG-024**
	Sample Date:	**06/26/2015**	**06/24/2015**	**06/24/2015 (Duplicate)**	**06/25/2015**
Parameters	**Units**				
Semi-volatile Organic Compounds (Continued)					
4-Chlorophenyl phenyl ether	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
4-Methylphenol	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
4-Nitroaniline	µg/L	46 U	46 U	46 U	46 U
4-Nitrophenol	µg/L	46 U	46 U	46 U	46 U
Acenaphthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Acenaphthylene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Anthracene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(a)anthracene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(a)pyrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(b)fluoranthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(g,h,i)perylene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(k)fluoranthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzoic acid	µg/L	46 U	46 U	46 U	46 U
Benzyl alcohol	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
bis(2-Chloroethoxy)methane	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
bis(2-Chloroethyl)ether	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
bis(2-Ethylhexyl)phthalate (DEHP)	µg/L	19 U	19 U	19 U	19 U
Butyl benzylphthalate (BBP)	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
Chrysene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Dibenz(a,h)anthracene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Dibenzofuran	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
Diethyl phthalate	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
Dimethyl phthalate	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
Di-n-butylphthalate (DBP)	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
Di-n-octyl phthalate (DnOP)	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
Fluoranthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Fluorene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Hexachlorobenzene	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
Hexachlorobutadiene	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
Hexachlorocyclopentadiene	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
Hexachloroethane	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
Indeno(1,2,3-cd)pyrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U

Table 2

Analytical Results Summary
Love Canal Annual Long Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
June - July 2015

	Sample Location:	**10225B**	**10225C**	**10225C**	**10270**
	Sample ID:	**WG-9954-062615-SG-034**	**WG-9954-062415-SG-018**	**WG-9954-062415-SG-019**	**WG-9954-062515-SG-024**
	Sample Date:	**06/26/2015**	**06/24/2015**	**06/24/2015 (Duplicate)**	**06/25/2015**
Parameters	**Units**				
Semi-volatile Organic Compounds (Continued)					
Isophorone	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
Naphthalene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Nitrobenzene	µg/L	19 U	19 U	19 U	19 U
N-Nitrosodi-n-propylamine	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
N-Nitrosodiphenylamine	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
Pentachlorophenol	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
Phenanthrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Phenol	µg/L	9.3 U	9.3 U	9.3 U	9.3 U
Pyrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
PCBs					
Aroclor-1016 (PCB-1016)	µg/L	0.20 U	0.40 U	0.40 U	0.40 U
Aroclor-1221 (PCB-1221)	µg/L	0.20 U	0.40 U	0.40 U	0.40 U
Aroclor-1232 (PCB-1232)	µg/L	0.20 U	0.40 U	0.40 U	0.40 U
Aroclor-1242 (PCB-1242)	µg/L	0.20 U	0.40 U	0.40 U	0.40 U
Aroclor-1248 (PCB-1248)	µg/L	0.20 U	0.40 U	0.40 U	0.40 U
Aroclor-1254 (PCB-1254)	µg/L	0.20 U	0.40 U	0.40 U	0.40 U
Aroclor-1260 (PCB-1260)	µg/L	0.20 U	0.40 U	0.40 U	0.40 U
Pesticides					
4,4'-DDD	µg/L	0.025 U	0.050 U	0.050 U	0.050 U
4,4'-DDE	µg/L	0.025 U	0.050 U	0.050 U	0.050 U
4,4'-DDT	µg/L	0.055 NJ	0.050 U	0.050 U	0.050 U
Aldrin	µg/L	0.025 U	0.050 U	0.050 U	0.050 U
alpha-BHC	µg/L	0.025 U	0.039 J	0.047 J	0.050 U
alpha-Chlordane	µg/L	0.025 U	0.050 U	0.050 U	0.050 U
beta-BHC	µg/L	R	0.050 U	0.050 U	0.050 U
delta-BHC	µg/L	0.025 U	0.066	0.085	R
Dieldrin	µg/L	0.025 U	0.050 U	0.050 U	0.050 U
Endosulfan I	µg/L	R	0.050 U	0.050 U	0.050 U
Endosulfan II	µg/L	0.049	0.050 U	0.050 U	0.089 J
Endosulfan sulfate	µg/L	0.029	0.050 U	0.050 U	0.031 J

Table 2

Analytical Results Summary
Love Canal Annual Long Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
June - July 2015

	Sample Location:	**10225B**	**10225C**	**10225C**	**10270**
	Sample ID:	**WG-9954-062615-SG-034**	**WG-9954-062415-SG-018**	**WG-9954-062415-SG-019**	**WG-9954-062515-SG-024**
	Sample Date:	**06/26/2015**	**06/24/2015**	**06/24/2015**	**06/25/2015**
				(Duplicate)	
Parameters	**Units**				
Pesticides (Continued)					
Endrin	µg/L	R	0.050 U	0.050 U	0.050 U
Endrin ketone	µg/L	0.025 U	0.050 U	0.050 U	0.050 U
gamma-BHC (lindane)	µg/L	0.025 U	0.050 U	0.050 U	0.050 U
gamma-Chlordane	µg/L	0.019 J	0.050 U	0.050 U	0.050 U
Heptachlor	µg/L	0.025 U	0.050 U	0.050 U	0.050 U
Heptachlor epoxide	µg/L	0.025 U	0.050 U	0.050 U	0.050 U
Methoxychlor	µg/L	0.086 J	0.10 U	0.10 U	0.10 U
Toxaphene	µg/L	2.0 U	4.0 U	4.0 U	4.0 U

Table 2

Analytical Results Summary
Love Canal Annual Long Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
June - July 2015

	Sample Location:	**10272**	**10278**	**MW-01**	**MW-02**
	Sample ID:	**WG-9954-062515-SG-025**	**WG-9954-070115-SG-039**	**WG-9954-070115-SG-037**	**WG-9954-070115-SG-036**
	Sample Date:	**06/25/2015**	**07/01/2015**	**07/01/2015**	**07/01/2015**
Parameters	**Units**				
Volatile Organic Compounds					
1,1,1-Trichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloropropane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2-Hexanone	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	µg/L	20 U	20 U	20 U	20 U
Benzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Bromodichloromethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Bromoform	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Bromomethane (Methyl bromide)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Carbon disulfide	µg/L	2.9 J	5.0 U	5.0 U	5.0 U
Carbon tetrachloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Chloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform (Trichloromethane)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Chloromethane (Methyl chloride)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,2-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,3-Dichloropropene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Dibromochloromethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Styrene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Toluene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U

Table 2

Analytical Results Summary
Love Canal Annual Long Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
June - July 2015

	Sample Location:	**10272**	**10278**	**MW-01**	**MW-02**
	Sample ID:	**WG-9954-062515-SG-025**	**WG-9954-070115-SG-039**	**WG-9954-070115-SG-037**	**WG-9954-070115-SG-036**
	Sample Date:	**06/25/2015**	**07/01/2015**	**07/01/2015**	**07/01/2015**
Parameters	**Units**				
Volatile Organic Compounds (Continued)					
trans-1,2-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,3-Dichloropropene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Vinyl acetate	µg/L	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ
Vinyl chloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Xylenes (total)	µg/L	10 U	10 U	10 U	10 U
Semi-volatile Organic Compounds					
1,2,4-Trichlorobenzene	µg/L	9.3 U	9.6 U	9.3 U	9.3 U
1,2-Dichlorobenzene	µg/L	9.3 U	9.6 U	9.3 U	9.3 U
1,3-Dichlorobenzene	µg/L	9.3 U	9.6 U	9.3 U	9.3 U
1,4-Dichlorobenzene	µg/L	9.3 U	9.6 U	9.3 U	9.3 U
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	µg/L	9.3 U	9.6 U	9.3 U	9.3 U
2,4,5-Trichlorophenol	µg/L	9.3 U	9.6 U	9.3 U	9.3 U
2,4,6-Trichlorophenol	µg/L	9.3 U	9.6 U	9.3 U	9.3 U
2,4-Dichlorophenol	µg/L	9.3 U	9.6 U	9.3 U	9.3 U
2,4-Dimethylphenol	µg/L	9.3 U	9.6 U	9.3 U	9.3 U
2,4-Dinitrophenol	µg/L	46 U	48 U	46 U	46 U
2,4-Dinitrotoluene	µg/L	9.3 U	9.6 U	9.3 U	9.3 U
2,6-Dinitrotoluene	µg/L	9.3 U	9.6 U	9.3 U	9.3 U
2-Chloronaphthalene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
2-Chlorophenol	µg/L	9.3 U	9.6 U	9.3 U	9.3 U
2-Methylnaphthalene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
2-Methylphenol	µg/L	9.3 U	9.6 U	9.3 U	9.3 U
2-Nitroaniline	µg/L	46 U	48 U	46 U	46 U
2-Nitrophenol	µg/L	9.3 U	9.6 U	9.3 U	9.3 U
3,3'-Dichlorobenzidine	µg/L	9.3 U	9.6 U	9.3 U	9.3 U
3-Nitroaniline	µg/L	46 U	48 U	46 U	46 U
4,6-Dinitro-2-methylphenol	µg/L	46 U	48 U	46 U	46 U
4-Bromophenyl phenyl ether	µg/L	9.3 U	9.6 U	9.3 U	9.3 U
4-Chloro-3-methylphenol	µg/L	9.3 U	9.6 U	9.3 U	9.3 U
4-Chloroaniline	µg/L	9.3 U	9.6 U	9.3 U	9.3 U

Table 2

Analytical Results Summary
Love Canal Annual Long Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
June - July 2015

	Sample Location:	**10272**	**10278**	**MW-01**	**MW-02**
	Sample ID:	**WG-9954-062515-SG-025**	**WG-9954-070115-SG-039**	**WG-9954-070115-SG-037**	**WG-9954-070115-SG-036**
	Sample Date:	**06/25/2015**	**07/01/2015**	**07/01/2015**	**07/01/2015**
Parameters	**Units**				
Semi-volatile Organic Compounds (Continued)					
4-Chlorophenyl phenyl ether	µg/L	9.3 U	9.6 U	9.3 U	9.3 U
4-Methylphenol	µg/L	9.3 U	9.6 U	9.3 U	9.3 U
4-Nitroaniline	µg/L	46 U	48 U	46 U	46 U
4-Nitrophenol	µg/L	46 U	48 U	46 U	46 U
Acenaphthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Acenaphthylene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Anthracene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(a)anthracene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(a)pyrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(b)fluoranthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(g,h,i)perylene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(k)fluoranthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Benzoic acid	µg/L	46 U	48 U	46 U	46 U
Benzyl alcohol	µg/L	9.3 U	9.6 U	9.3 U	9.3 U
bis(2-Chloroethoxy)methane	µg/L	9.3 U	9.6 U	9.3 U	9.3 U
bis(2-Chloroethyl)ether	µg/L	9.3 U	9.6 U	9.3 U	9.3 U
bis(2-Ethylhexyl)phthalate (DEHP)	µg/L	19 U	19 U	19 U	19 U
Butyl benzylphthalate (BBP)	µg/L	9.3 U	9.6 U	9.3 U	9.3 U
Chrysene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Dibenz(a,h)anthracene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Dibenzofuran	µg/L	9.3 U	9.6 U	9.3 U	9.3 U
Diethyl phthalate	µg/L	9.3 U	9.6 U	9.3 U	9.3 U
Dimethyl phthalate	µg/L	9.3 U	9.6 U	9.3 U	9.3 U
Di-n-butylphthalate (DBP)	µg/L	9.3 U	9.6 U	9.3 U	9.3 U
Di-n-octyl phthalate (DnOP)	µg/L	9.3 U	9.6 U	9.3 U	9.3 U
Fluoranthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Fluorene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Hexachlorobenzene	µg/L	9.3 U	9.6 U	9.3 U	9.3 U
Hexachlorobutadiene	µg/L	9.3 U	9.6 U	9.3 U	9.3 U
Hexachlorocyclopentadiene	µg/L	9.3 U	9.6 U	9.3 U	9.3 U
Hexachloroethane	µg/L	9.3 U	9.6 U	9.3 U	9.3 U
Indeno(1,2,3-cd)pyrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U

Table 2

Analytical Results Summary
Love Canal Annual Long Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
June - July 2015

	Sample Location:	**10272**	**10278**	**MW-01**	**MW-02**
	Sample ID:	**WG-9954-062515-SG-025**	**WG-9954-070115-SG-039**	**WG-9954-070115-SG-037**	**WG-9954-070115-SG-036**
	Sample Date:	**06/25/2015**	**07/01/2015**	**07/01/2015**	**07/01/2015**
Parameters	**Units**				
Semi-volatile Organic Compounds (Continued)					
Isophorone	µg/L	9.3 U	9.6 U	9.3 U	9.3 U
Naphthalene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Nitrobenzene	µg/L	19 U	19 U	19 U	19 U
N-Nitrosodi-n-propylamine	µg/L	9.3 U	9.6 U	9.3 U	9.3 U
N-Nitrosodiphenylamine	µg/L	9.3 U	9.6 U	9.3 U	9.3 U
Pentachlorophenol	µg/L	9.3 U	9.6 U	9.3 U	9.3 U
Phenanthrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Phenol	µg/L	9.3 U	9.6 U	9.3 U	9.3 U
Pyrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
PCBs					
Aroclor-1016 (PCB-1016)	µg/L	0.40 U	0.21 U	0.20 U	0.20 U
Aroclor-1221 (PCB-1221)	µg/L	0.40 U	0.21 U	0.20 U	0.20 U
Aroclor-1232 (PCB-1232)	µg/L	0.40 U	0.21 U	0.20 U	0.20 U
Aroclor-1242 (PCB-1242)	µg/L	0.40 U	0.21 U	0.20 U	0.20 U
Aroclor-1248 (PCB-1248)	µg/L	0.40 U	0.21 U	0.20 U	0.20 U
Aroclor-1254 (PCB-1254)	µg/L	0.40 U	0.21 U	0.20 U	0.20 U
Aroclor-1260 (PCB-1260)	µg/L	0.40 U	0.21 U	0.20 U	0.20 U
Pesticides					
4,4'-DDD	µg/L	R	R	0.034	0.025 U
4,4'-DDE	µg/L	0.050 U	0.026 U	0.025 U	0.025 U
4,4'-DDT	µg/L	0.050 U	0.030	0.025 U	0.023 J
Aldrin	µg/L	0.050 U	0.026 U	0.025 U	0.025 U
alpha-BHC	µg/L	0.050 U	0.026 U	0.025 U	0.025 U
alpha-Chlordane	µg/L	0.050 U	0.026 U	0.025 U	0.025 U
beta-BHC	µg/L	0.050 U	R	0.025 U	0.025 U
delta-BHC	µg/L	0.050 U	0.035 J	0.042	0.025 J
Dieldrin	µg/L	0.050 U	0.026 U	0.025 U	0.025 U
Endosulfan I	µg/L	0.050 U	0.026 U	0.025 U	0.025 U
Endosulfan II	µg/L	0.050 U	0.054 J	0.025 U	0.025 U
Endosulfan sulfate	µg/L	0.050 U	R	0.025 U	0.025 U

Table 2

Analytical Results Summary
Love Canal Annual Long Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
June - July 2015

	Sample Location:	**10272**	**10278**	**MW-01**	**MW-02**
	Sample ID:	**WG-9954-062515-SG-025**	**WG-9954-070115-SG-039**	**WG-9954-070115-SG-037**	**WG-9954-070115-SG-036**
	Sample Date:	**06/25/2015**	**07/01/2015**	**07/01/2015**	**07/01/2015**
Parameters	**Units**				
Pesticides (Continued)					
Endrin	µg/L	0.050 U	R	0.025 U	0.025 U
Endrin ketone	µg/L	0.050 U	0.026 U	0.025 U	0.025 U
gamma-BHC (lindane)	µg/L	0.050 U	0.026 U	0.025 U	0.025 U
gamma-Chlordane	µg/L	0.050 U	0.026 U	0.025 U	0.025 U
Heptachlor	µg/L	0.050 U	0.026 U	0.025 U	0.025 U
Heptachlor epoxide	µg/L	0.050 U	0.026 U	0.025 U	0.025 U
Methoxychlor	µg/L	0.10 U	0.11	0.050 U	R
Toxaphene	µg/L	4.0 U	2.1 U	2.0 U	2.0 U

Notes:

J - Estimated concentration
R - Rejected
NJ - Presumptively present, estimated concentration
U - Not detected at the associated reporting limit
UJ - Not detected; associated reporting limit is estimated

Table 3

Analytical Methods
Love Canal Annual Long Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
June - July 2015

Parameter	Method	Matrix	Holding Time: Collection to Extraction (Days)	Holding Time: Collection or Extraction to Analysis (Days)
Volatile Organic Compounds (VOCs)	SW-846 8260B	Water	-	14
Semi-Volatile Organic Compounds (SVOCs)	SW-846 8270C	Water	7	40
Polychlorinated Biphenyls (PCBs)	SW-846 8082	Water	7	40
Organochlorine Pesticides	SW-846 8081A	Water	7	40

Notes:

Method References:
SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition, 1986, with subsequent revisions
- - Not applicable

Table 4

Qualified Sample Results Due to Outlying Continuing Calibration Results
Love Canal Annual Long Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
June - July 2015

Parameter	Analyte	Calibration Date	RRF	%D	Associated Sample ID	Qualified Result	Units
VOCs	Vinyl acetate	06/19/2015	-	28.3	WG-9954-061715-DJT-003	5.0 UJ	µg/L
					WG-9954-061715-DJT-001	5.0 UJ	µg/L
					WG-9954-061715-DJT-002	5.0 UJ	µg/L
VOCs	Vinyl acetate	06/30/2015	-	69.4	WG-9954-062215-DJT-004	5.0 UJ	µg/L
					WG-9954-062215-DJT-005	5.0 UJ	µg/L
					WG-9954-062215-DJT-006	5.0 UJ	µg/L
					WG-9954-062215-DJT-007	5.0 UJ	µg/L
					WG-9954-062215-DJT-008	5.0 UJ	µg/L
					WG-9954-062215-DJT-009	5.0 UJ	µg/L
					WG-9954-062315-SG-014	5.0 UJ	µg/L
					WG-9954-062315-SG-012	5.0 UJ	µg/L
					WG-9954-062315-SG-013	5.0 UJ	µg/L
					WG-9954-062315-SG-010	5.0 UJ	µg/L
					WG-9954-062315-SG-011	5.0 UJ	µg/L
VOCs	Vinyl acetate	07/01/2015	-	54.7	WG-9954-062515-SG-017	5.0 UJ	µg/L
					WG-9954-062515-SG-020	5.0 UJ	µg/L
					WG-9954-062515-SG-021	5.0 UJ	µg/L
					WG-9954-062515-SG-022	5.0 UJ	µg/L
VOCs	Vinyl acetate	07/02/2015	-	53.1	WG-9954-062415-SG-015	5.0 UJ	µg/L
					WG-9954-062515-SG-027	5.0 UJ	µg/L
					WG-9954-062515-SG-023	500 UJ	µg/L
					WG-9954-062515-SG-024	5.0 UJ	µg/L
					WG-9954-062515-SG-025	5.0 UJ	µg/L
VOCs	Vinyl acetate	07/06/2015	-	59.0	WG-9954-062415-SG-018	5.0 UJ	µg/L
					WG-9954-062415-SG-016	5.0 UJ	µg/L
					WG-9954-062415-SG-019	5.0 UJ	µg/L
VOCs	Acetone	07/06/2015	-	47.7	WG-9954-062415-SG-018	20 UJ	µg/L
					WG-9954-062415-SG-016	20 UJ	µg/L
					WG-9954-062415-SG-019	20 UJ	µg/L
VOCs	Acetone	07/07/2015	-	42.4	WG-9954-062615-SG-032	20 UJ	µg/L
VOCs	Vinyl acetate	07/08/2015	-	45.5	WG-9954-062615-SG-035	5.0 UJ	µg/L
					WG-9954-062615-SG-033	5.0 UJ	µg/L
					WG-9954-062615-SG-034	5.0 UJ	µg/L
					WG-9954-062615-SG-029	5.0 UJ	µg/L
					WG-9954-062615-SG-028	5.0 UJ	µg/L
					WG-9954-062615-SG-030	5.0 UJ	µg/L
					WG-9954-062615-SG-031	5.0 UJ	µg/L
					WG-9954-070115-SG-039	5.0 UJ	µg/L
					WG-9954-070115-SG-038	5.0 UJ	µg/L
					WG-9954-070115-SG-040	5.0 UJ	µg/L
					WG-9954-070115-SG-037	5.0 UJ	µg/L
					WG-9954-070115-SG-036	5.0 UJ	µg/L

Table 4

Qualified Sample Results Due to Outlying Continuing Calibration Results
Love Canal Annual Long Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
June - July 2015

Parameter	Analyte	Calibration Date	RRF	%D	Associated Sample ID	Qualified Result	Units
VOCs	Vinyl acetate	07/09/2015	-	49.6	WG-9954-070215-SG-041	5.0 UJ	µg/L
					WG-9954-070215-SG-042	5.0 UJ	µg/L
					WG-9954-070215-SG-043	5.0 UJ	µg/L
					WG-9954-070215-SG-044	5.0 UJ	µg/L
					WG-9954-070215-SG-045	5.0 UJ	µg/L

Notes:

VOCS - Volatile Organic Compounds
\- - Not applicable
%D - Percent Difference
RRF - Relative Response Factor
UJ - Not detected; associated reporting limit is estimated

Table 5

Qualified Sample Results Due to Outlying MS/MSD Results
Love Canal Annual Long Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
June - July 2015

Parameter	Sample ID	Analyte	MS % Recovery	MSD % Recovery	RPD (percent)	Control Limits % Recovery	Control Limits RPD	Qualified Result	Units
SVOCs	WG-9954-062415-SG-015	Benzoic acid	0	0	NC	28 - 117	25	R	µg/L
		Hexachlorocyclopentadiene	33	32	7	47 - 102	15	9.3 UJ	µg/L
		Hexachloroethane	44	44	4	46 - 106	15	9.3 UJ	µg/L
		Pentachlorophenol	38	39	1	46 - 106	15	9.3 UJ	µg/L

Notes:

MS - Matrix Spike
MSD - Matrix Spike Duplicate
RPD - Relative Percent Difference
UJ - Not detected; associated reporting limit is estimated
NC - Not Calculated
R - Rejected

Table 6

Qualified Sample Data Due to Analyte Concentrations in the Rinse Blanks
Love Canal Annual Long Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
June - July 2015

Parameter	Rinse Blank ID	Blank Date	Analyte	Blank Result	Associated Sample ID	Original Result	Qualified Result	Units
Pesticides	RB-9954-070215-SG-046	07/02/2015	alpha-BHC	0.27	WG-9954-062615-SG-035	0.021 J	0.025 U	µg/L
					WG-9954-062615-SG-032	0.013 J	0.025 U	µg/L
					WG-9954-062615-SG-029	0.072	0.072 U	µg/L
					WG-9954-062615-SG-028	0.090	0.090 U	µg/L
					WG-9954-062615-SG-030	0.035	0.035 U	µg/L
					WG-9954-062615-SG-031	0.037	0.037 U	µg/L
					WG-9954-070215-SG-042	0.054	0.054 U	µg/L
					WG-9954-070215-SG-043	0.042 J	0.052 U	µg/L
					WG-9954-070215-SG-044	0.087	0.087 U	µg/L
Pesticides	RB-9954-070215-SG-046	07/02/2015	delta-BHC	0.039 J	WG-9954-062615-SG-034	0.023 J	0.025 U	µg/L
					WG-9954-062615-SG-031	0.016 J	0.026 U	µg/L
					WG-9954-070215-SG-041	0.022 J	0.052 U	µg/L
Pesticides	RB-9954-070215-SG-046	07/02/2015	gamma-BHC	0.20	WG-9954-062615-SG-035	0.024 J	0.025 U	µg/L
					WG-9954-062615-SG-029	0.056	0.056 U	µg/L
					WG-9954-062615-SG-028	0.071	0.071 U	µg/L
					WG-9954-062615-SG-031	0.041	0.041 U	µg/L
					WG-9954-070215-SG-044	0.062	0.062 U	µg/L

Notes:

BHC - Benzene Hexachloride
U - Not detected at the associated reporting limit
J - Estimated concentration

Table 7

Tentatively Identified Compounds Summary
Love Canal Annual Long Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
June - July 2015

	Volatiles		Semi-Volatiles	
Sample ID	**Compound**	**Estimated Concentration (µg/L)**	**Compound**	**Estimated Concentration (µg/L)**
WG-9954-061715-DJT-001	Unknown	12 J	-	-
WG-9954-061715-DJT-002	Unknown	13 J	-	-
WG-9954-061715-DJT-003	1,2:3,4-Dibenzopyrene	28 J	-	-
	3,4:8,9-Dibenzopyrene	10 J	-	-
	1,2:4,5-Dibenzopyrene	22 J	-	-
	Unknown	29 J	-	-
WG-9954-062215-DJT-004	-	-	Unknown	26 J
WG-9954-062215-DJT-005	-	-	Methylene chloride	14 NJ
WG-9954-062215-DJT-006	-	-	Unknown	15 J
WG-9954-062215-DJT-008	-	-	Unknown	17 J
WG-9954-062215-DJT-009	-	-	Unknown	14 J
WG-9954-062315-SG-012	-	-	Unknown	5.1 J
WG-9954-062315-SG-013	Hexanal	12 NJ	-	-
WG-9954-062315-SG-014	-	-	Unknown	4.6 J
WG-9954-062415-SG-015	-	-	Unknown	5.3 J
WG-9954-062415-SG-016	Furan, tetrahydro-2-methyl-	19 NJ	Unknown	15 J

Table 7

Tentatively Identified Compounds Summary
Love Canal Annual Long Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
June - July 2015

	Volatiles		Semi-Volatiles	
Sample ID	**Compound**	**Estimated Concentration (µg/L)**	**Compound**	**Estimated Concentration (µg/L)**
WG-9954-062515-SG-016	-	-	Unknown	38 J
WG-9954-062415-SG-018	Unknown	13 J	Unknown	8.2 J
	Unknown Benzene Derivative	28 J	-	-
WG-9954-062415-SG-019	Unknown Benzene Derivative	44 J	-	-
WG-9954-062515-SG-020	-	-	Unknown	17 J
WG-9954-062515-SG-021	-	-	Unknown	4.9 J
WG-9954-062515-SG-023	Benzene, 1-chloro-2-methyl-	18000 NJ	Benzene, 1-chloro-2-methyl-	5500 NJ
	Benzene, 1-chloro-4-methyl-	8700 NJ	Benzene, 1-chloro-3-methyl-	3100 NJ
	Unknown Benzene Derivative	1300 J	Benzene, 1-chloro-4-(chloromethyl)-	360 NJ
	-	-	Parachlorophenol	3200 NJ
	-	-	Benzoic acid, 3-chloro-	5300 NJ
	-	-	Benzoic acid, 2-chloro-	2800 NJ
	-	-	Phenol, 3,4-dichloro-	720 NJ
	-	-	Unknown	2100 J
WG-9954-062515-SG-024	Sulfur dioxide	41 NJ	-	-
WG-9954-062515-SG-025	Unknown	34 J	Unknown	24 J
WG-9954-062515-SG-026	-	-	Unknown	14 J
WG-9954-062515-SG-027	-	-	Unknown	13 J

Table 7

Tentatively Identified Compounds Summary
Love Canal Annual Long Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
June - July 2015

	Volatiles		Semi-Volatiles	
Sample ID	**Compound**	**Estimated Concentration (µg/L)**	**Compound**	**Estimated Concentration (µg/L)**
WG-9954-062615-SG-031	Sulfur dioxide	14 NJ	-	-
WG-9954-062615-SG-032	Methanethiol	130 NJ	Unknown	3300 J
	Dimethyl sulfide	370 NJ	-	-
	Ethane, (methylthio)-	36 NJ	-	-
	Disulfide, dimethyl	7.1 NJ	-	-
	Unknown	74 J	-	-
WG-9954-062615-SG-033	Methanethiol	180 NJ	Unknown	154 J
	Dimethyl sulfide	420 NJ	-	-
	Ethane, (methylthio)-	46 NJ	-	-
	Propane, 2-(methylthio)-	6.2 NJ	-	-
	Disulfide, dimethyl	26 NJ	-	-
	Butane	10 NJ	-	-
WG-9954-062615-SG-034	Methanethiol	18 NJ	Unknown	13 J
WG-9954-062615-SG-035	Sulfur dioxide	120 NJ	Unknown	5.1 J
WG-9954-070115-SG-036	-	-	Unknown	9.5 J
WG-9954-070115-SG-040	Sulfur dioxide	50 NJ	-	-
WG-9954-070215-SG-042	Sulfur dioxide	94 NJ	-	-
WG-9954-070215-SG-043	Sulfur dioxide	120 NJ	Unknown	23 J

Table 7

Tentatively Identified Compounds Summary
Love Canal Annual Long Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
June - July 2015

	Volatiles		Semi-Volatiles	
Sample ID	**Compound**	**Estimated Concentration (µg/L)**	**Compound**	**Estimated Concentration (µg/L)**
WG-9954-070215-SG-044	Sulfur dioxide	86 NJ	-	-
WG-9954-070215-SG-045	Sulfur dioxide	96 NJ	-	-

Notes:

- - Not analyzed
NJ - Presumptively present, estimated concentration
J - Estimated concentration

Table 8

Qualified Sample Data Due to Differences in Dual Column Results
Love Canal Annual Long Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
June - July 2015

Parameter	*Sample ID*	*% D*	*Criteria (percent)*	*Analyte*	*Qualified Result*		*Units*
Pesticides	WG-9954-062515-SG-027	44	40	Methoxychlor	0.039	J	µg/L
Pesticides	WG-9954-062515-SG-023	110	40	4,4'-DDD		R	µg/L
		100		4,4'-DDE		R	µg/L
		184		Aldrin		R	µg/L
		180		Endosulfan I		R	µg/L
		51		gamma-Chlordane	1.1	J	µg/L
		118		Heptachlor		R	µg/L
		101		Heptachlor epoxide		R	µg/L
Pesticides	WG-9954-062515-SG-024	120	40	delta-BHC		R	µg/L
		91		Endosulfan II	0.089	NJ	µg/L
		89		Endosulfan sulfate	0.031	NJ	µg/L
Pesticides	WG-9954-062515-SG-025	100	40	4,4'-DDD		R	µg/L
Pesticides	WG-9954-062615-SG-035	43	40	4,4'-DDE	0.017	J	µg/L
		50		4,4'-DDT	0.037	J	µg/L
		190		beta-BHC		R	µg/L
		74		delta-BHC	0.10	J	µg/L
		92		Endosulfan II	0.037	NJ	µg/L
		124		Endosulfan sulfate		R	µg/L
		114		Methoxychlor		R	µg/L
Pesticides	WG-9954-062615-SG-032	80	40	4,4'-DDE	0.023	J	µg/L
		63		4,4'-DDT	0.078	J	µg/L
		123		delta-BHC		R	µg/L
		173		Endosulfan I		R	µg/L
		165		Endosulfan II		R	µg/L
		93		Endosulfan sulfate	0.039	NJ	µg/L
		103		Heptachlor epoxide		R	µg/L
		154		Methoxychlor		R	µg/L

Table 8

Qualified Sample Data Due to Differences in Dual Column Results
Love Canal Annual Long Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
June - July 2015

Parameter	*Sample ID*	*% D*	*Criteria (percent)*	*Analyte*	*Qualified Result*	*Units*
Pesticides	WG-9954-062615-SG-033	194	40	4,4'-DDT	R	µg/L
		198		beta-BHC	R	µg/L
		136		delta-BHC	R	µg/L
		137		Endosulfan I	R	µg/L
		180		Endosulfan sulfate	R	µg/L
Pesticides	WG-9954-062615-SG-034	89	40	4,4'-DDT	0.055 NJ	µg/L
		197		beta-BHC	R	µg/L
		171		Endosulfan I	R	µg/L
		73		Endrin	0.027 J	µg/L
		81		gamma-Chlordane	0.019 NJ	µg/L
		48		Methoxychlor	0.086 J	µg/L
Pesticides	WG-9954-062615-SG-029	71	40	4,4'-DDT	0.025 J	µg/L
		178		beta-BHC	R	µg/L
		92		delta-BHC	0.027 NJ	µg/L
Pesticides	WG-9954-062615-SG-028	195	40	beta-BHC	R	µg/L
Pesticides	WG-9954-062615-SG-030	193	40	beta-BHC	R	µg/L
		124		delta-BHC	R	µg/L
		60		Dieldrin	0.032 J	µg/L
		172		Endosulfan I	R	µg/L
		115		Endosulfan II	R	µg/L
Pesticides	WG-9954-062615-SG-031	57	40	4,4'-DDT	0.029 J	µg/L
Pesticides	WG-9954-070115-SG-039	126	40	4,4'-DDD	R	µg/L
		194		beta-BHC	R	µg/L
		59		delta-BHC	0.035 J	µg/L
		51		Endosulfan II	0.054 J	µg/L
		136		Endosulfan sulfate	R	µg/L
		130		Endrin	R	µg/L

Table 8

Qualified Sample Data Due to Differences in Dual Column Results
Love Canal Annual Long Term Monitoring Program
Glenn Springs Holdings, Inc.
Niagara Falls, New York
June - July 2015

Parameter	*Sample ID*	*% D*	*Criteria (percent)*	*Analyte*	*Qualified Result*	*Units*
Pesticides	WG-9954-070115-SG-038	76	40	4,4'-DDT	0.017 J	µg/L
Pesticides	WG-9954-070115-SG-040	46	40	delta-BHC	0.032 J	µg/L
		91		Endosulfan sulfate	0.014 NJ	µg/L
		78		Methoxychlor	0.028 J	µg/L
Pesticides	WG-9954-070115-SG-036	50	40	delta-BHC	0.025 J	µg/L
		107		Methoxychlor	R	µg/L
Pesticides	WG-9954-070215-SG-043	53	40	4,4'-DDT	0.053 J	µg/L
Pesticides	WG-9954-070215-SG-044	46	40	4,4'-DDD	0.033 J	µg/L

Notes:

%D - Percentage Difference
BHC - Benzene Hexachloride
DDD - Dichlorodiphenyldichloroethane
DDE - Dich lorodiphenyldich loroethylene
DDT - Dichlorodiphenyltrichloroethane
RPD - Relative Percent Difference
R - Rejected
NJ - Presumptively present, estimated concentration
J - Estimated concentration

Appendix G
2015 Niagara Falls Water Board Inspection Letter

NIAGARA FALLS WATER BOARD

SEMIANNUAL PLANT INSPECTION

INDUSTRIAL PRETREATMENT PROGRAM

Name and Address of SIU
Occidental Chemical Corporation
Love Canal Treatment Facility
805 – 97th Street
Niagara Falls, NY 14304

Permit Number: 44
SIC Codes: 4951
Date of Last Inspection: 1/6/2014
CATEGORICAL IU? NO
Day/Date and Time of Inspection:
Fri. January 23rd , 2015 @ 9:00AM

SIU Representative:
Darrell Crockett

Inspectors Name:
Stephen Stewart

Contact Phone No.: 998-5804

PART I FLOW RECORDING AND SAMPLING INSTRUMENTATION

a) Flow measurement instrument meets permit requirements? **YES**

b) Primary flow measurement device properly installed? **YES**

c) Type of flow measurement device -

Weir [ ]	Flume(s) [ ]	Water meter [ ]	Mag meter [**X**]

d) Does device measure flow adequately? **YES**

e) Is primary measuring device properly operated and maintained? [1960.6] **YES**

f) Are secondary instruments (recorders, integrators) properly operated and maintained? [1960.6] **YES**

g) Calibration frequency adequate? (date of last calibration): ***Quarterly – January 30th, 2014*** **YES**

PART II SAMPLE COLLECTION

a) Does permit require SIU to submit Periodic Self Monitoring Reports? [40 CFR403.12h] **YES**

b) If "yes", does the sample collection frequency and pollutant type conform with permit requirements? **YES**

c) Are the sample collection locations as described in the permit adequate for representative sample collection? [1960.6 (a)] **YES**

d) Does the method of sample collection conform with permit requirements, **Sewer Use Ordinance** and **Federal Standards**? **YES**

i) Sample **refrigerated throughout collection and storage?** **YES**

ii) Are samples properly preserved? **YES**

iii) Are samples collected using **flow proportion composite** or **grab sampling where appropriate**? [40 CFR12(b)(5)(iii)]. **YES**

iv) Sample holding times appropriate? [40 CFR136.3] **YES**

PART III LABORATORY FACILITIES

a) Is a commercial laboratory used? **YES**

i) Name of laboratory: **TestAmerica Pittsburg**
ii)
ii) Address: **301 Alpha Drive Pittsburg, PA 15238**

iii) Is laboratory State certified? **YES**

b) Does SIU perform its own analysis? **NO**

i) Is the SIU's laboratory State certified? **N/A**

ii) Are your laboratory wastes properly disposed of? **N/A**

c) Are EPA approved testing methods used? **YES**

PART IV RECORDS AND REPORTS

a)	Are monitoring records and reports retained in SIU files for **at least three years**? [1960.5 (d)(3)]	**YES**
b)	Are **all** records of sludge volume and disposal practices maintained in files? [1960.5 (d)(2)]	**YES**
c)	Have all hazardous waste discharges been reported to POTW? [40 CFR403.12(p)].	**N/A**
d)	If hazardous waste is discharged, is a waste minimization plan developed and implemented?	**N/A**
e)	Does the SIU have a valid wastewater discharge permit retained on file? [40 CFR403.8(f)(I)(iii)(A)-(E)]	**YES**
f)	Have **all** required reports been submitted on time?	**YES**
g)	Do Self Monitoring reports contain necessary information (samplers name, date & time, sample type, flow, preservation, chain of custody, results) ? [40 CFR403.8(f)(3)(vi)].	**YES**

PART V PLANT OPERATION AND MAINTENANCE

a)	Have there been any accidental discharge(s) that entered the sewer system?	**NO**
	Have they been reported to the POTW as well as other appropriate agencies? [1960.6 (d)]	**N/A**
b)	Is a spill notification procedure conspicuously posted in process areas of the plant? **Issued updated contact list 1/23/15**	**YES**
c)	Is there any evidence of spills?	**NO**
d)	Are all hazardous sludges and solids properly disposed of?	**YES**

e) Has this facility been evaluated ***OR*** re-evaluated for its' potential to experience a slug discharge? 1/23/2015 **YES**

1) Is a **Slug Control Plan** required for this facility [40 CFR403.8(f)(2)(vi)] ? **NO**

A. Has the facility **Developed** and **Implemented** a **Slug Control Plan**? **N/A**

a. The date of the plan's last update: **N/A**
b. Is the latest update on file at the NFWB? **N/A**
c. Does it contain the correct Water Board phone numbers and extensions. **N/A**

2) Has the facility experienced a slug discharge since The last inspection? **NO**

f) Have there been any significant **manufacturing** or **process** changes? [1960.5 (c)] **NO**

List**:** ***None***

Who was contacted **prior** to implementation of these changes?
N/A Date: ***N/A***

g) Describe your hazardous waste storage area(s).
Double contained in the decontamination/storage facility.

Do they meet DEC & EPA containment requirements? **YES**

Are all containers correctly labeled and time limits adhered to? **YES**

Describe your method of disposal:

Incineration as needed through Clean Harbors Inc. at their Deer Park Texas, Utah, or Arizona Facility, approximately once per quarter.

h) Regarding the blueprints that you submitted with your last permit application, **have there been any significant changes made to your process or sewer lines?** **NO**

Have revised blueprints been sent to the WWTP? **N/A**

PART VI PRETREATMENT

a) Briefly describe all required pretreatment.
Clarifier → Bag filter → Carbon treatment → WWTP

b) Are all pretreatment facilities properly maintained? **YES**

c) How many pH probes does your pH monitoring system contain? ***0***

List the frequency for calibration.
N/A

d) To your knowledge, has **anyone** discharged any un-permitted waste or waste not properly pretreated into the sewer system? [40 CFR 403.179] **NO**

e) Were WWTP personal notified? **N/A**

-- Prior to discharge to sewer? **N/A**

-- During or after discharge? **N/A**

Who? ***N/A*** Date: ***N/A*** Time: ***N/A***

SIU personal who contacted WWTP: ***N/A***

Was written notification given to the WWTP **within five (5) working days** of the start of the event? [40 CFR 403.17a] **N/A**

Sent to: ***N/A*** From: ***N/A*** Date: ***N/A***

f) List any pretreatment changes that were made in the past 12 months.
None

Who was contacted **prior** to implementation of these pretreatment changes?
N/A

PART VII COMPLIANCE AND ENFORCEMENT

a)	Has the SIU had any violations since the last inspection? List: ***None***	**NO**
b)	If numeric violations were noted by SIU, was a repeat sample collection and analysis performed within 30 days and the results submitted to the POTW [40 CFR403.12(g)] ?	**N/A**
c)	Is SIU currently on an administrative order and/or compliance schedule?	**NO**
d)	If yes, have milestone dates on schedule been met?	**N/A**
e)	Was escalating enforcement action required to achieve compliance? Describe: ***None Required***	**NO**

PART VIII RECOMMENDATIONS, REQUIREMENTS AND COMMENTS:

December 11, 2015

Mr. Darrell Crockett – Facility Manager
Occidental Chemical Corporation
Love Canal
805 – 97th Street
Niagara Falls, New York 14304

Dear Mr. Crockett:

Enclosed please find the results of the Plant Inspection that was conducted at your facility on Monday, January 23rd , 2015 @ 9:00AM

If you have any questions, I can be reached at 283-9770 ext 262.

Sincerely,

NIAGARA FALLS WATER BOARD
WASTEWATER FACILITIES

Stephen C. Stewart

Stephen C. Stewart
Senior Industrial Waste Inspector

Cc: J. Paradise → S. Stewart → **File: - I-44**
Emailed to SIU

Appendix H
2015 Test and Maintenance of Backflow Prevention Device Reports

NEW YORK STATE DEPARTMENT OF HEALTH
Bureau of Public Water Supply Protection
Empire State Plaza - Corning Tower Room 1110
Albany, NY 12237

Report on Test and Maintenance of Backflow Prevention Device

PART A

Please use a separate form for each device.

For the year 2015
☐ Initial test - *Complete entire form*
☒ Annual test - *Complete Part A only*

Public Water Supply	Account No.	County	Block	Lot
CITY OF NIAGARA FALLS		NIAGARA		

Facility Name GLEN SPRINGS
Address 805 95TH ST. NIAGARA FALLS 14304
Street City Zip

Location of Device: TREATMENT BDG. (WASHDOWN)

Device Information	Manufacturer	Type	Model	Size (in inches)	Serial Number
	WATTS	☒ RPZ ☐ DCV	009M3QT	3/4"	~~[illegible]~~ 61327

	Check Valve No. 1	Check Valve No. 2	Differential Pressure Relief Valve	Line Pressure 68 psi
Test before repair	Leaked ☒ Closed tight ☐ Pressure drop across first check valve ____ psid	Leaked ☒ Closed tight ☐	Opened at ____ psid	Date 03 23 15 (M D Y)
Describe repairs and materials used	REPLACED BACKFLOW			Repaired by Name ____ Lic # ____ Date repaired: M D Y
Final test	Closed tight ☒ Pressure drop across first check valve 6.9 psid	Closed tight ☒	Opened at 2.2 psid	Date M D Y

Water Meter Number	Meter Reading	Type of Service: (check one)
N/A	N/A	• Domestic • Fire • Other PROPRES

Remarks (Describe deficiencies: bypasses, outlets before the device, connections between the device and point of entry, missing or inadequate airgaps, etc.)

Certification: This device ☒ meets,* ☐ does NOT meet, the requirements of an acceptable containment device at the time of testing
I hereby certify the foregoing data to be correct.

Print Name	Certified Tester No.	Signature	Expiration Date
JOHN A. GOLISA	5808	[signature]	04/30/17

Property owner's (or owner's agent) certification that test was performed:

Print Name	Title	Signature	Telephone
Darrell Clarett	Technician	[signature]	716.998.5804

PART B

Certification that installation is in accordance with the approved plans. (To be completed by the design engineer or architect or water supplier.)

I hereby certify that this installation is in accordance with the approved plans.

Name	Title	Date	NYS DOH Log #
License Number	Phone ( )	m d y	

Representing
Address
City State Zip
Signature

Describe minor installation changes

NOTE: Send one completed copy to the designated health department representative and one copy to the water supplier within 30 days of the testing device. Notify owner and water supplier immediately if device fails test and repairs cannot immediately be made.

DOH- 1013(9/91)

NEW YORK STATE DEPARTMENT OF HEALTH
Bureau of Public Water Supply Protection
Empire State Plaza - Corning Tower Room 1110
Albany, NY 12237

Report on Test and Maintenance of Backflow Prevention Device

PART A

Please use a separate form for each device.

For the year 2015
☐ Initial test - *Complete entire form*
☒ Annual test - *Complete Part A only*

Public Water Supply	Account No.	County	Block	Lot
CITY OF NIAGARA FALLS		NIAGARA		

Facility Name GLENN SPRINGS
Address 805 95TH ST. NIAGARA FALLS 14304
Street City Zip

Location of Device: TREATMENT BDG.

Device Information	Manufacturer	Type	Model	Size (in inches)	Serial Number
	WATTS	☒ RPZ ☐ DCV	009M2QT	2"	179645

	Check Valve No. 1	Check Valve No. 2	Differential Pressure Relief Valve	Line Pressure 60 psi
Test before repair	Leaked ☐ Closed tight ☒ Pressure drop across first check valve 7.6 psid	Leaked ☐ Closed tight ☒	Opened at 2.4 psid	Date M D Y
Describe repairs and materials used				Repaired by Name ____ Lic # ____ Date repaired: M D Y
Final test	Closed tight ☐ Pressure drop across first check valve ____ psid	Closed tight ☐	Opened at ____ psid	Date M D Y

Water Meter Number	Meter Reading	Type of Service: (check one)
N/A	N/A	• Domestic • Fire • Other PROCESS

Remarks (Describe deficiencies: bypasses, outlets before the device, connections between the device and point of entry, missing or inadequate airgaps, etc.)

Certification: This device ☒ meets,* ☐ does NOT meet, the requirements of an acceptable containment device at the time of testing
I hereby certify the foregoing data to be correct.

Print Name	Certified Tester No.	Signature	Expiration Date
JOHN A. GOUGH	5808		04/30/17

Property owners (or owners agent) certification that test was performed:

Print Name	Title	Signature	Telephone
Darrell Cockett	Technician		716.998.5804

PART B Certification that installation is in accordance with the approved plans. (To be completed by the design engineer or architect or water supplier.)

I hereby certify that this installation is in accordence with the approved plans.

Name	Title	Date m d y	NYS DOH Log #
License Number	Phone ( )		

Representing
Address
City State Zip
Signature

Describe minor installation changes

NOTE: Send one completed copy to the designated health department representative and one copy to the water supplier within 30 days of the testing device.
Notify owner and water supplier immediately if device fails test and repairs cannot immediately be made.

DOH- 1013(9/91)

NEW YORK STATE DEPARTMENT OF HEALTH
Bureau of Public Water Supply Protection
Empire State Plaza - Corning Tower Room 1110
Albany, NY 12237

Report on Test and Maintenance of Backflow Prevention Device

PART A

Please use a separate form for each device.

For the year 2015
☐ Initial test - *Complete entire form*
☒ Annual test - *Complete Part A only*

Public Water Supply	Account No.	County	Block	Lot
CITY OF NIAGARA FALLS		NIAGARA		

Facility Name GLENN SPRINGS
Address 805 95TH ST. NIAGARA FALLS 14304
Street City Zip

Location of Device
MAINTENANCE BDG.

Device Information	Manufacturer	Type	Model	Size (in inches)	Serial Number
	WATTS	☒ RPZ ☐ DCV	009M2QT	1"	029613

	Check Valve No. 1	Check Valve No. 2	Differential Pressure Relief Valve	Line Pressure 84 psi
Test before repair	Leaked ☐ Closed tight ☒ Pressure drop across first check valve 6.9 psid	Leaked ☐ Closed tight ☒	Opened at 2.2 psid	Date 03 23 15 (M D Y)
Describe repairs and materials used				Repaired by Name ____ Lic # ____ Date repaired: ☐☐ ☐☐ ☐☐ (M D Y)
Final test	Closed tight ☐ Pressure drop across first check valve ____ psid	Closed tight ☐	Opened at ____ psid	Date ☐☐ ☐☐ ☐☐ (M D Y)

Water Meter Number	Meter Reading	Type of Service: (check one)
34592315	062130	• Domestic • Fire • Other ____

Remarks (Describe deficiencies: bypasses, outlets before the device, connections between the device and point of entry, missing or inadequate airgaps, etc.)

Certification: This device ☒ meets,• ☐ does NOT meet, the requirements of an acceptable containment device at the time of testing
I hereby certify the foregoing data to be correct.

Print Name	Certified Tester No.	Signature	Expiration Date
JOHN A. GOLBA	5808	[signature]	04/30/17

Property owner's (or owner's agent) certification that test was performed:

Print Name	Title	Signature	Telephone
Darrell Goodett	Technician	[signature]	716 998 5004

PART B Certification that installation is in accordance with the approved plans. (To be completed by the design engineer or architect or water supplier.)

I hereby certify that this installation is in accordance with the approved plans.

Name	Title	Date	NYS DOH Log #
License Number	Phone ( )	m d y	

Representing			Describe minor installation changes
Address			
City	State	Zip	
Signature ____			

NOTE: Send one completed copy to the designated health department representative and one copy to the water supplier within 30 days of the testing device. Notify owner and water supplier immediately if device fails test and repairs cannot immediately be made.

DOH- 1013(9/91)

NEW YORK STATE DEPARTMENT OF HEALTH
Bureau of Public Water Supply Protection
Empire State Plaza - Corning Tower Room 1110
Albany, NY 12237

Report on Test and Maintenance of Backflow Prevention Device

PART A

Please use a separate form for each device.

For the year 2015
☐ Initial test - *Complete entire form*
☒ Annual test - *Complete Part A only*

Public Water Supply	Account No.	County	Block	Lot
CITY OF NIAGARA FALLS		NIAGARA		

Facility Name GLENN SPRINGS
Address 805 95TH ST. NIAGARA FALLS 14304 (Street / City / Zip)

Location of Device: LOCKER ROOM

Device Information	Manufacturer	Type	Model	Size (in inches)	Serial Number
	WATTS	☒ RPZ ☐ DCV	909	1 1/2	364807

	Check Valve No. 1	Check Valve No. 2	Differential Pressure Relief Valve	Line Pressure 83 psi
Test before repair	Leaked ☐ Closed tight ☒ Pressure drop across first check valve 7.3 psid	Leaked ☐ Closed tight ☒	Opened at 2.2 psid	Date 03 23 15 (M D Y)
Describe repairs and materials used				Repaired by Name ____ Lic # ____ Date repaired: __ __ __ (M D Y)
Final test	Closed tight ☐ Pressure drop across first check valve ____ psid	Closed tight ☐	Opened at ____ psid	Date __ __ __ (M D Y)

Water Meter Number	Meter Reading	Type of Service: (check one)
31671117	010722 0	• Domestic • Fire • Other ____

Remarks (Describe deficiencies: bypasses, outlets before the device, connections between the device and point of entry, missing or inadequate airgaps, etc.)

Certification: This device ☒ meets,* ☐ does NOT meet, the requirements of an acceptable containment device at the time of testing
I hereby certify the foregoing data to be correct

Print Name	Certified Tester No.	Signature	Expiration Date
JOHN A. GULBA	5808	[signature]	04/30/17

Property owner's (or owner's agent) certification that test was performed:

Print Name	Title	Signature	Telephone
Darrell Crockett	Technician	[signature]	978 5804

PART B

Certification that installation is in accordance with the approved plans. (To be completed by the design engineer or architect or water supplier.)

I hereby certify that this installation is in accordance with the approved plans.

Name	Title	Date (m d y)	NYS DOH Log #
License Number	Phone ( )		

Representing
Address
City | State | Zip
Signature ____

Describe minor installation changes

NOTE: Send one completed copy to the designated health department representative and one copy to the water supplier within 30 days of the testing device. Notify owner and water supplier immediately if device fails test and repairs cannot immediately be made.

DOH- 1013(9/91)

NEW YORK STATE DEPARTMENT OF HEALTH
Bureau of Public Water Supply Protection
Empire State Plaza - Corning Tower Room 1110
Albany, NY 12237

Report on Test and Maintenance of Backflow Prevention Device

PART A

Please use a separate form for each device.

For the year 2015
☐ Initial test - *Complete entire form*
☒ Annual test - *Complete Part A only*

Public Water Supply	Account No.	County	Block	Lot
CITY OF NIAGARA FALLS		NIAGARA		

Facility Name GLENN SPRINGS
Address 805 95TH ST. NIAGARA FALLS 14304
Street City Zip

Location of Device: TREATMENT BDG. (MECH. ROOM)

Device Information	Manufacturer	Type	Model	Size (in inches)	Serial Number
	WATTS	☒ RPZ ☐ DCV	909	3"	192775

	Check Valve No. 1	Check Valve No. 2	Differential Pressure Relief Valve	Line Pressure 84 psi
Test before repair	Leaked ☐ Closed tight ☒ Pressure drop across first check valve 7.2 psid	Leaked ☐ Closed tight ☒	Opened at 2.2 psid	Date 03 23 15 (M D Y)
Describe repairs and materials used				Repaired by Name ____ Lic # ____ Date repaired: M D Y
Final test	Closed tight ☐ Pressure drop across first check valve ____ psid	Closed tight ☐	Opened at ____ psid	Date M D Y

Water Meter Number	Meter Reading	Type of Service: (check one)
31923329	509241 016952 (R)	• Domestic • Fire • Other ____

Remarks (Describe deficiencies: bypasses, outlets before the device, connections between the device and point of entry, missing or inadequate airgaps, etc.)

Certification: This device ☒ meets,* ☐ does NOT meet, the requirements of an acceptable containment device at the time of testing
I hereby certify the foregoing data to be correct.

Print Name	Certified Tester No.	Signature	Expiration Date
JOHN A. GOLBA	5808		04,30,17

Property owner's (or owner's agent) certification that test was performed:

Print Name	Title	Signature	Telephone
Darrell Gaskett	Technician		716.998.5804

PART B Certification that installation is in accordance with the approved plans. (To be completed by the design engineer or architect or water supplier.)

I hereby certify that this installation is in accordance with the approved plans.

Name	Title	Date	NYS DOH Log #
License Number	Phone ( )	m d y	

Representing
Address
City State Zip
Signature

Describe minor installation changes

NOTE: Send one completed copy to the designated health department representative and one copy to the water supplier within 30 days of the testing device.
Notify owner and water supplier immediately if device fails test and repairs cannot immediately be made.

DOH- 1013(9/91)