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SURFACE SOIL SAMPLING AND ANALYSIS REPORT

GM COMPONENTS HOLDINGS, LLC

Registry Site No. 932138

Lockport, New York

September 2016

File No. 21.0056546.20



PREPARED FOR:

New York State Department of Environmental
Conservation

By

GZA GeoEnvironmental of New York

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VIA EMAIL

September 27, 2016
File No: 21.0056546.20

Mr. Glenn May, CPG
New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 9
270 Michigan Ave.
Buffalo, NY 14203-2915

RE: Results of the August 2016 Surface Soil Sampling
GM Components Holding. LLC
Lockport, New York
Registry Site No. 932138

Dear Glenn:

On behalf of General Motors Components Holdings, LLC (GMCH), GZA GeoEnvironmental of New York (GZA) is pleased to provide the attached Results of the August 2016 Surface Soil Sampling at the GMCH Brownfield Cleanup Program (BCP) Site, number C932138, in Lockport, New York.

We hope this report satisfies your present needs. If you have any questions pertaining to this work, please contact Jim Richert at 716-844-7048

Sincerely,

GZA GEOENVIRONMENTAL OF NEW YORK

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Project Geologist

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Project Manager

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Principal



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1.0 INTRODUCTION AND BACKGROUND

On behalf of General Motors Components Holdings (GMCH) LLC, GZA GeoEnvironmental of New York (GZA) provides this Surface Soil Sampling and Analysis Report for the GMCH Brownfield Cleanup Program (BCP) Site (Site number C932138) in Lockport, New York. This report summarizes the sampling methods and results of the Surface Soil Sampling effort that was conducted on August 17 and 18, 2016. The sampling was performed as required by NYSDEC as specified in the June 14, 2016 Decision Document (DD). The sampling and analyses were performed in accordance with the Department-approved Revised Surface Soil Sampling and Analysis Work Plan, dated August 11, 2016.

2.0 AUGUST 2016 SURFACE SOIL SAMPLING AND ANALYSIS

Scope of Work:

The objective of the sampling program was to characterize the upper one foot of soil at the various unpaved areas of the BCP Site to determine if its composition is acceptable for use as a cover soil. Fifteen non-paved areas were identified large enough to warrant sampling (Figure 1). Representative four-point composite samples were collected from each area. A total of 23 field composite samples were collected from the 15 areas (Figure 1). Samples were collected of the surface soil from the full vertical depth of 1.0 foot below ground surface (bgs), beginning directly below the vegetative cover and continuing downward 1.0 foot bgs. Samples were submitted for the following laboratory analyses:

- Pesticides (EPA Method 8081B);
- Semi-volatile Organic Compounds (EPA Method 8270D);
- Polychlorinated biphenyls (PCBs) (EPA Method 8082A);
- 13 Priority Pollutant Metals:

The following 12 metals by EPA Method 6010C

- Antimony
- Arsenic
- Beryllium
- Cadmium
- Chromium
- Copper
- Lead
- Nickel
- Selenium
- Silver
- Thallium
- Zinc; and
- Mercury (by EPA Method 7471B)

Sample results were compared to the Soil Cleanup Objectives (SCOs) as provided in 6NYCRR Part 375 Table 375-6.8B



Sampling Methodology

A flat bladed shovel was used to remove the grass/sod layer present at each sample point. The soil samples were collected using a three-inch diameter stainless steel hand-auger to extract soil from the upper one-foot at each sample point. An organic vapor meter (OVM) equipped with a photoionization detector (PID) with a 10.6 electron volt lamp was used to screen for total volatile organic compounds (VOCs) emitted from the extracted soil. The extracted soil was characterized for composition. Appendix A contains the surface soil sample characterization logs. A representative volume of soil from each location was placed into a stainless steel mixing bowl along with the other three soil samples from a given four-point composite sample. Once all four soil samples were added to the mixing bowl, the selected soil was homogenized using a stainless steel mixing spoon. Once homogenization was visually determined to be complete, the sample containers were filled using the mixing spoon. Soil samples were placed into new and labelled sample containers supplied by the analytical laboratory and placed in a cooler with ice to chill the samples to a maximum temperature of 4° C. None of the samples yielded air monitoring concentrations of total volatile organic compounds (VOCs) above background levels, thus no grab soil samples were collected for analysis of VOCs. After sampling was completed at each location, the remaining soil was returned to the same group of four soil core holes from which it was extracted. If additional material was needed to fully backfill the sample core holes, bentonite powder was used to complete the backfilling process. Where grass sod was removed prior to auguring, the sod was replaced as the final step of the backfilling process.

Decontamination Procedure:

The hand auger, shovel, metal mixing bowl, and mixing spoons were decontaminated between each four-point composite location following the following sequence:

1. Brush off loose soil;
2. Wash with soapy water mixture of tap water and a laboratory grade detergent (Alconox);
3. triple rinse with tap water;
4. rinse with diluted nitric acid;
5. rinse with distilled water;
6. air dry prior to reuse.

Decontamination steps involving fluids were performed over 5-gallon bucket(s) to containerize the fluid waste. Approximately 20 gallons of decontamination fluid waste was generated and brought to the GMCH concrete paved decontamination pad for proper disposal by GMCH.

3.0 ANALYTICAL RESULTS

Several metals, pesticides, and one PCB were detected in one or more of the surface soil samples, none of which exceeded unrestricted use SCO concentrations.

Several SVOCs were detected in one or more of the samples, most of which were at concentrations below unrestricted use SCOs. Two SVOCs (Benzo-a-pyrene and Dibenz(a,h)anthracene) were present at concentrations greater than the restricted commercial SCO. One of these two SVOCs (Benzo-a-pyrene) also exceeded the SCO for restricted industrial use at four of the 23 sampled locations.



These two SVOCs are polycyclic aromatic hydrocarbons (PAHs). PAHs are commonly present at elevated concentrations in urban settings. Combustion processes are a major source of PAHs, often resulting in elevated concentrations near railroads, roads, and asphalt pavement. Although one of the detected PAHs is present at concentrations above the industrial SCO at four of the 23 locations sampled, its presence may be attributable to anthropogenic fill composition and is not likely indicative of a site-generated release or a contaminant source requiring mitigation.

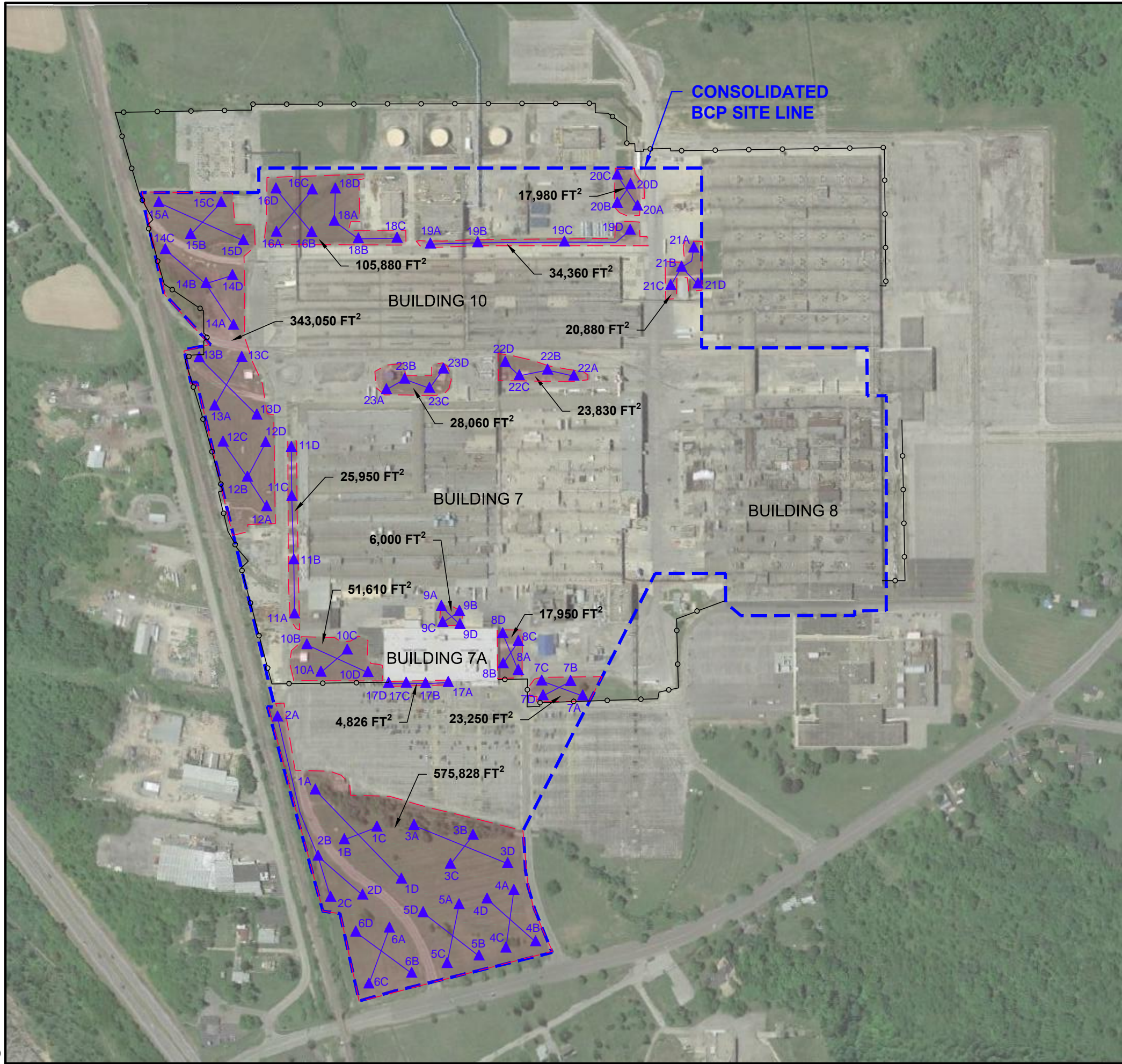
A summary of analytical results is provided in Table 1 and the analytical data reports provided by the laboratory are provided in Appendix B.



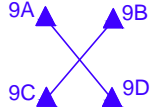
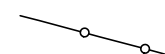
TABLES



FIGURES


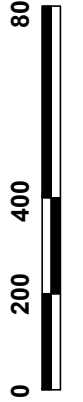


LEGEND:

- 
APPROXIMATE LOCATION AND DESIGNATION OF FOUR-POINT COMPOSITE SURFACE SOIL SAMPLE
- 
APPROXIMATE LOCATION OF FENCE LINE

NOTES:

1. BASE MAP ADAPTED FROM A 2015 AERIAL PHOTOGRAPH DOWNLOADED FROM GOOGLE EARTH PRO AND SITE OBSERVATIONS.
2. THE SIZE AND LOCATION OF EXISTING SITE FEATURES SHOULD BE CONSIDERED APPROXIMATE.

<p>DRAWN BY: DEW DATE: SEPTEMBER 2016</p>	 <p>GZA GeoEnvironmental of New York</p>
<p>APPROXIMATE SCALE IN FEET</p> 	
<p>GM COMPONENTS HOLDINGS, LLC LOCKPORT FACILITY 200 UPPER MOUNTAIN ROAD, LOCKPORT, NEW YORK</p>	
<p>GREEN SPACE SAMPLING PLAN</p>	
<p>PROJECT No. 21.0056546.00</p>	
<p>FIGURE No. 1</p>	



APPENDIX A

SURFACE SOIL SAMPLING OBSERVATION LOG

GM Lockport
August 2016 Surface Soil Characterization Sampling
Sample Observation Log

Sample Identification		Description	PID Screening Result (ppm)	Date	Time	Notes	QA/QC SAMPLES (See Note 1)
Sample 1	A	Topsoil, little Gravel, moist.	0	8/17/2016	1010		
	B	Topsoil, little Gravel, moist.	0	8/17/2016	1020		
	C	Topsoil, little Gravel, moist.	0	8/17/2016	1030		
	D	Topsoil, little Gravel, moist.	0	8/17/2016	1040		
Sample 2	A	Topsoil (3-inches), fine to coarse Gravel, some Sand, moist.	0	8/17/2016	1050		MS/MSD
	B	Topsoil, little Gravel, trace Asphalt/Slag, moist.	0	8/17/2016	1100	Removed visible Asphalt/Slag.	
	C	Topsoil, Little Gravel, moist.	0	8/17/2016	1110		
	D	Topsoil, Little Gravel, moist.	0	8/17/2016	1120		
Sample 3	A	Topsoil, little Gravel, moist.	0	8/17/2016	1125		SS-Dup-1
	B	Topsoil, little Gravel, moist.	0	8/17/2016	1130		
	C	Topsoil, little Gravel, moist.	0	8/17/2016	1140		
	D	Topsoil, little Gravel, moist.	0	8/17/2016	1150		
Sample 4	A	Topsoil, little Gravel, moist.	0	8/17/2016	1215		
	B	Topsoil, little Gravel, moist.	0	8/17/2016	1220		
	C	Topsoil, little Gravel, moist.	0	8/17/2016	1225		
	D	Topsoil, little Gravel, moist.	0	8/17/2016	1230		
Sample 5	A	Topsoil, little Gravel, moist.	0	8/17/2016	1235		
	B	Topsoil, little Gravel, moist.	0	8/17/2016	1240		
	C	Topsoil, little Gravel, moist.	0	8/17/2016	1245		
	D	Topsoil, little Gravel, moist.	0	8/17/2016	1250		
Sample 6	A	Topsoil, little Gravel, moist.	0	8/17/2016	1255		
	B	Topsoil, little Gravel, moist.	0	8/17/2016	1300		
	C	Topsoil, little Gravel, trace Brick, moist.	0	8/17/2016	1305		
	D	Topsoil, little Gravel, moist.	0	8/17/2016	1310		
Sample 7	A	Topsoil, little Gravel, moist.	0	8/17/2016	1400		
	B	Topsoil, little Gravel, moist.	0	8/17/2016	1405		
	C	Topsoil, little Gravel, moist.	0	8/17/2016	1410		
	D	Topsoil, little Gravel, moist.	0	8/17/2016	1415		
Sample 8	A	Topsoil, little Gravel, moist.	0	8/17/2016	1420		
	B	Topsoil, little Gravel, moist.	0	8/17/2016	1425		
	C	Topsoil, little Gravel, moist.	0	8/17/2016	1430		
	D	Topsoil, little Gravel, moist.	0	8/17/2016	1435		
Sample 9	A	Topsoil, little Gravel, moist.	0	8/17/2016	1440		
	B	Topsoil, little Gravel, trace Glass, moist.	0	8/17/2016	1445		
	C	Topsoil, little Gravel, moist.	0	8/17/2016	1450		
	D	Topsoil, little Gravel, moist.	0	8/17/2016	1500		
Sample 10	A	Topsoil, little Gravel, trace Asphalt, moist.	0	8/17/2016	1503	Removed visible Asphalt.	
	B	Topsoil, little Gravel, trace Asphalt, moist.	0	8/17/2016	1506	Removed visible Asphalt.	
	C	Topsoil, little Gravel, moist.	0	8/17/2016	1510		
	D	Topsoil, little Gravel, moist.	0	8/17/2016	1515		

GM Lockport
August 2016 Surface Soil Characterization Sampling
Sample Observation Log

Sample Identification		Description	PID Screening Result	Date	Time	Notes
Sample 11	A	Topsoil, little Gravel, some Asphalt, moist.	0	8/17/2016	1518	Removed visible Asphalt.
	B	Topsoil, little Gravel, moist.	0	8/17/2016	1520	
	C	Topsoil, little Gravel, moist.	0	8/17/2016	1524	
	D	Topsoil, little Gravel, moist.	0	8/17/2016	1530	
Sample 12	A	Topsoil, little Gravel, moist.	0	8/17/2016	1535	
	B	Topsoil, little Gravel, moist.	0	8/17/2016	1540	
	C	Topsoil, little Gravel, moist.	0	8/17/2016	1545	
	D	Topsoil, little Gravel, moist.	0	8/17/2016	1550	
Sample 13	A	Topsoil, little Gravel, moist.	0	8/17/2016	1553	
	B	Topsoil, little Gravel, moist.	0	8/17/2016	1555	
	C	Topsoil, little Gravel, moist.	0	8/17/2016	1600	
	D	Topsoil, little Gravel, moist.	0	8/17/2016	1605	
Sample 14	A	Topsoil, little Gravel, moist.	0	8/17/2016	1610	
	B	Topsoil, little Gravel, moist.	0	8/17/2016	1615	
	C	Topsoil, little Gravel, moist.	0	8/17/2016	1620	
	D	Topsoil, little Gravel, moist.	0	8/17/2016	1630	
Sample 15	A	Topsoil, little Gravel, moist.	0	8/17/2016	1635	
	B	Topsoil, little Gravel, moist.	0	8/17/2016	1640	
	C	Topsoil, little Gravel, moist.	0	8/17/2016	1645	
	D	Topsoil, little Gravel, moist.	0	8/17/2016	1650	
Sample 16	A	Topsoil, little Gravel, moist.	0	8/17/2016	1655	
	B	Topsoil, little Gravel, moist.	0	8/17/2016	1700	
	C	Topsoil, little Gravel, moist.	0	8/17/2016	1705	
	D	Topsoil, little Gravel, moist.	0	8/17/2016	1710	
Sample 17	A	Topsoil, little Gravel, moist.	0	8/18/2016	0840	
	B	Topsoil, little Gravel, moist.	0	8/18/2016	0850	
	C	Topsoil, little Gravel, moist.	0	8/18/2016	0855	
	D	Topsoil, little Gravel, moist.	0	8/18/2016	0900	
Sample 18	A	Topsoil, little Gravel, moist.	0	8/18/2016	0920	
	B	Gravel, some Sand, little Topsoil, moist.	0	8/18/2016	0925	
	C	Gravel, some Sand, little Topsoil, moist.	0	8/18/2016	0930	Herbicide spray area proximate (~ 10' west of location).
	D	Topsoil, little Gravel, moist.	0	8/18/2016	0940	
Sample 19	A	Gravel, some Sand, little Topsoil, little Clay, moist.	0	8/18/2016	0945	
	B	Gravel, some Sand, little Topsoil, little Clay, moist.	0	8/18/2016	0950	
	C	Gravel, some Sand, little Topsoil, little Clay, moist.	0	8/18/2016	0955	
	D	Gravel, some Sand, little Topsoil, little Clay, moist.	0	8/18/2016	1000	
Sample 20	A	Topsoil, little Gravel, little Clay, moist.	0	8/18/2016	1005	
	B	Brown Silty Clay, little Topsoil, little Gravel, moist.	0	8/18/2016	1010	
	C	Topsoil, little Gravel, moist.	0	8/18/2016	1015	
	D	Topsoil, little Gravel, moist.	0	8/18/2016	1020	

**GM Lockport
August 2016 Surface Soil Characterization Sampling
Sample Observation Log**

Sample Identification		Description	PID Screening Result	Date	Time	Notes	
Sample 21	A	Brown Silty Clay, little Topsoil, little Gravel, trace Brick, moist.	0	8/18/2016	1025		MS/MSD
	B	Brown Silty Clay, little Topsoil, little Gravel, trace Brick, moist.	0	8/18/2016	1030		
	C	Topsoil, little Gravel, moist.	0	8/18/2016	1035		
	D	Topsoil, little Gravel, moist.	0	8/18/2016	1040		
Sample 22	A	Topsoil, little Gravel, moist.	0	8/18/2016	1055		SS-Dup-2
	B	Topsoil, little Gravel, moist.	0	8/18/2016	1100		
	C	Topsoil, little Gravel, moist.	0	8/18/2016	1105		
	D	Topsoil, little Gravel, trace Metal, moist.	0	8/18/2016	1115		
Sample 23	A	Topsoil, little Gravel, moist.	0	8/18/2016	1120		
	B	Topsoil, little Gravel, moist.	0	8/18/2016	1130		
	C	Topsoil, little Gravel, moist.	0	8/18/2016	1135		
	D	Topsoil, little Gravel, moist.	0	8/18/2016	1145		

Note 1: QA/QC samples selected in the field by sampling crew.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-104754-1

Client Project/Site: 058507, GM-Lockport Soil Sampling

For:

GHD Services Inc.

2055 Niagara Falls Blvd., Suite 3

Niagara Falls, New York 14304

Attn: Kathleen Willy



Authorized for release by:

8/29/2016 11:30:54 AM

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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

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Definitions/Glossary

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

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.

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
*	LCS or LCSD is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
F1	MS and/or MSD Recovery is outside acceptance limits.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	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/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Job ID: 480-104754-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-104754-1

Receipt

The samples were received on 8/18/2016 2:45 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 2.1° C and 3.6° C.

GC/MS Semi VOA

Method(s) 8270D: The following samples were diluted due to color and, viscosity: SS-1-081716 (480-104754-1), SS-3-081716 (480-104754-3), SS-DUP1-081716 (480-104754-4), SS-4-081716 (480-104754-5), SS-7-081716 (480-104754-8), SS-8-081716 (480-104754-9), SS-9-081716 (480-104754-10), SS-10-081716 (480-104754-11) and SS-11-081716 (480-104754-12). Elevated reporting limits (RL) are provided.

Method(s) 8270D: The following samples were diluted due to the nature of the sample matrix: SS-1-081716 (480-104754-1), SS-7-081716 (480-104754-8) and SS-10-081716 (480-104754-11). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

Method(s) 8270D: The following sample was diluted to bring the concentration of target analytes within the calibration range: SS-DUP2-081816 (480-104754-24). Elevated reporting limits (RLs) are provided.

Method(s) 8270D: The following samples were diluted due to color, appearance, and viscosity: SS-14-081716 (480-104754-15), SS-15-081716 (480-104754-16), SS-16-081816 (480-104754-17), SS-17-081816 (480-104754-18), SS-18-081816 (480-104754-19), SS-19-081816 (480-104754-20), SS-20-081816 (480-104754-21), SS-21-081816 (480-104754-22), SS-21-081816 (480-104754-22[MS]), SS-21-081816 (480-104754-22[MSD]), SS-22-081816 (480-104754-23) and SS-23-081816 (480-104754-25). Elevated reporting limits (RL) are provided.

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

GC Semi VOA

Method(s) 8081B: For method 8081, the recovery of the one surrogate in samples SS-1-081716 (480-104754-1), SS-2-081716 (480-104754-2), SS-2-081716 (480-104754-2[MS]), SS-2-081716 (480-104754-2[MSD]), SS-DUP1-081716 (480-104754-4), SS-4-081716 (480-104754-5), SS-6-081716 (480-104754-7), SS-8-081716 (480-104754-9), SS-10-081716 (480-104754-11), SS-11-081716 (480-104754-12), SS-12-081716 (480-104754-13) and SS-13-081716 (480-104754-14) exceeds quality control limits due to the sample matrix. The recovery of the secondary surrogate is within quality control criteria; no corrective action is required.

Method(s) 8081B: The following sample was diluted due to the nature of the sample matrix: SS-7-081716 (480-104754-8). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

Method(s) 8081B: The matrix spike / matrix spike duplicate / sample duplicate (MS/MSD/DUP) precision for preparation batch 480-317014 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision was within acceptance limits: SS-2-081716 (480-104754-2).

Method(s) 8081B: The following samples were diluted due to the nature of the sample matrix in prep batch 317236: SS-21-081816 (480-104754-22[MS]) and SS-21-081816 (480-104754-22[MSD]). As such, surrogate and spike recoveries are below the calibration range, estimated and not representative. Elevated reporting limits (RLs) are provided.

Method(s) 8081B: The following samples were diluted due to the nature of the sample matrix: SS-15-081716 (480-104754-16), SS-17-081816 (480-104754-18) and SS-21-081816 (480-104754-22). As such, surrogate recoveries are below the calibration range, estimated and not representative. Elevated reporting limits (RLs) are provided.

Method(s) 8081B: The following samples were diluted due to the nature of the sample matrix: SS-19-081816 (480-104754-20), SS-20-081816 (480-104754-21), SS-22-081816 (480-104754-23), SS-DUP2-081816 (480-104754-24) and SS-23-081816 (480-104754-25). Elevated reporting limits (RLs) are provided.

Method(s) 8082A: The CCVIS associated with batch 480-317359 was slightly high and outside %D criteria for the surrogate

Case Narrative

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Job ID: 480-104754-1 (Continued)

Laboratory: TestAmerica Buffalo (Continued)

Tetrachloro-m-xylene. The samples and prep batch quality control associated with CCVIS 480-317359/4 all had Tetrachloro-m-xylene recoveries well within acceptance range; therefore, no further corrective action is needed. Associated samples include SS-18-081816 (480-104754-19), SS-19-081816 (480-104754-20), SS-20-081816 (480-104754-21), SS-21-081816 (480-104754-22), SS-21-081816 (480-104754-22[MS]), SS-21-081816 (480-104754-22[MSD]), SS-22-081816 (480-104754-23), SS-DUP2-081816 (480-104754-24) and SS-23-081816 (480-104754-25).

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

Metals

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

Organic Prep

Method(s) 3550C: The following samples required a Florisil clean-up, via EPA Method 3620C, to reduce matrix interferences: SS-1-081716 (480-104754-1), SS-2-081716 (480-104754-2), SS-2-081716 (480-104754-2[MS]), SS-2-081716 (480-104754-2[MSD]), SS-3-081716 (480-104754-3), SS-DUP1-081716 (480-104754-4), SS-4-081716 (480-104754-5), SS-5-081716 (480-104754-6), SS-6-081716 (480-104754-7), SS-7-081716 (480-104754-8), SS-8-081716 (480-104754-9), SS-9-081716 (480-104754-10), SS-10-081716 (480-104754-11), SS-11-081716 (480-104754-12), SS-12-081716 (480-104754-13), SS-13-081716 (480-104754-14), SS-14-081716 (480-104754-15), SS-15-081716 (480-104754-16), SS-16-081816 (480-104754-17), SS-17-081816 (480-104754-18) and SS-18-081816 (480-104754-19).

Method(s) 3550C: The following samples required a Florisil clean-up, via EPA Method 3620C, to reduce matrix interferences: SS-19-081816 (480-104754-20), SS-20-081816 (480-104754-21), SS-21-081816 (480-104754-22), SS-21-081816 (480-104754-22[MS]), SS-21-081816 (480-104754-22[MSD]), SS-22-081816 (480-104754-23), SS-DUP2-081816 (480-104754-24) and SS-23-081816 (480-104754-25).

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

Detection Summary

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Client Sample ID: SS-1-081716

Lab Sample ID: 480-104754-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	780	J	3800	560	ug/Kg	20	☼	8270D	Total/NA
Anthracene	1600	J	3800	930	ug/Kg	20	☼	8270D	Total/NA
Benzo[a]anthracene	4900		3800	380	ug/Kg	20	☼	8270D	Total/NA
Benzo[a]pyrene	4100		3800	560	ug/Kg	20	☼	8270D	Total/NA
Benzo[b]fluoranthene	5200		3800	600	ug/Kg	20	☼	8270D	Total/NA
Benzo[g,h,i]perylene	3200	J	3800	400	ug/Kg	20	☼	8270D	Total/NA
Benzo[k]fluoranthene	3000	J	3800	490	ug/Kg	20	☼	8270D	Total/NA
Chrysene	5200		3800	840	ug/Kg	20	☼	8270D	Total/NA
Dibenz(a,h)anthracene	930	J	3800	670	ug/Kg	20	☼	8270D	Total/NA
Fluoranthene	11000		3800	400	ug/Kg	20	☼	8270D	Total/NA
Fluorene	590	J	3800	440	ug/Kg	20	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	3400	J	3800	470	ug/Kg	20	☼	8270D	Total/NA
Phenanthrene	6500		3800	560	ug/Kg	20	☼	8270D	Total/NA
Pyrene	8600		3800	440	ug/Kg	20	☼	8270D	Total/NA
4,4'-DDT	4.6		3.7	0.86	ug/Kg	2	☼	8081B	Total/NA
Aldrin	3.2	J	3.7	0.91	ug/Kg	2	☼	8081B	Total/NA
alpha-BHC	1.3	J	3.7	0.66	ug/Kg	2	☼	8081B	Total/NA
alpha-Chlordane	4.0		3.7	1.8	ug/Kg	2	☼	8081B	Total/NA
Dieldrin	14	*	3.7	0.89	ug/Kg	2	☼	8081B	Total/NA
Arsenic	4.9		2.3	0.46	mg/Kg	1	☼	6010C	Total/NA
Beryllium	0.64		0.23	0.033	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.53		0.23	0.035	mg/Kg	1	☼	6010C	Total/NA
Chromium	22.0		0.58	0.23	mg/Kg	1	☼	6010C	Total/NA
Copper	167		1.2	0.24	mg/Kg	1	☼	6010C	Total/NA
Lead	366		1.2	0.28	mg/Kg	1	☼	6010C	Total/NA
Nickel	26.5		5.8	0.27	mg/Kg	1	☼	6010C	Total/NA
Silver	0.72		0.70	0.23	mg/Kg	1	☼	6010C	Total/NA
Zinc	316	B	2.3	0.74	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.15		0.021	0.0085	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SS-2-081716

Lab Sample ID: 480-104754-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	36	J	190	28	ug/Kg	1	☼	8270D	Total/NA
Acenaphthylene	71	J	190	24	ug/Kg	1	☼	8270D	Total/NA
Anthracene	110	J	190	46	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	450		190	19	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	480		190	28	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	720		190	30	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	430		190	20	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	280		190	24	ug/Kg	1	☼	8270D	Total/NA
Chrysene	550		190	42	ug/Kg	1	☼	8270D	Total/NA
Dibenz(a,h)anthracene	110	J	190	33	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	1000		190	20	ug/Kg	1	☼	8270D	Total/NA
Fluorene	42	J	190	22	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	410		190	23	ug/Kg	1	☼	8270D	Total/NA
Naphthalene	36	J	190	24	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	540		190	28	ug/Kg	1	☼	8270D	Total/NA
Pyrene	830		190	22	ug/Kg	1	☼	8270D	Total/NA
4,4'-DDE	2.2	J F2	3.7	0.77	ug/Kg	2	☼	8081B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: GHD Services Inc.
 Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Client Sample ID: SS-2-081716 (Continued)

Lab Sample ID: 480-104754-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDT	2.1	J	3.7	0.86	ug/Kg	2	☼	8081B	Total/NA
Dieldrin	3.5	J	3.7	0.88	ug/Kg	2	☼	8081B	Total/NA
Arsenic	10.0		2.1	0.41	mg/Kg	1	☼	6010C	Total/NA
Beryllium	0.54		0.21	0.029	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.96		0.21	0.031	mg/Kg	1	☼	6010C	Total/NA
Chromium	15.1		0.51	0.21	mg/Kg	1	☼	6010C	Total/NA
Copper	34.3		1.0	0.22	mg/Kg	1	☼	6010C	Total/NA
Lead	99.8		1.0	0.25	mg/Kg	1	☼	6010C	Total/NA
Nickel	18.9		5.1	0.24	mg/Kg	1	☼	6010C	Total/NA
Silver	0.31	J	0.62	0.21	mg/Kg	1	☼	6010C	Total/NA
Zinc	287	B	2.1	0.66	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.059	F1	0.021	0.0087	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SS-3-081716

Lab Sample ID: 480-104754-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Anthracene	290	J	940	230	ug/Kg	5	☼	8270D	Total/NA
Benzo[a]anthracene	1200		940	94	ug/Kg	5	☼	8270D	Total/NA
Benzo[a]pyrene	1100		940	140	ug/Kg	5	☼	8270D	Total/NA
Benzo[b]fluoranthene	1300		940	150	ug/Kg	5	☼	8270D	Total/NA
Benzo[g,h,i]perylene	810	J	940	99	ug/Kg	5	☼	8270D	Total/NA
Benzo[k]fluoranthene	790	J	940	120	ug/Kg	5	☼	8270D	Total/NA
Chrysene	1300		940	210	ug/Kg	5	☼	8270D	Total/NA
Fluoranthene	2300		940	99	ug/Kg	5	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	850	J	940	120	ug/Kg	5	☼	8270D	Total/NA
Phenanthrene	970		940	140	ug/Kg	5	☼	8270D	Total/NA
Pyrene	1800		940	110	ug/Kg	5	☼	8270D	Total/NA
4,4'-DDE	1.3	J	1.8	0.38	ug/Kg	1	☼	8081B	Total/NA
4,4'-DDT	1.7	J	1.8	0.43	ug/Kg	1	☼	8081B	Total/NA
alpha-BHC	0.59	J	1.8	0.33	ug/Kg	1	☼	8081B	Total/NA
Dieldrin	4.6		1.8	0.44	ug/Kg	1	☼	8081B	Total/NA
Arsenic	4.0		2.0	0.41	mg/Kg	1	☼	6010C	Total/NA
Beryllium	0.51		0.20	0.029	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.33		0.20	0.031	mg/Kg	1	☼	6010C	Total/NA
Chromium	16.2		0.51	0.20	mg/Kg	1	☼	6010C	Total/NA
Copper	26.9		1.0	0.21	mg/Kg	1	☼	6010C	Total/NA
Lead	46.4		1.0	0.24	mg/Kg	1	☼	6010C	Total/NA
Nickel	18.7		5.1	0.23	mg/Kg	1	☼	6010C	Total/NA
Silver	0.23	J	0.61	0.20	mg/Kg	1	☼	6010C	Total/NA
Zinc	84.7	B	2.0	0.65	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.034		0.023	0.0093	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SS-DUP1-081716

Lab Sample ID: 480-104754-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	170	J	930	140	ug/Kg	5	☼	8270D	Total/NA
Anthracene	450	J	930	230	ug/Kg	5	☼	8270D	Total/NA
Benzo[a]anthracene	1300		930	93	ug/Kg	5	☼	8270D	Total/NA
Benzo[a]pyrene	1300		930	140	ug/Kg	5	☼	8270D	Total/NA
Benzo[b]fluoranthene	1600		930	150	ug/Kg	5	☼	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Client Sample ID: SS-DUP1-081716 (Continued)

Lab Sample ID: 480-104754-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[g,h,i]perylene	1100		930	98	ug/Kg	5	☼	8270D	Total/NA
Benzo[k]fluoranthene	870	J	930	120	ug/Kg	5	☼	8270D	Total/NA
Chrysene	1400		930	210	ug/Kg	5	☼	8270D	Total/NA
Dibenz(a,h)anthracene	290	J	930	160	ug/Kg	5	☼	8270D	Total/NA
Fluoranthene	3100		930	98	ug/Kg	5	☼	8270D	Total/NA
Fluorene	140	J	930	110	ug/Kg	5	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	1100		930	110	ug/Kg	5	☼	8270D	Total/NA
Phenanthrene	1600		930	140	ug/Kg	5	☼	8270D	Total/NA
Pyrene	2500		930	110	ug/Kg	5	☼	8270D	Total/NA
4,4'-DDE	1.4	J	1.8	0.37	ug/Kg	1	☼	8081B	Total/NA
4,4'-DDT	1.7	J	1.8	0.42	ug/Kg	1	☼	8081B	Total/NA
Dieldrin	5.0		1.8	0.43	ug/Kg	1	☼	8081B	Total/NA
Arsenic	4.2		2.2	0.44	mg/Kg	1	☼	6010C	Total/NA
Beryllium	0.57		0.22	0.031	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.34		0.22	0.033	mg/Kg	1	☼	6010C	Total/NA
Chromium	18.2		0.56	0.22	mg/Kg	1	☼	6010C	Total/NA
Copper	27.8		1.1	0.23	mg/Kg	1	☼	6010C	Total/NA
Lead	41.7		1.1	0.27	mg/Kg	1	☼	6010C	Total/NA
Nickel	21.0		5.6	0.26	mg/Kg	1	☼	6010C	Total/NA
Silver	0.29	J	0.67	0.22	mg/Kg	1	☼	6010C	Total/NA
Zinc	84.5	B	2.2	0.71	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.031		0.020	0.0081	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SS-4-081716

Lab Sample ID: 480-104754-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	430	J	960	96	ug/Kg	5	☼	8270D	Total/NA
Benzo[a]pyrene	480	J	960	140	ug/Kg	5	☼	8270D	Total/NA
Benzo[b]fluoranthene	640	J	960	150	ug/Kg	5	☼	8270D	Total/NA
Benzo[g,h,i]perylene	450	J	960	100	ug/Kg	5	☼	8270D	Total/NA
Benzo[k]fluoranthene	320	J	960	120	ug/Kg	5	☼	8270D	Total/NA
Chrysene	480	J	960	210	ug/Kg	5	☼	8270D	Total/NA
Fluoranthene	860	J	960	100	ug/Kg	5	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	520	J	960	120	ug/Kg	5	☼	8270D	Total/NA
Phenanthrene	380	J	960	140	ug/Kg	5	☼	8270D	Total/NA
Pyrene	710	J	960	110	ug/Kg	5	☼	8270D	Total/NA
4,4'-DDE	1.3	J	1.9	0.40	ug/Kg	1	☼	8081B	Total/NA
4,4'-DDT	1.7	J	1.9	0.44	ug/Kg	1	☼	8081B	Total/NA
Dieldrin	11		1.9	0.45	ug/Kg	1	☼	8081B	Total/NA
Arsenic	8.4		2.3	0.46	mg/Kg	1	☼	6010C	Total/NA
Beryllium	0.76		0.23	0.033	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.90		0.23	0.035	mg/Kg	1	☼	6010C	Total/NA
Chromium	21.8		0.58	0.23	mg/Kg	1	☼	6010C	Total/NA
Copper	33.8		1.2	0.24	mg/Kg	1	☼	6010C	Total/NA
Lead	82.6		1.2	0.28	mg/Kg	1	☼	6010C	Total/NA
Nickel	25.9		5.8	0.27	mg/Kg	1	☼	6010C	Total/NA
Selenium	0.79	J	4.6	0.46	mg/Kg	1	☼	6010C	Total/NA
Silver	0.34	J	0.70	0.23	mg/Kg	1	☼	6010C	Total/NA
Zinc	217	B	2.3	0.74	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.062		0.022	0.0091	mg/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: GHD Services Inc.
 Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Client Sample ID: SS-5-081716

Lab Sample ID: 480-104754-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	88	J	200	20	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	93	J	200	29	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	130	J	200	32	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	96	J	200	21	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	64	J	200	26	ug/Kg	1	☼	8270D	Total/NA
Chrysene	110	J	200	45	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	170	J	200	21	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	110	J	200	25	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	78	J	200	29	ug/Kg	1	☼	8270D	Total/NA
Pyrene	150	J	200	24	ug/Kg	1	☼	8270D	Total/NA
4,4'-DDD	0.74	J	2.0	0.38	ug/Kg	1	☼	8081B	Total/NA
4,4'-DDE	8.0		2.0	0.41	ug/Kg	1	☼	8081B	Total/NA
4,4'-DDT	4.0		2.0	0.46	ug/Kg	1	☼	8081B	Total/NA
Dieldrin	3.1		2.0	0.47	ug/Kg	1	☼	8081B	Total/NA
Arsenic	9.6		2.4	0.47	mg/Kg	1	☼	6010C	Total/NA
Beryllium	0.89		0.24	0.033	mg/Kg	1	☼	6010C	Total/NA
Cadmium	1.2		0.24	0.036	mg/Kg	1	☼	6010C	Total/NA
Chromium	23.4		0.59	0.24	mg/Kg	1	☼	6010C	Total/NA
Copper	28.1		1.2	0.25	mg/Kg	1	☼	6010C	Total/NA
Lead	62.9		1.2	0.28	mg/Kg	1	☼	6010C	Total/NA
Nickel	31.2		5.9	0.27	mg/Kg	1	☼	6010C	Total/NA
Silver	0.45	J	0.71	0.24	mg/Kg	1	☼	6010C	Total/NA
Zinc	291	B	2.4	0.76	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.064		0.024	0.0097	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SS-6-081716

Lab Sample ID: 480-104754-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	88	J	200	20	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	85	J	200	30	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	120	J	200	32	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	83	J	200	22	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	58	J	200	26	ug/Kg	1	☼	8270D	Total/NA
Chrysene	110	J	200	45	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	170	J	200	22	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	94	J	200	25	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	90	J	200	30	ug/Kg	1	☼	8270D	Total/NA
Pyrene	150	J	200	24	ug/Kg	1	☼	8270D	Total/NA
4,4'-DDE	5.8		2.0	0.42	ug/Kg	1	☼	8081B	Total/NA
4,4'-DDT	3.3		2.0	0.47	ug/Kg	1	☼	8081B	Total/NA
Dieldrin	4.0		2.0	0.48	ug/Kg	1	☼	8081B	Total/NA
Arsenic	7.4		2.2	0.44	mg/Kg	1	☼	6010C	Total/NA
Beryllium	0.73		0.22	0.031	mg/Kg	1	☼	6010C	Total/NA
Cadmium	1.3		0.22	0.033	mg/Kg	1	☼	6010C	Total/NA
Chromium	19.2		0.55	0.22	mg/Kg	1	☼	6010C	Total/NA
Copper	23.6		1.1	0.23	mg/Kg	1	☼	6010C	Total/NA
Lead	80.2		1.1	0.26	mg/Kg	1	☼	6010C	Total/NA
Nickel	24.2		5.5	0.25	mg/Kg	1	☼	6010C	Total/NA
Silver	0.41	J	0.66	0.22	mg/Kg	1	☼	6010C	Total/NA
Zinc	272	B	2.2	0.70	mg/Kg	1	☼	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Client Sample ID: SS-6-081716 (Continued)

Lab Sample ID: 480-104754-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.090		0.024	0.0096	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SS-7-081716

Lab Sample ID: 480-104754-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	860	J	3700	370	ug/Kg	20	☼	8270D	Total/NA
Benzo[a]pyrene	760	J	3700	550	ug/Kg	20	☼	8270D	Total/NA
Benzo[b]fluoranthene	1100	J	3700	590	ug/Kg	20	☼	8270D	Total/NA
Benzo[g,h,i]perylene	650	J	3700	400	ug/Kg	20	☼	8270D	Total/NA
Chrysene	940	J	3700	830	ug/Kg	20	☼	8270D	Total/NA
Fluoranthene	1600	J	3700	400	ug/Kg	20	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	1100	J	3700	460	ug/Kg	20	☼	8270D	Total/NA
Phenanthrene	860	J	3700	550	ug/Kg	20	☼	8270D	Total/NA
Pyrene	1400	J	3700	440	ug/Kg	20	☼	8270D	Total/NA
alpha-BHC	5.7	J	19	3.3	ug/Kg	10	☼	8081B	Total/NA
Dieldrin	100		19	4.4	ug/Kg	10	☼	8081B	Total/NA
Arsenic	5.2		2.2	0.45	mg/Kg	1	☼	6010C	Total/NA
Beryllium	0.57		0.22	0.031	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.67		0.22	0.034	mg/Kg	1	☼	6010C	Total/NA
Chromium	27.1		0.56	0.22	mg/Kg	1	☼	6010C	Total/NA
Copper	71.0		1.1	0.24	mg/Kg	1	☼	6010C	Total/NA
Lead	343		1.1	0.27	mg/Kg	1	☼	6010C	Total/NA
Nickel	24.6		5.6	0.26	mg/Kg	1	☼	6010C	Total/NA
Silver	0.52	J	0.67	0.22	mg/Kg	1	☼	6010C	Total/NA
Zinc	267	B	2.2	0.72	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.062		0.022	0.0090	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SS-8-081716

Lab Sample ID: 480-104754-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	420	J	930	93	ug/Kg	5	☼	8270D	Total/NA
Benzo[a]pyrene	390	J	930	140	ug/Kg	5	☼	8270D	Total/NA
Benzo[b]fluoranthene	550	J	930	150	ug/Kg	5	☼	8270D	Total/NA
Benzo[g,h,i]perylene	370	J	930	99	ug/Kg	5	☼	8270D	Total/NA
Benzo[k]fluoranthene	240	J	930	120	ug/Kg	5	☼	8270D	Total/NA
Chrysene	430	J	930	210	ug/Kg	5	☼	8270D	Total/NA
Fluoranthene	870	J	930	99	ug/Kg	5	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	410	J	930	120	ug/Kg	5	☼	8270D	Total/NA
Phenanthrene	510	J	930	140	ug/Kg	5	☼	8270D	Total/NA
Pyrene	700	J	930	110	ug/Kg	5	☼	8270D	Total/NA
4,4'-DDE	0.94	J	1.8	0.38	ug/Kg	1	☼	8081B	Total/NA
Dieldrin	12		1.8	0.44	ug/Kg	1	☼	8081B	Total/NA
Arsenic	4.1		2.3	0.46	mg/Kg	1	☼	6010C	Total/NA
Beryllium	0.60		0.23	0.032	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.54		0.23	0.034	mg/Kg	1	☼	6010C	Total/NA
Chromium	21.4		0.57	0.23	mg/Kg	1	☼	6010C	Total/NA
Copper	39.4		1.1	0.24	mg/Kg	1	☼	6010C	Total/NA
Lead	180		1.1	0.28	mg/Kg	1	☼	6010C	Total/NA
Nickel	23.0		5.7	0.26	mg/Kg	1	☼	6010C	Total/NA
Selenium	0.58	J	4.6	0.46	mg/Kg	1	☼	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Client Sample ID: SS-8-081716 (Continued)

Lab Sample ID: 480-104754-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Silver	0.37	J	0.69	0.23	mg/Kg	1	☼	6010C	Total/NA
Zinc	220	B	2.3	0.74	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.049		0.022	0.0091	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SS-9-081716

Lab Sample ID: 480-104754-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	410	J	920	92	ug/Kg	5	☼	8270D	Total/NA
Benzo[a]pyrene	360	J	920	140	ug/Kg	5	☼	8270D	Total/NA
Benzo[b]fluoranthene	520	J	920	150	ug/Kg	5	☼	8270D	Total/NA
Benzo[g,h,i]perylene	320	J	920	97	ug/Kg	5	☼	8270D	Total/NA
Benzo[k]fluoranthene	230	J	920	120	ug/Kg	5	☼	8270D	Total/NA
Chrysene	400	J	920	210	ug/Kg	5	☼	8270D	Total/NA
Fluoranthene	820	J	920	97	ug/Kg	5	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	390	J	920	110	ug/Kg	5	☼	8270D	Total/NA
Phenanthrene	470	J	920	140	ug/Kg	5	☼	8270D	Total/NA
Pyrene	660	J	920	110	ug/Kg	5	☼	8270D	Total/NA
4,4'-DDE	1.5	J	1.8	0.38	ug/Kg	1	☼	8081B	Total/NA
Dieldrin	15		1.8	0.43	ug/Kg	1	☼	8081B	Total/NA
Arsenic	2.2	J	2.3	0.45	mg/Kg	1	☼	6010C	Total/NA
Beryllium	0.30		0.23	0.032	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.39		0.23	0.034	mg/Kg	1	☼	6010C	Total/NA
Chromium	11.4		0.57	0.23	mg/Kg	1	☼	6010C	Total/NA
Copper	25.2		1.1	0.24	mg/Kg	1	☼	6010C	Total/NA
Lead	103		1.1	0.27	mg/Kg	1	☼	6010C	Total/NA
Nickel	12.5		5.7	0.26	mg/Kg	1	☼	6010C	Total/NA
Zinc	96.8	B	2.3	0.73	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.037		0.022	0.0090	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SS-10-081716

Lab Sample ID: 480-104754-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	780	J	3800	380	ug/Kg	20	☼	8270D	Total/NA
Benzo[a]pyrene	760	J	3800	560	ug/Kg	20	☼	8270D	Total/NA
Benzo[b]fluoranthene	940	J	3800	600	ug/Kg	20	☼	8270D	Total/NA
Benzo[g,h,i]perylene	640	J	3800	400	ug/Kg	20	☼	8270D	Total/NA
Fluoranthene	1500	J	3800	400	ug/Kg	20	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	970	J	3800	470	ug/Kg	20	☼	8270D	Total/NA
Phenanthrene	870	J	3800	560	ug/Kg	20	☼	8270D	Total/NA
Pyrene	1300	J	3800	450	ug/Kg	20	☼	8270D	Total/NA
4,4'-DDE	4.0		1.9	0.39	ug/Kg	1	☼	8081B	Total/NA
4,4'-DDT	4.7		1.9	0.43	ug/Kg	1	☼	8081B	Total/NA
alpha-BHC	0.69	J	1.9	0.33	ug/Kg	1	☼	8081B	Total/NA
Dieldrin	24		1.9	0.45	ug/Kg	1	☼	8081B	Total/NA
Arsenic	4.2		2.1	0.42	mg/Kg	1	☼	6010C	Total/NA
Beryllium	0.58		0.21	0.029	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.75		0.21	0.031	mg/Kg	1	☼	6010C	Total/NA
Chromium	18.6		0.52	0.21	mg/Kg	1	☼	6010C	Total/NA
Copper	43.2		1.0	0.22	mg/Kg	1	☼	6010C	Total/NA
Lead	117		1.0	0.25	mg/Kg	1	☼	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Client Sample ID: SS-10-081716 (Continued)

Lab Sample ID: 480-104754-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nickel	23.8		5.2	0.24	mg/Kg	1	☼	6010C	Total/NA
Silver	0.58	J	0.63	0.21	mg/Kg	1	☼	6010C	Total/NA
Zinc	154	B	2.1	0.67	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.046		0.022	0.0090	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SS-11-081716

Lab Sample ID: 480-104754-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	170	J	970	140	ug/Kg	5	☼	8270D	Total/NA
Anthracene	380	J	970	240	ug/Kg	5	☼	8270D	Total/NA
Benzo[a]anthracene	1200		970	97	ug/Kg	5	☼	8270D	Total/NA
Benzo[a]pyrene	950	J	970	140	ug/Kg	5	☼	8270D	Total/NA
Benzo[b]fluoranthene	1200		970	150	ug/Kg	5	☼	8270D	Total/NA
Benzo[g,h,i]perylene	740	J	970	100	ug/Kg	5	☼	8270D	Total/NA
Benzo[k]fluoranthene	580	J	970	130	ug/Kg	5	☼	8270D	Total/NA
Chrysene	1100		970	220	ug/Kg	5	☼	8270D	Total/NA
Dibenz(a,h)anthracene	230	J	970	170	ug/Kg	5	☼	8270D	Total/NA
Fluoranthene	2300		970	100	ug/Kg	5	☼	8270D	Total/NA
Fluorene	150	J	970	110	ug/Kg	5	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	760	J	970	120	ug/Kg	5	☼	8270D	Total/NA
Phenanthrene	1700		970	140	ug/Kg	5	☼	8270D	Total/NA
Pyrene	1900		970	110	ug/Kg	5	☼	8270D	Total/NA
4,4'-DDE	1.4	J	1.9	0.40	ug/Kg	1	☼	8081B	Total/NA
4,4'-DDT	3.7		1.9	0.44	ug/Kg	1	☼	8081B	Total/NA
Dieldrin	29		1.9	0.46	ug/Kg	1	☼	8081B	Total/NA
Arsenic	6.7		2.5	0.50	mg/Kg	1	☼	6010C	Total/NA
Beryllium	0.76		0.25	0.035	mg/Kg	1	☼	6010C	Total/NA
Cadmium	1.3		0.25	0.038	mg/Kg	1	☼	6010C	Total/NA
Chromium	24.4		0.63	0.25	mg/Kg	1	☼	6010C	Total/NA
Copper	44.9		1.3	0.26	mg/Kg	1	☼	6010C	Total/NA
Lead	143		1.3	0.30	mg/Kg	1	☼	6010C	Total/NA
Nickel	30.2		6.3	0.29	mg/Kg	1	☼	6010C	Total/NA
Silver	0.70	J	0.75	0.25	mg/Kg	1	☼	6010C	Total/NA
Zinc	310	B	2.5	0.80	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.044		0.023	0.0093	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SS-12-081716

Lab Sample ID: 480-104754-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	140	J	190	19	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	160	J	190	28	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	200		190	30	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	140	J	190	20	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	94	J	190	25	ug/Kg	1	☼	8270D	Total/NA
Chrysene	160	J	190	42	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	250		190	20	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	130	J	190	23	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	160	J	190	28	ug/Kg	1	☼	8270D	Total/NA
Pyrene	230		190	22	ug/Kg	1	☼	8270D	Total/NA
4,4'-DDE	0.74	J	1.8	0.39	ug/Kg	1	☼	8081B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Client Sample ID: SS-12-081716 (Continued)

Lab Sample ID: 480-104754-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Dieldrin	3.6		1.8	0.44	ug/Kg	1		☼	8081B	Total/NA
Arsenic	5.1		2.3	0.45	mg/Kg	1		☼	6010C	Total/NA
Beryllium	0.85		0.23	0.032	mg/Kg	1		☼	6010C	Total/NA
Cadmium	0.30		0.23	0.034	mg/Kg	1		☼	6010C	Total/NA
Chromium	24.7		0.57	0.23	mg/Kg	1		☼	6010C	Total/NA
Copper	31.8		1.1	0.24	mg/Kg	1		☼	6010C	Total/NA
Lead	55.8		1.1	0.27	mg/Kg	1		☼	6010C	Total/NA
Nickel	27.1		5.7	0.26	mg/Kg	1		☼	6010C	Total/NA
Silver	0.33	J	0.68	0.23	mg/Kg	1		☼	6010C	Total/NA
Zinc	83.3		2.3	0.72	mg/Kg	1		☼	6010C	Total/NA
Mercury	0.029		0.023	0.0092	mg/Kg	1		☼	7471B	Total/NA

Client Sample ID: SS-13-081716

Lab Sample ID: 480-104754-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Benzo[a]anthracene	110	J	190	19	ug/Kg	1		☼	8270D	Total/NA
Benzo[a]pyrene	93	J	190	28	ug/Kg	1		☼	8270D	Total/NA
Benzo[b]fluoranthene	130	J	190	31	ug/Kg	1		☼	8270D	Total/NA
Benzo[g,h,i]perylene	88	J	190	20	ug/Kg	1		☼	8270D	Total/NA
Benzo[k]fluoranthene	54	J	190	25	ug/Kg	1		☼	8270D	Total/NA
Chrysene	110	J	190	43	ug/Kg	1		☼	8270D	Total/NA
Fluoranthene	200		190	20	ug/Kg	1		☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	98	J	190	24	ug/Kg	1		☼	8270D	Total/NA
Phenanthrene	130	J	190	28	ug/Kg	1		☼	8270D	Total/NA
Pyrene	170	J	190	23	ug/Kg	1		☼	8270D	Total/NA
4,4'-DDE	0.85	J	1.9	0.39	ug/Kg	1		☼	8081B	Total/NA
Dieldrin	0.52	J	1.9	0.45	ug/Kg	1		☼	8081B	Total/NA
Arsenic	4.6		2.3	0.45	mg/Kg	1		☼	6010C	Total/NA
Beryllium	0.77		0.23	0.032	mg/Kg	1		☼	6010C	Total/NA
Cadmium	0.40		0.23	0.034	mg/Kg	1		☼	6010C	Total/NA
Chromium	23.9		0.56	0.23	mg/Kg	1		☼	6010C	Total/NA
Copper	20.4		1.1	0.24	mg/Kg	1		☼	6010C	Total/NA
Lead	39.0		1.1	0.27	mg/Kg	1		☼	6010C	Total/NA
Nickel	24.4		5.6	0.26	mg/Kg	1		☼	6010C	Total/NA
Silver	0.30	J	0.68	0.23	mg/Kg	1		☼	6010C	Total/NA
Zinc	118		2.3	0.72	mg/Kg	1		☼	6010C	Total/NA
Mercury	0.041		0.022	0.0091	mg/Kg	1		☼	7471B	Total/NA

Client Sample ID: SS-14-081716

Lab Sample ID: 480-104754-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
4,4'-DDE	0.77	J	1.8	0.39	ug/Kg	1		☼	8081B	Total/NA
alpha-BHC	0.57	J	1.8	0.33	ug/Kg	1		☼	8081B	Total/NA
Arsenic	5.6		2.3	0.47	mg/Kg	1		☼	6010C	Total/NA
Beryllium	0.66		0.23	0.033	mg/Kg	1		☼	6010C	Total/NA
Cadmium	0.32		0.23	0.035	mg/Kg	1		☼	6010C	Total/NA
Chromium	26.1		0.58	0.23	mg/Kg	1		☼	6010C	Total/NA
Copper	21.6		1.2	0.24	mg/Kg	1		☼	6010C	Total/NA
Lead	33.5		1.2	0.28	mg/Kg	1		☼	6010C	Total/NA
Nickel	25.7		5.8	0.27	mg/Kg	1		☼	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Client Sample ID: SS-14-081716 (Continued)

Lab Sample ID: 480-104754-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Zinc	180		2.3	0.75	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.019	J	0.022	0.0090	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SS-15-081716

Lab Sample ID: 480-104754-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	230	J	940	94	ug/Kg	5	☼	8270D	Total/NA
Benzo[a]pyrene	190	J	940	140	ug/Kg	5	☼	8270D	Total/NA
Benzo[b]fluoranthene	310	J	940	150	ug/Kg	5	☼	8270D	Total/NA
Benzo[g,h,i]perylene	110	J	940	99	ug/Kg	5	☼	8270D	Total/NA
Chrysene	220	J	940	210	ug/Kg	5	☼	8270D	Total/NA
Fluoranthene	430	J	940	99	ug/Kg	5	☼	8270D	Total/NA
Phenanthrene	260	J	940	140	ug/Kg	5	☼	8270D	Total/NA
Pyrene	320	J	940	110	ug/Kg	5	☼	8270D	Total/NA
Arsenic	3.9		2.3	0.45	mg/Kg	1	☼	6010C	Total/NA
Beryllium	0.74		0.23	0.032	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.21	J	0.23	0.034	mg/Kg	1	☼	6010C	Total/NA
Chromium	21.8		0.57	0.23	mg/Kg	1	☼	6010C	Total/NA
Copper	15.5		1.1	0.24	mg/Kg	1	☼	6010C	Total/NA
Lead	11.6		1.1	0.27	mg/Kg	1	☼	6010C	Total/NA
Nickel	25.5		5.7	0.26	mg/Kg	1	☼	6010C	Total/NA
Zinc	65.9		2.3	0.73	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.023		0.022	0.0090	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SS-16-081716

Lab Sample ID: 480-104754-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDE	0.78	J	1.9	0.40	ug/Kg	1	☼	8081B	Total/NA
PCB-1254	0.14	J	0.24	0.11	mg/Kg	1	☼	8082A	Total/NA
Arsenic	4.2		2.1	0.42	mg/Kg	1	☼	6010C	Total/NA
Beryllium	0.66		0.21	0.029	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.23		0.21	0.031	mg/Kg	1	☼	6010C	Total/NA
Chromium	20.2		0.52	0.21	mg/Kg	1	☼	6010C	Total/NA
Copper	17.3		1.0	0.22	mg/Kg	1	☼	6010C	Total/NA
Lead	15.1		1.0	0.25	mg/Kg	1	☼	6010C	Total/NA
Nickel	23.5		5.2	0.24	mg/Kg	1	☼	6010C	Total/NA
Silver	0.25	J	0.62	0.21	mg/Kg	1	☼	6010C	Total/NA
Zinc	59.3		2.1	0.67	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.023		0.021	0.0086	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SS-17-081816

Lab Sample ID: 480-104754-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Anthracene	270	J	930	230	ug/Kg	5	☼	8270D	Total/NA
Benzo[a]anthracene	1400		930	93	ug/Kg	5	☼	8270D	Total/NA
Benzo[a]pyrene	1400		930	140	ug/Kg	5	☼	8270D	Total/NA
Benzo[b]fluoranthene	2000		930	150	ug/Kg	5	☼	8270D	Total/NA
Benzo[g,h,i]perylene	800	J	930	99	ug/Kg	5	☼	8270D	Total/NA
Benzo[k]fluoranthene	690	J	930	120	ug/Kg	5	☼	8270D	Total/NA
Chrysene	1600		930	210	ug/Kg	5	☼	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Client Sample ID: SS-17-081816 (Continued)

Lab Sample ID: 480-104754-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluoranthene	3300		930	99	ug/Kg	5	☼	8270D	Total/NA
Fluorene	120	J	930	110	ug/Kg	5	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	770	J	930	120	ug/Kg	5	☼	8270D	Total/NA
Phenanthrene	1700		930	140	ug/Kg	5	☼	8270D	Total/NA
Pyrene	2400		930	110	ug/Kg	5	☼	8270D	Total/NA
4,4'-DDE	78		18	3.8	ug/Kg	10	☼	8081B	Total/NA
4,4'-DDT	74		18	4.2	ug/Kg	10	☼	8081B	Total/NA
Dieldrin	310		18	4.3	ug/Kg	10	☼	8081B	Total/NA
gamma-Chlordane	45		18	5.7	ug/Kg	10	☼	8081B	Total/NA
Heptachlor epoxide	89		18	4.6	ug/Kg	10	☼	8081B	Total/NA
Arsenic	4.7		2.2	0.44	mg/Kg	1	☼	6010C	Total/NA
Beryllium	0.63		0.22	0.031	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.58		0.22	0.033	mg/Kg	1	☼	6010C	Total/NA
Chromium	20.3		0.55	0.22	mg/Kg	1	☼	6010C	Total/NA
Copper	65.6		1.1	0.23	mg/Kg	1	☼	6010C	Total/NA
Lead	90.7		1.1	0.27	mg/Kg	1	☼	6010C	Total/NA
Nickel	24.0		5.5	0.25	mg/Kg	1	☼	6010C	Total/NA
Silver	0.29	J	0.67	0.22	mg/Kg	1	☼	6010C	Total/NA
Zinc	141		2.2	0.71	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.056		0.022	0.0090	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SS-18-081816

Lab Sample ID: 480-104754-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluoranthene	220	J	930	99	ug/Kg	5	☼	8270D	Total/NA
Pyrene	160	J	930	110	ug/Kg	5	☼	8270D	Total/NA
4,4'-DDE	1.7	J	1.8	0.39	ug/Kg	1	☼	8081B	Total/NA
Dieldrin	0.68	J	1.8	0.44	ug/Kg	1	☼	8081B	Total/NA
Arsenic	3.5		2.0	0.41	mg/Kg	1	☼	6010C	Total/NA
Beryllium	0.66		0.20	0.029	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.48		0.20	0.031	mg/Kg	1	☼	6010C	Total/NA
Chromium	21.4		0.51	0.20	mg/Kg	1	☼	6010C	Total/NA
Copper	25.1		1.0	0.21	mg/Kg	1	☼	6010C	Total/NA
Lead	39.0		1.0	0.24	mg/Kg	1	☼	6010C	Total/NA
Nickel	24.0		5.1	0.23	mg/Kg	1	☼	6010C	Total/NA
Silver	0.24	J	0.61	0.20	mg/Kg	1	☼	6010C	Total/NA
Zinc	94.3		2.0	0.65	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.027		0.022	0.0089	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SS-19-081816

Lab Sample ID: 480-104754-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	400	J	940	94	ug/Kg	5	☼	8270D	Total/NA
Benzo[a]pyrene	300	J	940	140	ug/Kg	5	☼	8270D	Total/NA
Benzo[b]fluoranthene	390	J	940	150	ug/Kg	5	☼	8270D	Total/NA
Benzo[g,h,i]perylene	160	J	940	99	ug/Kg	5	☼	8270D	Total/NA
Benzo[k]fluoranthene	190	J	940	120	ug/Kg	5	☼	8270D	Total/NA
Chrysene	380	J	940	210	ug/Kg	5	☼	8270D	Total/NA
Fluoranthene	860	J	940	99	ug/Kg	5	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	150	J	940	120	ug/Kg	5	☼	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Client Sample ID: SS-19-081816 (Continued)

Lab Sample ID: 480-104754-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Phenanthrene	690	J	940	140	ug/Kg	5	☼	8270D	Total/NA
Pyrene	660	J	940	110	ug/Kg	5	☼	8270D	Total/NA
4,4'-DDE	2.1	J	9.3	1.9	ug/Kg	5	☼	8081B	Total/NA
Arsenic	4.2		2.2	0.43	mg/Kg	1	☼	6010C	Total/NA
Beryllium	0.57		0.22	0.030	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.51		0.22	0.032	mg/Kg	1	☼	6010C	Total/NA
Chromium	37.2		0.54	0.22	mg/Kg	1	☼	6010C	Total/NA
Copper	23.1		1.1	0.23	mg/Kg	1	☼	6010C	Total/NA
Lead	43.7		1.1	0.26	mg/Kg	1	☼	6010C	Total/NA
Nickel	31.2		5.4	0.25	mg/Kg	1	☼	6010C	Total/NA
Silver	0.32	J	0.65	0.22	mg/Kg	1	☼	6010C	Total/NA
Zinc	102		2.2	0.69	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.084	F1 F2	0.023	0.0091	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SS-20-081816

Lab Sample ID: 480-104754-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	250	J	950	140	ug/Kg	5	☼	8270D	Total/NA
Anthracene	500	J	950	230	ug/Kg	5	☼	8270D	Total/NA
Benzo[a]anthracene	1200		950	95	ug/Kg	5	☼	8270D	Total/NA
Benzo[a]pyrene	1100		950	140	ug/Kg	5	☼	8270D	Total/NA
Benzo[b]fluoranthene	1300		950	150	ug/Kg	5	☼	8270D	Total/NA
Benzo[g,h,i]perylene	440	J	950	100	ug/Kg	5	☼	8270D	Total/NA
Benzo[k]fluoranthene	660	J	950	120	ug/Kg	5	☼	8270D	Total/NA
Chrysene	1200		950	210	ug/Kg	5	☼	8270D	Total/NA
Fluoranthene	2800		950	100	ug/Kg	5	☼	8270D	Total/NA
Fluorene	210	J	950	110	ug/Kg	5	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	460	J	950	120	ug/Kg	5	☼	8270D	Total/NA
Phenanthrene	2200		950	140	ug/Kg	5	☼	8270D	Total/NA
Pyrene	2100		950	110	ug/Kg	5	☼	8270D	Total/NA
4,4'-DDE	2.7	J	9.3	1.9	ug/Kg	5	☼	8081B	Total/NA
alpha-BHC	2.0	J	9.3	1.7	ug/Kg	5	☼	8081B	Total/NA
Arsenic	5.6		2.2	0.45	mg/Kg	1	☼	6010C	Total/NA
Beryllium	0.65		0.22	0.031	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.47		0.22	0.034	mg/Kg	1	☼	6010C	Total/NA
Chromium	21.5		0.56	0.22	mg/Kg	1	☼	6010C	Total/NA
Copper	27.1		1.1	0.24	mg/Kg	1	☼	6010C	Total/NA
Lead	35.2		1.1	0.27	mg/Kg	1	☼	6010C	Total/NA
Nickel	22.6		5.6	0.26	mg/Kg	1	☼	6010C	Total/NA
Silver	0.28	J	0.67	0.22	mg/Kg	1	☼	6010C	Total/NA
Zinc	111		2.2	0.72	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.029		0.023	0.0093	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SS-21-081816

Lab Sample ID: 480-104754-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	500	J	930	93	ug/Kg	5	☼	8270D	Total/NA
Benzo[a]pyrene	440	J	930	140	ug/Kg	5	☼	8270D	Total/NA
Benzo[b]fluoranthene	660	J	930	150	ug/Kg	5	☼	8270D	Total/NA
Benzo[g,h,i]perylene	320	J	930	98	ug/Kg	5	☼	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Client Sample ID: SS-21-081816 (Continued)

Lab Sample ID: 480-104754-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chrysene	500	J	930	210	ug/Kg	5	☼	8270D	Total/NA
Fluoranthene	1100		930	98	ug/Kg	5	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	270	J	930	110	ug/Kg	5	☼	8270D	Total/NA
Phenanthrene	730	J	930	140	ug/Kg	5	☼	8270D	Total/NA
Pyrene	860	J	930	110	ug/Kg	5	☼	8270D	Total/NA
alpha-BHC	4.0	J	18	3.3	ug/Kg	10	☼	8081B	Total/NA
Arsenic	4.6		2.3	0.45	mg/Kg	1	☼	6010C	Total/NA
Beryllium	0.72		0.23	0.032	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.41		0.23	0.034	mg/Kg	1	☼	6010C	Total/NA
Chromium	27.1		0.56	0.23	mg/Kg	1	☼	6010C	Total/NA
Copper	22.4		1.1	0.24	mg/Kg	1	☼	6010C	Total/NA
Lead	41.6	F1	1.1	0.27	mg/Kg	1	☼	6010C	Total/NA
Nickel	29.2		5.6	0.26	mg/Kg	1	☼	6010C	Total/NA
Silver	0.29	J	0.68	0.23	mg/Kg	1	☼	6010C	Total/NA
Zinc	118	F1	2.3	0.72	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.087	F1	0.022	0.0089	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SS-22-081816

Lab Sample ID: 480-104754-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	200	J	950	140	ug/Kg	5	☼	8270D	Total/NA
Anthracene	420	J	950	240	ug/Kg	5	☼	8270D	Total/NA
Benzo[a]anthracene	1800		950	95	ug/Kg	5	☼	8270D	Total/NA
Benzo[a]pyrene	1700		950	140	ug/Kg	5	☼	8270D	Total/NA
Benzo[b]fluoranthene	2600		950	150	ug/Kg	5	☼	8270D	Total/NA
Benzo[g,h,i]perylene	840	J	950	100	ug/Kg	5	☼	8270D	Total/NA
Benzo[k]fluoranthene	890	J	950	120	ug/Kg	5	☼	8270D	Total/NA
Chrysene	1900		950	210	ug/Kg	5	☼	8270D	Total/NA
Fluoranthene	3800		950	100	ug/Kg	5	☼	8270D	Total/NA
Fluorene	170	J	950	110	ug/Kg	5	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	770	J	950	120	ug/Kg	5	☼	8270D	Total/NA
Phenanthrene	2100		950	140	ug/Kg	5	☼	8270D	Total/NA
Pyrene	2900		950	110	ug/Kg	5	☼	8270D	Total/NA
alpha-BHC	2.1	J	9.3	1.7	ug/Kg	5	☼	8081B	Total/NA
Dieldrin	83		9.3	2.2	ug/Kg	5	☼	8081B	Total/NA
Arsenic	3.9		2.3	0.46	mg/Kg	1	☼	6010C	Total/NA
Beryllium	0.52		0.23	0.032	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.67		0.23	0.035	mg/Kg	1	☼	6010C	Total/NA
Chromium	24.0		0.58	0.23	mg/Kg	1	☼	6010C	Total/NA
Copper	42.5		1.2	0.24	mg/Kg	1	☼	6010C	Total/NA
Lead	339		1.2	0.28	mg/Kg	1	☼	6010C	Total/NA
Nickel	28.2		5.8	0.27	mg/Kg	1	☼	6010C	Total/NA
Silver	0.40	J	0.69	0.23	mg/Kg	1	☼	6010C	Total/NA
Zinc	190		2.3	0.74	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.041		0.023	0.0094	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SS-DUP2-081816

Lab Sample ID: 480-104754-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	650	J	910	130	ug/Kg	5	☼	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Client Sample ID: SS-DUP2-081816 (Continued)

Lab Sample ID: 480-104754-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Anthracene	1300		910	230	ug/Kg	5	☼	8270D	Total/NA
Benzo[a]anthracene	3300		910	91	ug/Kg	5	☼	8270D	Total/NA
Benzo[a]pyrene	2800		910	130	ug/Kg	5	☼	8270D	Total/NA
Benzo[b]fluoranthene	4100		910	150	ug/Kg	5	☼	8270D	Total/NA
Benzo[g,h,i]perylene	1200		910	97	ug/Kg	5	☼	8270D	Total/NA
Benzo[k]fluoranthene	1500		910	120	ug/Kg	5	☼	8270D	Total/NA
Chrysene	3400		910	200	ug/Kg	5	☼	8270D	Total/NA
Fluoranthene	7400		910	97	ug/Kg	5	☼	8270D	Total/NA
Fluorene	500	J	910	110	ug/Kg	5	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	1200		910	110	ug/Kg	5	☼	8270D	Total/NA
Phenanthrene	5100		910	130	ug/Kg	5	☼	8270D	Total/NA
Pyrene	5500		910	110	ug/Kg	5	☼	8270D	Total/NA
4,4'-DDE	0.99	J	3.5	0.74	ug/Kg	2	☼	8081B	Total/NA
alpha-BHC	0.80	J	3.5	0.64	ug/Kg	2	☼	8081B	Total/NA
Dieldrin	48		3.5	0.85	ug/Kg	2	☼	8081B	Total/NA
PCB-1254	0.12	J	0.26	0.12	mg/Kg	1	☼	8082A	Total/NA
Arsenic	4.1		2.0	0.39	mg/Kg	1	☼	6010C	Total/NA
Beryllium	0.49		0.20	0.027	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.61		0.20	0.029	mg/Kg	1	☼	6010C	Total/NA
Chromium	23.1		0.49	0.20	mg/Kg	1	☼	6010C	Total/NA
Copper	46.0		0.98	0.21	mg/Kg	1	☼	6010C	Total/NA
Lead	406		0.98	0.24	mg/Kg	1	☼	6010C	Total/NA
Nickel	27.2		4.9	0.23	mg/Kg	1	☼	6010C	Total/NA
Silver	0.33	J	0.59	0.20	mg/Kg	1	☼	6010C	Total/NA
Zinc	185		2.0	0.63	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.034		0.021	0.0086	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SS-23-081816

Lab Sample ID: 480-104754-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	700	J	930	93	ug/Kg	5	☼	8270D	Total/NA
Benzo[a]pyrene	570	J	930	140	ug/Kg	5	☼	8270D	Total/NA
Benzo[b]fluoranthene	810	J	930	150	ug/Kg	5	☼	8270D	Total/NA
Benzo[g,h,i]perylene	230	J	930	99	ug/Kg	5	☼	8270D	Total/NA
Benzo[k]fluoranthene	360	J	930	120	ug/Kg	5	☼	8270D	Total/NA
Chrysene	660	J	930	210	ug/Kg	5	☼	8270D	Total/NA
Fluoranthene	1400		930	99	ug/Kg	5	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	230	J	930	120	ug/Kg	5	☼	8270D	Total/NA
Phenanthrene	870	J	930	140	ug/Kg	5	☼	8270D	Total/NA
Pyrene	1000		930	110	ug/Kg	5	☼	8270D	Total/NA
4,4'-DDE	2.6	J	3.8	0.79	ug/Kg	2	☼	8081B	Total/NA
Dieldrin	16		3.8	0.90	ug/Kg	2	☼	8081B	Total/NA
Arsenic	4.1		2.3	0.46	mg/Kg	1	☼	6010C	Total/NA
Beryllium	0.74		0.23	0.032	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.40		0.23	0.035	mg/Kg	1	☼	6010C	Total/NA
Chromium	25.9		0.58	0.23	mg/Kg	1	☼	6010C	Total/NA
Copper	20.9		1.2	0.24	mg/Kg	1	☼	6010C	Total/NA
Lead	68.3		1.2	0.28	mg/Kg	1	☼	6010C	Total/NA
Nickel	27.9		5.8	0.27	mg/Kg	1	☼	6010C	Total/NA
Silver	0.40	J	0.70	0.23	mg/Kg	1	☼	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Client Sample ID: SS-23-081816 (Continued)

Lab Sample ID: 480-104754-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Zinc	99.4		2.3	0.74	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.037		0.023	0.0093	mg/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

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Client Sample Results

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Client Sample ID: SS-1-081716

Lab Sample ID: 480-104754-1

Date Collected: 08/17/16 10:45

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 88.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		3800	440	ug/Kg	☼	08/23/16 06:20	08/23/16 21:30	20
4-Methylphenol	ND		7300	440	ug/Kg	☼	08/23/16 06:20	08/23/16 21:30	20
Acenaphthene	780	J	3800	560	ug/Kg	☼	08/23/16 06:20	08/23/16 21:30	20
Acenaphthylene	ND		3800	490	ug/Kg	☼	08/23/16 06:20	08/23/16 21:30	20
Anthracene	1600	J	3800	930	ug/Kg	☼	08/23/16 06:20	08/23/16 21:30	20
Benzo[a]anthracene	4900		3800	380	ug/Kg	☼	08/23/16 06:20	08/23/16 21:30	20
Benzo[a]pyrene	4100		3800	560	ug/Kg	☼	08/23/16 06:20	08/23/16 21:30	20
Benzo[b]fluoranthene	5200		3800	600	ug/Kg	☼	08/23/16 06:20	08/23/16 21:30	20
Benzo[g,h,i]perylene	3200	J	3800	400	ug/Kg	☼	08/23/16 06:20	08/23/16 21:30	20
Benzo[k]fluoranthene	3000	J	3800	490	ug/Kg	☼	08/23/16 06:20	08/23/16 21:30	20
Chrysene	5200		3800	840	ug/Kg	☼	08/23/16 06:20	08/23/16 21:30	20
Dibenz(a,h)anthracene	930	J	3800	670	ug/Kg	☼	08/23/16 06:20	08/23/16 21:30	20
Fluoranthene	11000		3800	400	ug/Kg	☼	08/23/16 06:20	08/23/16 21:30	20
Fluorene	590	J	3800	440	ug/Kg	☼	08/23/16 06:20	08/23/16 21:30	20
Hexachlorobenzene	ND		3800	510	ug/Kg	☼	08/23/16 06:20	08/23/16 21:30	20
Indeno[1,2,3-cd]pyrene	3400	J	3800	470	ug/Kg	☼	08/23/16 06:20	08/23/16 21:30	20
Naphthalene	ND		3800	490	ug/Kg	☼	08/23/16 06:20	08/23/16 21:30	20
Pentachlorophenol	ND		7300	3800	ug/Kg	☼	08/23/16 06:20	08/23/16 21:30	20
Phenanthrene	6500		3800	560	ug/Kg	☼	08/23/16 06:20	08/23/16 21:30	20
Phenol	ND		3800	580	ug/Kg	☼	08/23/16 06:20	08/23/16 21:30	20
Pyrene	8600		3800	440	ug/Kg	☼	08/23/16 06:20	08/23/16 21:30	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	103		39 - 146	08/23/16 06:20	08/23/16 21:30	20
2-Fluorobiphenyl	83		37 - 120	08/23/16 06:20	08/23/16 21:30	20
2-Fluorophenol (Surr)	62		18 - 120	08/23/16 06:20	08/23/16 21:30	20
Nitrobenzene-d5 (Surr)	80		34 - 132	08/23/16 06:20	08/23/16 21:30	20
Phenol-d5 (Surr)	74		11 - 120	08/23/16 06:20	08/23/16 21:30	20
p-Terphenyl-d14 (Surr)	89		65 - 153	08/23/16 06:20	08/23/16 21:30	20

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		3.7	0.72	ug/Kg	☼	08/22/16 07:09	08/24/16 12:38	2
4,4'-DDE	ND		3.7	0.77	ug/Kg	☼	08/22/16 07:09	08/24/16 12:38	2
4,4'-DDT	4.6		3.7	0.86	ug/Kg	☼	08/22/16 07:09	08/24/16 12:38	2
Aldrin	3.2	J	3.7	0.91	ug/Kg	☼	08/22/16 07:09	08/24/16 12:38	2
alpha-BHC	1.3	J	3.7	0.66	ug/Kg	☼	08/22/16 07:09	08/24/16 12:38	2
alpha-Chlordane	4.0		3.7	1.8	ug/Kg	☼	08/22/16 07:09	08/24/16 12:38	2
beta-BHC	ND		3.7	0.66	ug/Kg	☼	08/22/16 07:09	08/24/16 12:38	2
delta-BHC	ND		3.7	0.69	ug/Kg	☼	08/22/16 07:09	08/24/16 12:38	2
Dieldrin	14	*	3.7	0.89	ug/Kg	☼	08/22/16 07:09	08/24/16 12:38	2
Endosulfan I	ND		3.7	0.71	ug/Kg	☼	08/22/16 07:09	08/24/16 12:38	2
Endosulfan II	ND		3.7	0.66	ug/Kg	☼	08/22/16 07:09	08/24/16 12:38	2
Endosulfan sulfate	ND		3.7	0.69	ug/Kg	☼	08/22/16 07:09	08/24/16 12:38	2
Endrin	ND		3.7	0.73	ug/Kg	☼	08/22/16 07:09	08/24/16 12:38	2
Endrin aldehyde	ND		3.7	0.94	ug/Kg	☼	08/22/16 07:09	08/24/16 12:38	2
Endrin ketone	ND		3.7	0.91	ug/Kg	☼	08/22/16 07:09	08/24/16 12:38	2
gamma-BHC (Lindane)	ND		3.7	0.68	ug/Kg	☼	08/22/16 07:09	08/24/16 12:38	2
gamma-Chlordane	ND		3.7	1.2	ug/Kg	☼	08/22/16 07:09	08/24/16 12:38	2
Heptachlor	ND		3.7	0.80	ug/Kg	☼	08/22/16 07:09	08/24/16 12:38	2

TestAmerica Buffalo

Client Sample Results

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Client Sample ID: SS-1-081716

Lab Sample ID: 480-104754-1

Date Collected: 08/17/16 10:45

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 88.7

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Heptachlor epoxide	ND		3.7	0.95	ug/Kg	☼	08/22/16 07:09	08/24/16 12:38	2
Methoxychlor	ND		3.7	0.75	ug/Kg	☼	08/22/16 07:09	08/24/16 12:38	2
Toxaphene	ND		37	21	ug/Kg	☼	08/22/16 07:09	08/24/16 12:38	2
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	X	45 - 120				08/22/16 07:09	08/24/16 12:38	2
Tetrachloro-m-xylene	74		30 - 124				08/22/16 07:09	08/24/16 12:38	2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.25	0.049	mg/Kg	☼	08/22/16 11:18	08/22/16 21:38	1
PCB-1221	ND		0.25	0.049	mg/Kg	☼	08/22/16 11:18	08/22/16 21:38	1
PCB-1232	ND		0.25	0.049	mg/Kg	☼	08/22/16 11:18	08/22/16 21:38	1
PCB-1242	ND		0.25	0.049	mg/Kg	☼	08/22/16 11:18	08/22/16 21:38	1
PCB-1248	ND		0.25	0.049	mg/Kg	☼	08/22/16 11:18	08/22/16 21:38	1
PCB-1254	ND		0.25	0.12	mg/Kg	☼	08/22/16 11:18	08/22/16 21:38	1
PCB-1260	ND		0.25	0.12	mg/Kg	☼	08/22/16 11:18	08/22/16 21:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	99		65 - 174				08/22/16 11:18	08/22/16 21:38	1
Tetrachloro-m-xylene	114		60 - 154				08/22/16 11:18	08/22/16 21:38	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		17.4	0.46	mg/Kg	☼	08/19/16 12:47	08/23/16 04:02	1
Arsenic	4.9		2.3	0.46	mg/Kg	☼	08/19/16 12:47	08/23/16 04:02	1
Beryllium	0.64		0.23	0.033	mg/Kg	☼	08/19/16 12:47	08/23/16 04:02	1
Cadmium	0.53		0.23	0.035	mg/Kg	☼	08/19/16 12:47	08/23/16 04:02	1
Chromium	22.0		0.58	0.23	mg/Kg	☼	08/19/16 12:47	08/23/16 04:02	1
Copper	167		1.2	0.24	mg/Kg	☼	08/19/16 12:47	08/23/16 04:02	1
Lead	366		1.2	0.28	mg/Kg	☼	08/19/16 12:47	08/23/16 04:02	1
Nickel	26.5		5.8	0.27	mg/Kg	☼	08/19/16 12:47	08/23/16 04:02	1
Selenium	ND		4.6	0.46	mg/Kg	☼	08/19/16 12:47	08/23/16 04:02	1
Silver	0.72		0.70	0.23	mg/Kg	☼	08/19/16 12:47	08/23/16 04:02	1
Thallium	ND		7.0	0.35	mg/Kg	☼	08/19/16 12:47	08/23/16 04:02	1
Zinc	316	B	2.3	0.74	mg/Kg	☼	08/19/16 12:47	08/23/16 04:02	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.15		0.021	0.0085	mg/Kg	☼	08/19/16 12:00	08/19/16 15:24	1

Client Sample ID: SS-2-081716

Lab Sample ID: 480-104754-2

Date Collected: 08/17/16 11:25

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 89.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		190	22	ug/Kg	☼	08/23/16 06:20	08/23/16 21:03	1
4-Methylphenol	ND		360	22	ug/Kg	☼	08/23/16 06:20	08/23/16 21:03	1
Acenaphthene	36	J	190	28	ug/Kg	☼	08/23/16 06:20	08/23/16 21:03	1
Acenaphthylene	71	J	190	24	ug/Kg	☼	08/23/16 06:20	08/23/16 21:03	1

TestAmerica Buffalo

Client Sample Results

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Client Sample ID: SS-2-081716

Lab Sample ID: 480-104754-2

Date Collected: 08/17/16 11:25

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 89.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	110	J	190	46	ug/Kg	☼	08/23/16 06:20	08/23/16 21:03	1
Benzo[a]anthracene	450		190	19	ug/Kg	☼	08/23/16 06:20	08/23/16 21:03	1
Benzo[a]pyrene	480		190	28	ug/Kg	☼	08/23/16 06:20	08/23/16 21:03	1
Benzo[b]fluoranthene	720		190	30	ug/Kg	☼	08/23/16 06:20	08/23/16 21:03	1
Benzo[g,h,i]perylene	430		190	20	ug/Kg	☼	08/23/16 06:20	08/23/16 21:03	1
Benzo[k]fluoranthene	280		190	24	ug/Kg	☼	08/23/16 06:20	08/23/16 21:03	1
Chrysene	550		190	42	ug/Kg	☼	08/23/16 06:20	08/23/16 21:03	1
Dibenz(a,h)anthracene	110	J	190	33	ug/Kg	☼	08/23/16 06:20	08/23/16 21:03	1
Fluoranthene	1000		190	20	ug/Kg	☼	08/23/16 06:20	08/23/16 21:03	1
Fluorene	42	J	190	22	ug/Kg	☼	08/23/16 06:20	08/23/16 21:03	1
Hexachlorobenzene	ND		190	25	ug/Kg	☼	08/23/16 06:20	08/23/16 21:03	1
Indeno[1,2,3-cd]pyrene	410		190	23	ug/Kg	☼	08/23/16 06:20	08/23/16 21:03	1
Naphthalene	36	J	190	24	ug/Kg	☼	08/23/16 06:20	08/23/16 21:03	1
Pentachlorophenol	ND		360	190	ug/Kg	☼	08/23/16 06:20	08/23/16 21:03	1
Phenanthrene	540		190	28	ug/Kg	☼	08/23/16 06:20	08/23/16 21:03	1
Phenol	ND		190	29	ug/Kg	☼	08/23/16 06:20	08/23/16 21:03	1
Pyrene	830		190	22	ug/Kg	☼	08/23/16 06:20	08/23/16 21:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	87		39 - 146	08/23/16 06:20	08/23/16 21:03	1
2-Fluorobiphenyl	80		37 - 120	08/23/16 06:20	08/23/16 21:03	1
2-Fluorophenol (Surr)	69		18 - 120	08/23/16 06:20	08/23/16 21:03	1
Nitrobenzene-d5 (Surr)	75		34 - 132	08/23/16 06:20	08/23/16 21:03	1
Phenol-d5 (Surr)	72		11 - 120	08/23/16 06:20	08/23/16 21:03	1
p-Terphenyl-d14 (Surr)	79		65 - 153	08/23/16 06:20	08/23/16 21:03	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND	F2	3.7	0.72	ug/Kg	☼	08/22/16 07:09	08/24/16 12:19	2
4,4'-DDE	2.2	J F2	3.7	0.77	ug/Kg	☼	08/22/16 07:09	08/24/16 12:19	2
4,4'-DDT	2.1	J	3.7	0.86	ug/Kg	☼	08/22/16 07:09	08/24/16 12:19	2
Aldrin	ND	F2	3.7	0.91	ug/Kg	☼	08/22/16 07:09	08/24/16 12:19	2
alpha-BHC	ND		3.7	0.66	ug/Kg	☼	08/22/16 07:09	08/24/16 12:19	2
alpha-Chlordane	ND	F2	3.7	1.8	ug/Kg	☼	08/22/16 07:09	08/24/16 12:19	2
beta-BHC	ND	F2	3.7	0.66	ug/Kg	☼	08/22/16 07:09	08/24/16 12:19	2
delta-BHC	ND		3.7	0.69	ug/Kg	☼	08/22/16 07:09	08/24/16 12:19	2
Dieldrin	3.5	J	3.7	0.88	ug/Kg	☼	08/22/16 07:09	08/24/16 12:19	2
Endosulfan I	ND		3.7	0.71	ug/Kg	☼	08/22/16 07:09	08/24/16 12:19	2
Endosulfan II	ND	F2	3.7	0.66	ug/Kg	☼	08/22/16 07:09	08/24/16 12:19	2
Endosulfan sulfate	ND		3.7	0.69	ug/Kg	☼	08/22/16 07:09	08/24/16 12:19	2
Endrin	ND		3.7	0.73	ug/Kg	☼	08/22/16 07:09	08/24/16 12:19	2
Endrin aldehyde	ND		3.7	0.94	ug/Kg	☼	08/22/16 07:09	08/24/16 12:19	2
Endrin ketone	ND		3.7	0.91	ug/Kg	☼	08/22/16 07:09	08/24/16 12:19	2
gamma-BHC (Lindane)	ND	F2	3.7	0.68	ug/Kg	☼	08/22/16 07:09	08/24/16 12:19	2
gamma-Chlordane	ND	F2	3.7	1.2	ug/Kg	☼	08/22/16 07:09	08/24/16 12:19	2
Heptachlor	ND		3.7	0.80	ug/Kg	☼	08/22/16 07:09	08/24/16 12:19	2
Heptachlor epoxide	ND	F2	3.7	0.95	ug/Kg	☼	08/22/16 07:09	08/24/16 12:19	2
Methoxychlor	ND	F2	3.7	0.75	ug/Kg	☼	08/22/16 07:09	08/24/16 12:19	2
Toxaphene	ND		37	21	ug/Kg	☼	08/22/16 07:09	08/24/16 12:19	2

TestAmerica Buffalo

Client Sample Results

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Client Sample ID: SS-2-081716

Lab Sample ID: 480-104754-2

Date Collected: 08/17/16 11:25

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 89.8

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	180	X	45 - 120	08/22/16 07:09	08/24/16 12:19	2
Tetrachloro-m-xylene	68		30 - 124	08/22/16 07:09	08/24/16 12:19	2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.26	0.050	mg/Kg	☼	08/22/16 11:18	08/22/16 21:23	1
PCB-1221	ND		0.26	0.050	mg/Kg	☼	08/22/16 11:18	08/22/16 21:23	1
PCB-1232	ND		0.26	0.050	mg/Kg	☼	08/22/16 11:18	08/22/16 21:23	1
PCB-1242	ND		0.26	0.050	mg/Kg	☼	08/22/16 11:18	08/22/16 21:23	1
PCB-1248	ND		0.26	0.050	mg/Kg	☼	08/22/16 11:18	08/22/16 21:23	1
PCB-1254	ND		0.26	0.12	mg/Kg	☼	08/22/16 11:18	08/22/16 21:23	1
PCB-1260	ND		0.26	0.12	mg/Kg	☼	08/22/16 11:18	08/22/16 21:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	94		65 - 174	08/22/16 11:18	08/22/16 21:23	1
Tetrachloro-m-xylene	108		60 - 154	08/22/16 11:18	08/22/16 21:23	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND	F1 F2	15.4	0.41	mg/Kg	☼	08/19/16 12:47	08/23/16 04:05	1
Arsenic	10.0		2.1	0.41	mg/Kg	☼	08/19/16 12:47	08/23/16 04:05	1
Beryllium	0.54		0.21	0.029	mg/Kg	☼	08/19/16 12:47	08/23/16 04:05	1
Cadmium	0.96		0.21	0.031	mg/Kg	☼	08/19/16 12:47	08/23/16 04:05	1
Chromium	15.1		0.51	0.21	mg/Kg	☼	08/19/16 12:47	08/23/16 04:05	1
Copper	34.3		1.0	0.22	mg/Kg	☼	08/19/16 12:47	08/23/16 04:05	1
Lead	99.8		1.0	0.25	mg/Kg	☼	08/19/16 12:47	08/23/16 04:05	1
Nickel	18.9		5.1	0.24	mg/Kg	☼	08/19/16 12:47	08/23/16 04:05	1
Selenium	ND		4.1	0.41	mg/Kg	☼	08/19/16 12:47	08/23/16 04:05	1
Silver	0.31	J	0.62	0.21	mg/Kg	☼	08/19/16 12:47	08/23/16 04:05	1
Thallium	ND		6.2	0.31	mg/Kg	☼	08/19/16 12:47	08/23/16 04:05	1
Zinc	287	B	2.1	0.66	mg/Kg	☼	08/19/16 12:47	08/23/16 04:05	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.059	F1	0.021	0.0087	mg/Kg	☼	08/19/16 12:00	08/19/16 15:26	1

Client Sample ID: SS-3-081716

Lab Sample ID: 480-104754-3

Date Collected: 08/17/16 11:55

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 89.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		940	110	ug/Kg	☼	08/23/16 06:20	08/23/16 21:57	5
4-Methylphenol	ND		1800	110	ug/Kg	☼	08/23/16 06:20	08/23/16 21:57	5
Acenaphthene	ND		940	140	ug/Kg	☼	08/23/16 06:20	08/23/16 21:57	5
Acenaphthylene	ND		940	120	ug/Kg	☼	08/23/16 06:20	08/23/16 21:57	5
Anthracene	290	J	940	230	ug/Kg	☼	08/23/16 06:20	08/23/16 21:57	5
Benzo[a]anthracene	1200		940	94	ug/Kg	☼	08/23/16 06:20	08/23/16 21:57	5
Benzo[a]pyrene	1100		940	140	ug/Kg	☼	08/23/16 06:20	08/23/16 21:57	5
Benzo[b]fluoranthene	1300		940	150	ug/Kg	☼	08/23/16 06:20	08/23/16 21:57	5
Benzo[g,h,i]perylene	810	J	940	99	ug/Kg	☼	08/23/16 06:20	08/23/16 21:57	5

TestAmerica Buffalo

Client Sample Results

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Client Sample ID: SS-3-081716

Lab Sample ID: 480-104754-3

Date Collected: 08/17/16 11:55

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 89.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	790	J	940	120	ug/Kg	☼	08/23/16 06:20	08/23/16 21:57	5
Chrysene	1300		940	210	ug/Kg	☼	08/23/16 06:20	08/23/16 21:57	5
Dibenz(a,h)anthracene	ND		940	170	ug/Kg	☼	08/23/16 06:20	08/23/16 21:57	5
Fluoranthene	2300		940	99	ug/Kg	☼	08/23/16 06:20	08/23/16 21:57	5
Fluorene	ND		940	110	ug/Kg	☼	08/23/16 06:20	08/23/16 21:57	5
Hexachlorobenzene	ND		940	130	ug/Kg	☼	08/23/16 06:20	08/23/16 21:57	5
Indeno[1,2,3-cd]pyrene	850	J	940	120	ug/Kg	☼	08/23/16 06:20	08/23/16 21:57	5
Naphthalene	ND		940	120	ug/Kg	☼	08/23/16 06:20	08/23/16 21:57	5
Pentachlorophenol	ND		1800	940	ug/Kg	☼	08/23/16 06:20	08/23/16 21:57	5
Phenanthrene	970		940	140	ug/Kg	☼	08/23/16 06:20	08/23/16 21:57	5
Phenol	ND		940	140	ug/Kg	☼	08/23/16 06:20	08/23/16 21:57	5
Pyrene	1800		940	110	ug/Kg	☼	08/23/16 06:20	08/23/16 21:57	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	76		39 - 146	08/23/16 06:20	08/23/16 21:57	5
2-Fluorobiphenyl	74		37 - 120	08/23/16 06:20	08/23/16 21:57	5
2-Fluorophenol (Surr)	69		18 - 120	08/23/16 06:20	08/23/16 21:57	5
Nitrobenzene-d5 (Surr)	74		34 - 132	08/23/16 06:20	08/23/16 21:57	5
Phenol-d5 (Surr)	71		11 - 120	08/23/16 06:20	08/23/16 21:57	5
p-Terphenyl-d14 (Surr)	81		65 - 153	08/23/16 06:20	08/23/16 21:57	5

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.8	0.36	ug/Kg	☼	08/22/16 07:09	08/24/16 12:58	1
4,4'-DDE	1.3	J	1.8	0.38	ug/Kg	☼	08/22/16 07:09	08/24/16 12:58	1
4,4'-DDT	1.7	J	1.8	0.43	ug/Kg	☼	08/22/16 07:09	08/24/16 12:58	1
Aldrin	ND		1.8	0.45	ug/Kg	☼	08/22/16 07:09	08/24/16 12:58	1
alpha-BHC	0.59	J	1.8	0.33	ug/Kg	☼	08/22/16 07:09	08/24/16 12:58	1
alpha-Chlordane	ND		1.8	0.91	ug/Kg	☼	08/22/16 07:09	08/24/16 12:58	1
beta-BHC	ND		1.8	0.33	ug/Kg	☼	08/22/16 07:09	08/24/16 12:58	1
delta-BHC	ND		1.8	0.34	ug/Kg	☼	08/22/16 07:09	08/24/16 12:58	1
Dieldrin	4.6		1.8	0.44	ug/Kg	☼	08/22/16 07:09	08/24/16 12:58	1
Endosulfan I	ND		1.8	0.35	ug/Kg	☼	08/22/16 07:09	08/24/16 12:58	1
Endosulfan II	ND		1.8	0.33	ug/Kg	☼	08/22/16 07:09	08/24/16 12:58	1
Endosulfan sulfate	ND		1.8	0.34	ug/Kg	☼	08/22/16 07:09	08/24/16 12:58	1
Endrin	ND		1.8	0.36	ug/Kg	☼	08/22/16 07:09	08/24/16 12:58	1
Endrin aldehyde	ND		1.8	0.47	ug/Kg	☼	08/22/16 07:09	08/24/16 12:58	1
Endrin ketone	ND		1.8	0.45	ug/Kg	☼	08/22/16 07:09	08/24/16 12:58	1
gamma-BHC (Lindane)	ND		1.8	0.34	ug/Kg	☼	08/22/16 07:09	08/24/16 12:58	1
gamma-Chlordane	ND		1.8	0.58	ug/Kg	☼	08/22/16 07:09	08/24/16 12:58	1
Heptachlor	ND		1.8	0.40	ug/Kg	☼	08/22/16 07:09	08/24/16 12:58	1
Heptachlor epoxide	ND		1.8	0.47	ug/Kg	☼	08/22/16 07:09	08/24/16 12:58	1
Methoxychlor	ND		1.8	0.37	ug/Kg	☼	08/22/16 07:09	08/24/16 12:58	1
Toxaphene	ND		18	11	ug/Kg	☼	08/22/16 07:09	08/24/16 12:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	106		45 - 120	08/22/16 07:09	08/24/16 12:58	1
Tetrachloro-m-xylene	61		30 - 124	08/22/16 07:09	08/24/16 12:58	1

TestAmerica Buffalo

Client Sample Results

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Client Sample ID: SS-3-081716

Lab Sample ID: 480-104754-3

Date Collected: 08/17/16 11:55

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 89.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.25	0.048	mg/Kg	☼	08/22/16 11:18	08/22/16 21:54	1
PCB-1221	ND		0.25	0.048	mg/Kg	☼	08/22/16 11:18	08/22/16 21:54	1
PCB-1232	ND		0.25	0.048	mg/Kg	☼	08/22/16 11:18	08/22/16 21:54	1
PCB-1242	ND		0.25	0.048	mg/Kg	☼	08/22/16 11:18	08/22/16 21:54	1
PCB-1248	ND		0.25	0.048	mg/Kg	☼	08/22/16 11:18	08/22/16 21:54	1
PCB-1254	ND		0.25	0.12	mg/Kg	☼	08/22/16 11:18	08/22/16 21:54	1
PCB-1260	ND		0.25	0.12	mg/Kg	☼	08/22/16 11:18	08/22/16 21:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	100		65 - 174	08/22/16 11:18	08/22/16 21:54	1
Tetrachloro-m-xylene	111		60 - 154	08/22/16 11:18	08/22/16 21:54	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		15.3	0.41	mg/Kg	☼	08/19/16 12:47	08/23/16 04:33	1
Arsenic	4.0		2.0	0.41	mg/Kg	☼	08/19/16 12:47	08/23/16 04:33	1
Beryllium	0.51		0.20	0.029	mg/Kg	☼	08/19/16 12:47	08/23/16 04:33	1
Cadmium	0.33		0.20	0.031	mg/Kg	☼	08/19/16 12:47	08/23/16 04:33	1
Chromium	16.2		0.51	0.20	mg/Kg	☼	08/19/16 12:47	08/23/16 04:33	1
Copper	26.9		1.0	0.21	mg/Kg	☼	08/19/16 12:47	08/23/16 04:33	1
Lead	46.4		1.0	0.24	mg/Kg	☼	08/19/16 12:47	08/23/16 04:33	1
Nickel	18.7		5.1	0.23	mg/Kg	☼	08/19/16 12:47	08/23/16 04:33	1
Selenium	ND		4.1	0.41	mg/Kg	☼	08/19/16 12:47	08/23/16 04:33	1
Silver	0.23	J	0.61	0.20	mg/Kg	☼	08/19/16 12:47	08/23/16 04:33	1
Thallium	ND		6.1	0.31	mg/Kg	☼	08/19/16 12:47	08/23/16 04:33	1
Zinc	84.7	B	2.0	0.65	mg/Kg	☼	08/19/16 12:47	08/23/16 04:33	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.034		0.023	0.0093	mg/Kg	☼	08/19/16 12:00	08/19/16 15:40	1

Client Sample ID: SS-DUP1-081716

Lab Sample ID: 480-104754-4

Date Collected: 08/17/16 00:00

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 90.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		930	110	ug/Kg	☼	08/23/16 06:20	08/23/16 22:24	5
4-Methylphenol	ND		1800	110	ug/Kg	☼	08/23/16 06:20	08/23/16 22:24	5
Acenaphthene	170	J	930	140	ug/Kg	☼	08/23/16 06:20	08/23/16 22:24	5
Acenaphthylene	ND		930	120	ug/Kg	☼	08/23/16 06:20	08/23/16 22:24	5
Anthracene	450	J	930	230	ug/Kg	☼	08/23/16 06:20	08/23/16 22:24	5
Benzo[a]anthracene	1300		930	93	ug/Kg	☼	08/23/16 06:20	08/23/16 22:24	5
Benzo[a]pyrene	1300		930	140	ug/Kg	☼	08/23/16 06:20	08/23/16 22:24	5
Benzo[b]fluoranthene	1600		930	150	ug/Kg	☼	08/23/16 06:20	08/23/16 22:24	5
Benzo[g,h,i]perylene	1100		930	98	ug/Kg	☼	08/23/16 06:20	08/23/16 22:24	5
Benzo[k]fluoranthene	870	J	930	120	ug/Kg	☼	08/23/16 06:20	08/23/16 22:24	5
Chrysene	1400		930	210	ug/Kg	☼	08/23/16 06:20	08/23/16 22:24	5
Dibenz(a,h)anthracene	290	J	930	160	ug/Kg	☼	08/23/16 06:20	08/23/16 22:24	5
Fluoranthene	3100		930	98	ug/Kg	☼	08/23/16 06:20	08/23/16 22:24	5

TestAmerica Buffalo

Client Sample Results

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Client Sample ID: SS-DUP1-081716

Lab Sample ID: 480-104754-4

Date Collected: 08/17/16 00:00

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 90.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	140	J	930	110	ug/Kg	☼	08/23/16 06:20	08/23/16 22:24	5
Hexachlorobenzene	ND		930	130	ug/Kg	☼	08/23/16 06:20	08/23/16 22:24	5
Indeno[1,2,3-cd]pyrene	1100		930	110	ug/Kg	☼	08/23/16 06:20	08/23/16 22:24	5
Naphthalene	ND		930	120	ug/Kg	☼	08/23/16 06:20	08/23/16 22:24	5
Pentachlorophenol	ND		1800	930	ug/Kg	☼	08/23/16 06:20	08/23/16 22:24	5
Phenanthrene	1600		930	140	ug/Kg	☼	08/23/16 06:20	08/23/16 22:24	5
Phenol	ND		930	140	ug/Kg	☼	08/23/16 06:20	08/23/16 22:24	5
Pyrene	2500		930	110	ug/Kg	☼	08/23/16 06:20	08/23/16 22:24	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	89		39 - 146				08/23/16 06:20	08/23/16 22:24	5
2-Fluorobiphenyl	85		37 - 120				08/23/16 06:20	08/23/16 22:24	5
2-Fluorophenol (Surr)	70		18 - 120				08/23/16 06:20	08/23/16 22:24	5
Nitrobenzene-d5 (Surr)	78		34 - 132				08/23/16 06:20	08/23/16 22:24	5
Phenol-d5 (Surr)	77		11 - 120				08/23/16 06:20	08/23/16 22:24	5
p-Terphenyl-d14 (Surr)	92		65 - 153				08/23/16 06:20	08/23/16 22:24	5

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.8	0.35	ug/Kg	☼	08/22/16 07:09	08/24/16 13:17	1
4,4'-DDE	1.4	J	1.8	0.37	ug/Kg	☼	08/22/16 07:09	08/24/16 13:17	1
4,4'-DDT	1.7	J	1.8	0.42	ug/Kg	☼	08/22/16 07:09	08/24/16 13:17	1
Aldrin	ND		1.8	0.44	ug/Kg	☼	08/22/16 07:09	08/24/16 13:17	1
alpha-BHC	ND		1.8	0.32	ug/Kg	☼	08/22/16 07:09	08/24/16 13:17	1
alpha-Chlordane	ND		1.8	0.89	ug/Kg	☼	08/22/16 07:09	08/24/16 13:17	1
beta-BHC	ND		1.8	0.32	ug/Kg	☼	08/22/16 07:09	08/24/16 13:17	1
delta-BHC	ND		1.8	0.33	ug/Kg	☼	08/22/16 07:09	08/24/16 13:17	1
Dieldrin	5.0		1.8	0.43	ug/Kg	☼	08/22/16 07:09	08/24/16 13:17	1
Endosulfan I	ND		1.8	0.34	ug/Kg	☼	08/22/16 07:09	08/24/16 13:17	1
Endosulfan II	ND		1.8	0.32	ug/Kg	☼	08/22/16 07:09	08/24/16 13:17	1
Endosulfan sulfate	ND		1.8	0.33	ug/Kg	☼	08/22/16 07:09	08/24/16 13:17	1
Endrin	ND		1.8	0.35	ug/Kg	☼	08/22/16 07:09	08/24/16 13:17	1
Endrin aldehyde	ND		1.8	0.45	ug/Kg	☼	08/22/16 07:09	08/24/16 13:17	1
Endrin ketone	ND		1.8	0.44	ug/Kg	☼	08/22/16 07:09	08/24/16 13:17	1
gamma-BHC (Lindane)	ND		1.8	0.33	ug/Kg	☼	08/22/16 07:09	08/24/16 13:17	1
gamma-Chlordane	ND		1.8	0.57	ug/Kg	☼	08/22/16 07:09	08/24/16 13:17	1
Heptachlor	ND		1.8	0.39	ug/Kg	☼	08/22/16 07:09	08/24/16 13:17	1
Heptachlor epoxide	ND		1.8	0.46	ug/Kg	☼	08/22/16 07:09	08/24/16 13:17	1
Methoxychlor	ND		1.8	0.36	ug/Kg	☼	08/22/16 07:09	08/24/16 13:17	1
Toxaphene	ND		18	10	ug/Kg	☼	08/22/16 07:09	08/24/16 13:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	124	X	45 - 120				08/22/16 07:09	08/24/16 13:17	1
Tetrachloro-m-xylene	67		30 - 124				08/22/16 07:09	08/24/16 13:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.25	0.049	mg/Kg	☼	08/22/16 11:18	08/22/16 22:09	1
PCB-1221	ND		0.25	0.049	mg/Kg	☼	08/22/16 11:18	08/22/16 22:09	1
PCB-1232	ND		0.25	0.049	mg/Kg	☼	08/22/16 11:18	08/22/16 22:09	1

TestAmerica Buffalo

Client Sample Results

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Client Sample ID: SS-DUP1-081716

Lab Sample ID: 480-104754-4

Date Collected: 08/17/16 00:00

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 90.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1242	ND		0.25	0.049	mg/Kg	☼	08/22/16 11:18	08/22/16 22:09	1
PCB-1248	ND		0.25	0.049	mg/Kg	☼	08/22/16 11:18	08/22/16 22:09	1
PCB-1254	ND		0.25	0.12	mg/Kg	☼	08/22/16 11:18	08/22/16 22:09	1
PCB-1260	ND		0.25	0.12	mg/Kg	☼	08/22/16 11:18	08/22/16 22:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	103		65 - 174				08/22/16 11:18	08/22/16 22:09	1
Tetrachloro-m-xylene	117		60 - 154				08/22/16 11:18	08/22/16 22:09	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		16.7	0.44	mg/Kg	☼	08/19/16 12:47	08/23/16 04:37	1
Arsenic	4.2		2.2	0.44	mg/Kg	☼	08/19/16 12:47	08/23/16 04:37	1
Beryllium	0.57		0.22	0.031	mg/Kg	☼	08/19/16 12:47	08/23/16 04:37	1
Cadmium	0.34		0.22	0.033	mg/Kg	☼	08/19/16 12:47	08/23/16 04:37	1
Chromium	18.2		0.56	0.22	mg/Kg	☼	08/19/16 12:47	08/23/16 04:37	1
Copper	27.8		1.1	0.23	mg/Kg	☼	08/19/16 12:47	08/23/16 04:37	1
Lead	41.7		1.1	0.27	mg/Kg	☼	08/19/16 12:47	08/23/16 04:37	1
Nickel	21.0		5.6	0.26	mg/Kg	☼	08/19/16 12:47	08/23/16 04:37	1
Selenium	ND		4.4	0.44	mg/Kg	☼	08/19/16 12:47	08/23/16 04:37	1
Silver	0.29	J	0.67	0.22	mg/Kg	☼	08/19/16 12:47	08/23/16 04:37	1
Thallium	ND		6.7	0.33	mg/Kg	☼	08/19/16 12:47	08/23/16 04:37	1
Zinc	84.5	B	2.2	0.71	mg/Kg	☼	08/19/16 12:47	08/23/16 04:37	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.031		0.020	0.0081	mg/Kg	☼	08/19/16 12:00	08/19/16 15:42	1

Client Sample ID: SS-4-081716

Lab Sample ID: 480-104754-5

Date Collected: 08/17/16 12:25

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 88.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		960	110	ug/Kg	☼	08/23/16 06:20	08/23/16 22:52	5
4-Methylphenol	ND		1900	110	ug/Kg	☼	08/23/16 06:20	08/23/16 22:52	5
Acenaphthene	ND		960	140	ug/Kg	☼	08/23/16 06:20	08/23/16 22:52	5
Acenaphthylene	ND		960	120	ug/Kg	☼	08/23/16 06:20	08/23/16 22:52	5
Anthracene	ND		960	240	ug/Kg	☼	08/23/16 06:20	08/23/16 22:52	5
Benzo[a]anthracene	430	J	960	96	ug/Kg	☼	08/23/16 06:20	08/23/16 22:52	5
Benzo[a]pyrene	480	J	960	140	ug/Kg	☼	08/23/16 06:20	08/23/16 22:52	5
Benzo[b]fluoranthene	640	J	960	150	ug/Kg	☼	08/23/16 06:20	08/23/16 22:52	5
Benzo[g,h,i]perylene	450	J	960	100	ug/Kg	☼	08/23/16 06:20	08/23/16 22:52	5
Benzo[k]fluoranthene	320	J	960	120	ug/Kg	☼	08/23/16 06:20	08/23/16 22:52	5
Chrysene	480	J	960	210	ug/Kg	☼	08/23/16 06:20	08/23/16 22:52	5
Dibenz(a,h)anthracene	ND		960	170	ug/Kg	☼	08/23/16 06:20	08/23/16 22:52	5
Fluoranthene	860	J	960	100	ug/Kg	☼	08/23/16 06:20	08/23/16 22:52	5
Fluorene	ND		960	110	ug/Kg	☼	08/23/16 06:20	08/23/16 22:52	5
Hexachlorobenzene	ND		960	130	ug/Kg	☼	08/23/16 06:20	08/23/16 22:52	5
Indeno[1,2,3-cd]pyrene	520	J	960	120	ug/Kg	☼	08/23/16 06:20	08/23/16 22:52	5

TestAmerica Buffalo

Client Sample Results

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Client Sample ID: SS-4-081716

Lab Sample ID: 480-104754-5

Date Collected: 08/17/16 12:25

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 88.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		960	120	ug/Kg	☼	08/23/16 06:20	08/23/16 22:52	5
Pentachlorophenol	ND		1900	960	ug/Kg	☼	08/23/16 06:20	08/23/16 22:52	5
Phenanthrene	380	J	960	140	ug/Kg	☼	08/23/16 06:20	08/23/16 22:52	5
Phenol	ND		960	150	ug/Kg	☼	08/23/16 06:20	08/23/16 22:52	5
Pyrene	710	J	960	110	ug/Kg	☼	08/23/16 06:20	08/23/16 22:52	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	85		39 - 146				08/23/16 06:20	08/23/16 22:52	5
2-Fluorobiphenyl	75		37 - 120				08/23/16 06:20	08/23/16 22:52	5
2-Fluorophenol (Surr)	63		18 - 120				08/23/16 06:20	08/23/16 22:52	5
Nitrobenzene-d5 (Surr)	71		34 - 132				08/23/16 06:20	08/23/16 22:52	5
Phenol-d5 (Surr)	67		11 - 120				08/23/16 06:20	08/23/16 22:52	5
p-Terphenyl-d14 (Surr)	81		65 - 153				08/23/16 06:20	08/23/16 22:52	5

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.9	0.37	ug/Kg	☼	08/22/16 07:09	08/24/16 13:37	1
4,4'-DDE	1.3	J	1.9	0.40	ug/Kg	☼	08/22/16 07:09	08/24/16 13:37	1
4,4'-DDT	1.7	J	1.9	0.44	ug/Kg	☼	08/22/16 07:09	08/24/16 13:37	1
Aldrin	ND		1.9	0.46	ug/Kg	☼	08/22/16 07:09	08/24/16 13:37	1
alpha-BHC	ND		1.9	0.34	ug/Kg	☼	08/22/16 07:09	08/24/16 13:37	1
alpha-Chlordane	ND		1.9	0.94	ug/Kg	☼	08/22/16 07:09	08/24/16 13:37	1
beta-BHC	ND		1.9	0.34	ug/Kg	☼	08/22/16 07:09	08/24/16 13:37	1
delta-BHC	ND		1.9	0.35	ug/Kg	☼	08/22/16 07:09	08/24/16 13:37	1
Dieldrin	11		1.9	0.45	ug/Kg	☼	08/22/16 07:09	08/24/16 13:37	1
Endosulfan I	ND		1.9	0.36	ug/Kg	☼	08/22/16 07:09	08/24/16 13:37	1
Endosulfan II	ND		1.9	0.34	ug/Kg	☼	08/22/16 07:09	08/24/16 13:37	1
Endosulfan sulfate	ND		1.9	0.35	ug/Kg	☼	08/22/16 07:09	08/24/16 13:37	1
Endrin	ND		1.9	0.37	ug/Kg	☼	08/22/16 07:09	08/24/16 13:37	1
Endrin aldehyde	ND		1.9	0.48	ug/Kg	☼	08/22/16 07:09	08/24/16 13:37	1
Endrin ketone	ND		1.9	0.46	ug/Kg	☼	08/22/16 07:09	08/24/16 13:37	1
gamma-BHC (Lindane)	ND		1.9	0.35	ug/Kg	☼	08/22/16 07:09	08/24/16 13:37	1
gamma-Chlordane	ND		1.9	0.60	ug/Kg	☼	08/22/16 07:09	08/24/16 13:37	1
Heptachlor	ND		1.9	0.41	ug/Kg	☼	08/22/16 07:09	08/24/16 13:37	1
Heptachlor epoxide	ND		1.9	0.49	ug/Kg	☼	08/22/16 07:09	08/24/16 13:37	1
Methoxychlor	ND		1.9	0.39	ug/Kg	☼	08/22/16 07:09	08/24/16 13:37	1
Toxaphene	ND		19	11	ug/Kg	☼	08/22/16 07:09	08/24/16 13:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	184	X	45 - 120				08/22/16 07:09	08/24/16 13:37	1
Tetrachloro-m-xylene	65		30 - 124				08/22/16 07:09	08/24/16 13:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.26	0.051	mg/Kg	☼	08/22/16 11:18	08/22/16 22:24	1
PCB-1221	ND		0.26	0.051	mg/Kg	☼	08/22/16 11:18	08/22/16 22:24	1
PCB-1232	ND		0.26	0.051	mg/Kg	☼	08/22/16 11:18	08/22/16 22:24	1
PCB-1242	ND		0.26	0.051	mg/Kg	☼	08/22/16 11:18	08/22/16 22:24	1
PCB-1248	ND		0.26	0.051	mg/Kg	☼	08/22/16 11:18	08/22/16 22:24	1
PCB-1254	ND		0.26	0.12	mg/Kg	☼	08/22/16 11:18	08/22/16 22:24	1

TestAmerica Buffalo

Client Sample Results

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Client Sample ID: SS-4-081716

Lab Sample ID: 480-104754-5

Date Collected: 08/17/16 12:25

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 88.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1260	ND		0.26	0.12	mg/Kg	☼	08/22/16 11:18	08/22/16 22:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	91		65 - 174				08/22/16 11:18	08/22/16 22:24	1
Tetrachloro-m-xylene	108		60 - 154				08/22/16 11:18	08/22/16 22:24	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		17.4	0.46	mg/Kg	☼	08/19/16 12:47	08/23/16 04:40	1
Arsenic	8.4		2.3	0.46	mg/Kg	☼	08/19/16 12:47	08/23/16 04:40	1
Beryllium	0.76		0.23	0.033	mg/Kg	☼	08/19/16 12:47	08/23/16 04:40	1
Cadmium	0.90		0.23	0.035	mg/Kg	☼	08/19/16 12:47	08/23/16 04:40	1
Chromium	21.8		0.58	0.23	mg/Kg	☼	08/19/16 12:47	08/23/16 04:40	1
Copper	33.8		1.2	0.24	mg/Kg	☼	08/19/16 12:47	08/23/16 04:40	1
Lead	82.6		1.2	0.28	mg/Kg	☼	08/19/16 12:47	08/23/16 04:40	1
Nickel	25.9		5.8	0.27	mg/Kg	☼	08/19/16 12:47	08/23/16 04:40	1
Selenium	0.79 J		4.6	0.46	mg/Kg	☼	08/19/16 12:47	08/23/16 04:40	1
Silver	0.34 J		0.70	0.23	mg/Kg	☼	08/19/16 12:47	08/23/16 04:40	1
Thallium	ND		7.0	0.35	mg/Kg	☼	08/19/16 12:47	08/23/16 04:40	1
Zinc	217 B		2.3	0.74	mg/Kg	☼	08/19/16 12:47	08/23/16 04:40	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.062		0.022	0.0091	mg/Kg	☼	08/19/16 12:00	08/19/16 15:44	1

Client Sample ID: SS-5-081716

Lab Sample ID: 480-104754-6

Date Collected: 08/17/16 12:50

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 83.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		200	24	ug/Kg	☼	08/23/16 06:20	08/23/16 23:19	1
4-Methylphenol	ND		390	24	ug/Kg	☼	08/23/16 06:20	08/23/16 23:19	1
Acenaphthene	ND		200	29	ug/Kg	☼	08/23/16 06:20	08/23/16 23:19	1
Acenaphthylene	ND		200	26	ug/Kg	☼	08/23/16 06:20	08/23/16 23:19	1
Anthracene	ND		200	49	ug/Kg	☼	08/23/16 06:20	08/23/16 23:19	1
Benzo[a]anthracene	88 J		200	20	ug/Kg	☼	08/23/16 06:20	08/23/16 23:19	1
Benzo[a]pyrene	93 J		200	29	ug/Kg	☼	08/23/16 06:20	08/23/16 23:19	1
Benzo[b]fluoranthene	130 J		200	32	ug/Kg	☼	08/23/16 06:20	08/23/16 23:19	1
Benzo[g,h,i]perylene	96 J		200	21	ug/Kg	☼	08/23/16 06:20	08/23/16 23:19	1
Benzo[k]fluoranthene	64 J		200	26	ug/Kg	☼	08/23/16 06:20	08/23/16 23:19	1
Chrysene	110 J		200	45	ug/Kg	☼	08/23/16 06:20	08/23/16 23:19	1
Dibenz(a,h)anthracene	ND		200	35	ug/Kg	☼	08/23/16 06:20	08/23/16 23:19	1
Fluoranthene	170 J		200	21	ug/Kg	☼	08/23/16 06:20	08/23/16 23:19	1
Fluorene	ND		200	24	ug/Kg	☼	08/23/16 06:20	08/23/16 23:19	1
Hexachlorobenzene	ND		200	27	ug/Kg	☼	08/23/16 06:20	08/23/16 23:19	1
Indeno[1,2,3-cd]pyrene	110 J		200	25	ug/Kg	☼	08/23/16 06:20	08/23/16 23:19	1
Naphthalene	ND		200	26	ug/Kg	☼	08/23/16 06:20	08/23/16 23:19	1
Pentachlorophenol	ND		390	200	ug/Kg	☼	08/23/16 06:20	08/23/16 23:19	1
Phenanthrene	78 J		200	29	ug/Kg	☼	08/23/16 06:20	08/23/16 23:19	1

TestAmerica Buffalo

Client Sample Results

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Client Sample ID: SS-5-081716

Lab Sample ID: 480-104754-6

Date Collected: 08/17/16 12:50

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 83.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		200	31	ug/Kg	☼	08/23/16 06:20	08/23/16 23:19	1
Pyrene	150	J	200	24	ug/Kg	☼	08/23/16 06:20	08/23/16 23:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	79		39 - 146				08/23/16 06:20	08/23/16 23:19	1
2-Fluorobiphenyl	75		37 - 120				08/23/16 06:20	08/23/16 23:19	1
2-Fluorophenol (Surr)	64		18 - 120				08/23/16 06:20	08/23/16 23:19	1
Nitrobenzene-d5 (Surr)	75		34 - 132				08/23/16 06:20	08/23/16 23:19	1
Phenol-d5 (Surr)	64		11 - 120				08/23/16 06:20	08/23/16 23:19	1
p-Terphenyl-d14 (Surr)	83		65 - 153				08/23/16 06:20	08/23/16 23:19	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.74	J	2.0	0.38	ug/Kg	☼	08/22/16 07:09	08/24/16 13:56	1
4,4'-DDE	8.0		2.0	0.41	ug/Kg	☼	08/22/16 07:09	08/24/16 13:56	1
4,4'-DDT	4.0		2.0	0.46	ug/Kg	☼	08/22/16 07:09	08/24/16 13:56	1
Aldrin	ND		2.0	0.48	ug/Kg	☼	08/22/16 07:09	08/24/16 13:56	1
alpha-BHC	ND		2.0	0.35	ug/Kg	☼	08/22/16 07:09	08/24/16 13:56	1
alpha-Chlordane	ND		2.0	0.97	ug/Kg	☼	08/22/16 07:09	08/24/16 13:56	1
beta-BHC	ND		2.0	0.35	ug/Kg	☼	08/22/16 07:09	08/24/16 13:56	1
delta-BHC	ND		2.0	0.36	ug/Kg	☼	08/22/16 07:09	08/24/16 13:56	1
Dieldrin	3.1		2.0	0.47	ug/Kg	☼	08/22/16 07:09	08/24/16 13:56	1
Endosulfan I	ND		2.0	0.37	ug/Kg	☼	08/22/16 07:09	08/24/16 13:56	1
Endosulfan II	ND		2.0	0.35	ug/Kg	☼	08/22/16 07:09	08/24/16 13:56	1
Endosulfan sulfate	ND		2.0	0.36	ug/Kg	☼	08/22/16 07:09	08/24/16 13:56	1
Endrin	ND		2.0	0.39	ug/Kg	☼	08/22/16 07:09	08/24/16 13:56	1
Endrin aldehyde	ND		2.0	0.50	ug/Kg	☼	08/22/16 07:09	08/24/16 13:56	1
Endrin ketone	ND		2.0	0.48	ug/Kg	☼	08/22/16 07:09	08/24/16 13:56	1
gamma-BHC (Lindane)	ND		2.0	0.36	ug/Kg	☼	08/22/16 07:09	08/24/16 13:56	1
gamma-Chlordane	ND		2.0	0.62	ug/Kg	☼	08/22/16 07:09	08/24/16 13:56	1
Heptachlor	ND		2.0	0.42	ug/Kg	☼	08/22/16 07:09	08/24/16 13:56	1
Heptachlor epoxide	ND		2.0	0.50	ug/Kg	☼	08/22/16 07:09	08/24/16 13:56	1
Methoxychlor	ND		2.0	0.40	ug/Kg	☼	08/22/16 07:09	08/24/16 13:56	1
Toxaphene	ND		20	11	ug/Kg	☼	08/22/16 07:09	08/24/16 13:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	97		45 - 120				08/22/16 07:09	08/24/16 13:56	1
Tetrachloro-m-xylene	64		30 - 124				08/22/16 07:09	08/24/16 13:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.24	0.048	mg/Kg	☼	08/22/16 11:18	08/22/16 22:40	1
PCB-1221	ND		0.24	0.048	mg/Kg	☼	08/22/16 11:18	08/22/16 22:40	1
PCB-1232	ND		0.24	0.048	mg/Kg	☼	08/22/16 11:18	08/22/16 22:40	1
PCB-1242	ND		0.24	0.048	mg/Kg	☼	08/22/16 11:18	08/22/16 22:40	1
PCB-1248	ND		0.24	0.048	mg/Kg	☼	08/22/16 11:18	08/22/16 22:40	1
PCB-1254	ND		0.24	0.11	mg/Kg	☼	08/22/16 11:18	08/22/16 22:40	1
PCB-1260	ND		0.24	0.11	mg/Kg	☼	08/22/16 11:18	08/22/16 22:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	97		65 - 174				08/22/16 11:18	08/22/16 22:40	1

TestAmerica Buffalo

Client Sample Results

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Client Sample ID: SS-5-081716

Lab Sample ID: 480-104754-6

Date Collected: 08/17/16 12:50

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 83.3

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	109		60 - 154	08/22/16 11:18	08/22/16 22:40	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		17.8	0.47	mg/Kg	☼	08/19/16 12:47	08/23/16 04:43	1
Arsenic	9.6		2.4	0.47	mg/Kg	☼	08/19/16 12:47	08/23/16 04:43	1
Beryllium	0.89		0.24	0.033	mg/Kg	☼	08/19/16 12:47	08/23/16 04:43	1
Cadmium	1.2		0.24	0.036	mg/Kg	☼	08/19/16 12:47	08/23/16 04:43	1
Chromium	23.4		0.59	0.24	mg/Kg	☼	08/19/16 12:47	08/23/16 04:43	1
Copper	28.1		1.2	0.25	mg/Kg	☼	08/19/16 12:47	08/23/16 04:43	1
Lead	62.9		1.2	0.28	mg/Kg	☼	08/19/16 12:47	08/23/16 04:43	1
Nickel	31.2		5.9	0.27	mg/Kg	☼	08/19/16 12:47	08/23/16 04:43	1
Selenium	ND		4.7	0.47	mg/Kg	☼	08/19/16 12:47	08/23/16 04:43	1
Silver	0.45	J	0.71	0.24	mg/Kg	☼	08/19/16 12:47	08/23/16 04:43	1
Thallium	ND		7.1	0.36	mg/Kg	☼	08/19/16 12:47	08/23/16 04:43	1
Zinc	291	B	2.4	0.76	mg/Kg	☼	08/19/16 12:47	08/23/16 04:43	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.064		0.024	0.0097	mg/Kg	☼	08/19/16 12:00	08/19/16 15:45	1

Client Sample ID: SS-6-081716

Lab Sample ID: 480-104754-7

Date Collected: 08/17/16 13:10

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 83.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		200	24	ug/Kg	☼	08/23/16 06:20	08/23/16 23:45	1
4-Methylphenol	ND		400	24	ug/Kg	☼	08/23/16 06:20	08/23/16 23:45	1
Acenaphthene	ND		200	30	ug/Kg	☼	08/23/16 06:20	08/23/16 23:45	1
Acenaphthylene	ND		200	26	ug/Kg	☼	08/23/16 06:20	08/23/16 23:45	1
Anthracene	ND		200	50	ug/Kg	☼	08/23/16 06:20	08/23/16 23:45	1
Benzo[a]anthracene	88	J	200	20	ug/Kg	☼	08/23/16 06:20	08/23/16 23:45	1
Benzo[a]pyrene	85	J	200	30	ug/Kg	☼	08/23/16 06:20	08/23/16 23:45	1
Benzo[b]fluoranthene	120	J	200	32	ug/Kg	☼	08/23/16 06:20	08/23/16 23:45	1
Benzo[g,h,i]perylene	83	J	200	22	ug/Kg	☼	08/23/16 06:20	08/23/16 23:45	1
Benzo[k]fluoranthene	58	J	200	26	ug/Kg	☼	08/23/16 06:20	08/23/16 23:45	1
Chrysene	110	J	200	45	ug/Kg	☼	08/23/16 06:20	08/23/16 23:45	1
Dibenz(a,h)anthracene	ND		200	36	ug/Kg	☼	08/23/16 06:20	08/23/16 23:45	1
Fluoranthene	170	J	200	22	ug/Kg	☼	08/23/16 06:20	08/23/16 23:45	1
Fluorene	ND		200	24	ug/Kg	☼	08/23/16 06:20	08/23/16 23:45	1
Hexachlorobenzene	ND		200	28	ug/Kg	☼	08/23/16 06:20	08/23/16 23:45	1
Indeno[1,2,3-cd]pyrene	94	J	200	25	ug/Kg	☼	08/23/16 06:20	08/23/16 23:45	1
Naphthalene	ND		200	26	ug/Kg	☼	08/23/16 06:20	08/23/16 23:45	1
Pentachlorophenol	ND		400	200	ug/Kg	☼	08/23/16 06:20	08/23/16 23:45	1
Phenanthrene	90	J	200	30	ug/Kg	☼	08/23/16 06:20	08/23/16 23:45	1
Phenol	ND		200	31	ug/Kg	☼	08/23/16 06:20	08/23/16 23:45	1
Pyrene	150	J	200	24	ug/Kg	☼	08/23/16 06:20	08/23/16 23:45	1

TestAmerica Buffalo

Client Sample Results

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Client Sample ID: SS-6-081716

Lab Sample ID: 480-104754-7

Date Collected: 08/17/16 13:10

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 83.2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	81		39 - 146	08/23/16 06:20	08/23/16 23:45	1
2-Fluorobiphenyl	75		37 - 120	08/23/16 06:20	08/23/16 23:45	1
2-Fluorophenol (Surr)	64		18 - 120	08/23/16 06:20	08/23/16 23:45	1
Nitrobenzene-d5 (Surr)	73		34 - 132	08/23/16 06:20	08/23/16 23:45	1
Phenol-d5 (Surr)	67		11 - 120	08/23/16 06:20	08/23/16 23:45	1
p-Terphenyl-d14 (Surr)	78		65 - 153	08/23/16 06:20	08/23/16 23:45	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		2.0	0.39	ug/Kg	☒	08/22/16 07:09	08/24/16 14:16	1
4,4'-DDE	5.8		2.0	0.42	ug/Kg	☒	08/22/16 07:09	08/24/16 14:16	1
4,4'-DDT	3.3		2.0	0.47	ug/Kg	☒	08/22/16 07:09	08/24/16 14:16	1
Aldrin	ND		2.0	0.49	ug/Kg	☒	08/22/16 07:09	08/24/16 14:16	1
alpha-BHC	ND		2.0	0.36	ug/Kg	☒	08/22/16 07:09	08/24/16 14:16	1
alpha-Chlordane	ND		2.0	0.99	ug/Kg	☒	08/22/16 07:09	08/24/16 14:16	1
beta-BHC	ND		2.0	0.36	ug/Kg	☒	08/22/16 07:09	08/24/16 14:16	1
delta-BHC	ND		2.0	0.37	ug/Kg	☒	08/22/16 07:09	08/24/16 14:16	1
Dieldrin	4.0		2.0	0.48	ug/Kg	☒	08/22/16 07:09	08/24/16 14:16	1
Endosulfan I	ND		2.0	0.38	ug/Kg	☒	08/22/16 07:09	08/24/16 14:16	1
Endosulfan II	ND		2.0	0.36	ug/Kg	☒	08/22/16 07:09	08/24/16 14:16	1
Endosulfan sulfate	ND		2.0	0.37	ug/Kg	☒	08/22/16 07:09	08/24/16 14:16	1
Endrin	ND		2.0	0.39	ug/Kg	☒	08/22/16 07:09	08/24/16 14:16	1
Endrin aldehyde	ND		2.0	0.51	ug/Kg	☒	08/22/16 07:09	08/24/16 14:16	1
Endrin ketone	ND		2.0	0.49	ug/Kg	☒	08/22/16 07:09	08/24/16 14:16	1
gamma-BHC (Lindane)	ND		2.0	0.37	ug/Kg	☒	08/22/16 07:09	08/24/16 14:16	1
gamma-Chlordane	ND		2.0	0.63	ug/Kg	☒	08/22/16 07:09	08/24/16 14:16	1
Heptachlor	ND		2.0	0.43	ug/Kg	☒	08/22/16 07:09	08/24/16 14:16	1
Heptachlor epoxide	ND		2.0	0.51	ug/Kg	☒	08/22/16 07:09	08/24/16 14:16	1
Methoxychlor	ND		2.0	0.41	ug/Kg	☒	08/22/16 07:09	08/24/16 14:16	1
Toxaphene	ND		20	12	ug/Kg	☒	08/22/16 07:09	08/24/16 14:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	137	X	45 - 120	08/22/16 07:09	08/24/16 14:16	1
Tetrachloro-m-xylene	59		30 - 124	08/22/16 07:09	08/24/16 14:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.22	0.044	mg/Kg	☒	08/22/16 11:18	08/22/16 22:55	1
PCB-1221	ND		0.22	0.044	mg/Kg	☒	08/22/16 11:18	08/22/16 22:55	1
PCB-1232	ND		0.22	0.044	mg/Kg	☒	08/22/16 11:18	08/22/16 22:55	1
PCB-1242	ND		0.22	0.044	mg/Kg	☒	08/22/16 11:18	08/22/16 22:55	1
PCB-1248	ND		0.22	0.044	mg/Kg	☒	08/22/16 11:18	08/22/16 22:55	1
PCB-1254	ND		0.22	0.10	mg/Kg	☒	08/22/16 11:18	08/22/16 22:55	1
PCB-1260	ND		0.22	0.10	mg/Kg	☒	08/22/16 11:18	08/22/16 22:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	98		65 - 174	08/22/16 11:18	08/22/16 22:55	1
Tetrachloro-m-xylene	109		60 - 154	08/22/16 11:18	08/22/16 22:55	1

TestAmerica Buffalo

Client Sample Results

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Client Sample ID: SS-6-081716

Lab Sample ID: 480-104754-7

Date Collected: 08/17/16 13:10

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 83.2

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		16.5	0.44	mg/Kg	☼	08/19/16 12:47	08/23/16 04:47	1
Arsenic	7.4		2.2	0.44	mg/Kg	☼	08/19/16 12:47	08/23/16 04:47	1
Beryllium	0.73		0.22	0.031	mg/Kg	☼	08/19/16 12:47	08/23/16 04:47	1
Cadmium	1.3		0.22	0.033	mg/Kg	☼	08/19/16 12:47	08/23/16 04:47	1
Chromium	19.2		0.55	0.22	mg/Kg	☼	08/19/16 12:47	08/23/16 04:47	1
Copper	23.6		1.1	0.23	mg/Kg	☼	08/19/16 12:47	08/23/16 04:47	1
Lead	80.2		1.1	0.26	mg/Kg	☼	08/19/16 12:47	08/23/16 04:47	1
Nickel	24.2		5.5	0.25	mg/Kg	☼	08/19/16 12:47	08/23/16 04:47	1
Selenium	ND		4.4	0.44	mg/Kg	☼	08/19/16 12:47	08/23/16 04:47	1
Silver	0.41	J	0.66	0.22	mg/Kg	☼	08/19/16 12:47	08/23/16 04:47	1
Thallium	ND		6.6	0.33	mg/Kg	☼	08/19/16 12:47	08/23/16 04:47	1
Zinc	272	B	2.2	0.70	mg/Kg	☼	08/19/16 12:47	08/23/16 04:47	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.090		0.024	0.0096	mg/Kg	☼	08/19/16 12:00	08/19/16 16:45	1

Client Sample ID: SS-7-081716

Lab Sample ID: 480-104754-8

Date Collected: 08/17/16 14:15

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 89.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		3700	440	ug/Kg	☼	08/23/16 06:20	08/24/16 00:12	20
4-Methylphenol	ND		7200	440	ug/Kg	☼	08/23/16 06:20	08/24/16 00:12	20
Acenaphthene	ND		3700	550	ug/Kg	☼	08/23/16 06:20	08/24/16 00:12	20
Acenaphthylene	ND		3700	480	ug/Kg	☼	08/23/16 06:20	08/24/16 00:12	20
Anthracene	ND		3700	920	ug/Kg	☼	08/23/16 06:20	08/24/16 00:12	20
Benzo[a]anthracene	860	J	3700	370	ug/Kg	☼	08/23/16 06:20	08/24/16 00:12	20
Benzo[a]pyrene	760	J	3700	550	ug/Kg	☼	08/23/16 06:20	08/24/16 00:12	20
Benzo[b]fluoranthene	1100	J	3700	590	ug/Kg	☼	08/23/16 06:20	08/24/16 00:12	20
Benzo[g,h,i]perylene	650	J	3700	400	ug/Kg	☼	08/23/16 06:20	08/24/16 00:12	20
Benzo[k]fluoranthene	ND		3700	480	ug/Kg	☼	08/23/16 06:20	08/24/16 00:12	20
Chrysene	940	J	3700	830	ug/Kg	☼	08/23/16 06:20	08/24/16 00:12	20
Dibenz(a,h)anthracene	ND		3700	660	ug/Kg	☼	08/23/16 06:20	08/24/16 00:12	20
Fluoranthene	1600	J	3700	400	ug/Kg	☼	08/23/16 06:20	08/24/16 00:12	20
Fluorene	ND		3700	440	ug/Kg	☼	08/23/16 06:20	08/24/16 00:12	20
Hexachlorobenzene	ND		3700	500	ug/Kg	☼	08/23/16 06:20	08/24/16 00:12	20
Indeno[1,2,3-cd]pyrene	1100	J	3700	460	ug/Kg	☼	08/23/16 06:20	08/24/16 00:12	20
Naphthalene	ND		3700	480	ug/Kg	☼	08/23/16 06:20	08/24/16 00:12	20
Pentachlorophenol	ND		7200	3700	ug/Kg	☼	08/23/16 06:20	08/24/16 00:12	20
Phenanthrene	860	J	3700	550	ug/Kg	☼	08/23/16 06:20	08/24/16 00:12	20
Phenol	ND		3700	570	ug/Kg	☼	08/23/16 06:20	08/24/16 00:12	20
Pyrene	1400	J	3700	440	ug/Kg	☼	08/23/16 06:20	08/24/16 00:12	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	103		39 - 146	08/23/16 06:20	08/24/16 00:12	20
2-Fluorobiphenyl	70		37 - 120	08/23/16 06:20	08/24/16 00:12	20
2-Fluorophenol (Surr)	63		18 - 120	08/23/16 06:20	08/24/16 00:12	20
Nitrobenzene-d5 (Surr)	67		34 - 132	08/23/16 06:20	08/24/16 00:12	20

TestAmerica Buffalo

Client Sample Results

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Client Sample ID: SS-7-081716

Lab Sample ID: 480-104754-8

Date Collected: 08/17/16 14:15

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 89.7

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5 (Surr)	64		11 - 120	08/23/16 06:20	08/24/16 00:12	20
p-Terphenyl-d14 (Surr)	69		65 - 153	08/23/16 06:20	08/24/16 00:12	20

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		19	3.6	ug/Kg	☼	08/22/16 07:09	08/24/16 14:35	10
4,4'-DDE	ND		19	3.9	ug/Kg	☼	08/22/16 07:09	08/24/16 14:35	10
4,4'-DDT	ND		19	4.3	ug/Kg	☼	08/22/16 07:09	08/24/16 14:35	10
Aldrin	ND		19	4.6	ug/Kg	☼	08/22/16 07:09	08/24/16 14:35	10
alpha-BHC	5.7	J	19	3.3	ug/Kg	☼	08/22/16 07:09	08/24/16 14:35	10
alpha-Chlordane	ND		19	9.2	ug/Kg	☼	08/22/16 07:09	08/24/16 14:35	10
beta-BHC	ND		19	3.3	ug/Kg	☼	08/22/16 07:09	08/24/16 14:35	10
delta-BHC	ND		19	3.4	ug/Kg	☼	08/22/16 07:09	08/24/16 14:35	10
Dieldrin	100		19	4.4	ug/Kg	☼	08/22/16 07:09	08/24/16 14:35	10
Endosulfan I	ND		19	3.6	ug/Kg	☼	08/22/16 07:09	08/24/16 14:35	10
Endosulfan II	ND		19	3.3	ug/Kg	☼	08/22/16 07:09	08/24/16 14:35	10
Endosulfan sulfate	ND		19	3.5	ug/Kg	☼	08/22/16 07:09	08/24/16 14:35	10
Endrin	ND		19	3.7	ug/Kg	☼	08/22/16 07:09	08/24/16 14:35	10
Endrin aldehyde	ND		19	4.7	ug/Kg	☼	08/22/16 07:09	08/24/16 14:35	10
Endrin ketone	ND		19	4.6	ug/Kg	☼	08/22/16 07:09	08/24/16 14:35	10
gamma-BHC (Lindane)	ND		19	3.4	ug/Kg	☼	08/22/16 07:09	08/24/16 14:35	10
gamma-Chlordane	ND		19	5.9	ug/Kg	☼	08/22/16 07:09	08/24/16 14:35	10
Heptachlor	ND		19	4.0	ug/Kg	☼	08/22/16 07:09	08/24/16 14:35	10
Heptachlor epoxide	ND		19	4.8	ug/Kg	☼	08/22/16 07:09	08/24/16 14:35	10
Methoxychlor	ND		19	3.8	ug/Kg	☼	08/22/16 07:09	08/24/16 14:35	10
Toxaphene	ND		190	110	ug/Kg	☼	08/22/16 07:09	08/24/16 14:35	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	197	X	45 - 120	08/22/16 07:09	08/24/16 14:35	10
Tetrachloro-m-xylene	113		30 - 124	08/22/16 07:09	08/24/16 14:35	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.21	0.041	mg/Kg	☼	08/22/16 11:18	08/22/16 23:10	1
PCB-1221	ND		0.21	0.041	mg/Kg	☼	08/22/16 11:18	08/22/16 23:10	1
PCB-1232	ND		0.21	0.041	mg/Kg	☼	08/22/16 11:18	08/22/16 23:10	1
PCB-1242	ND		0.21	0.041	mg/Kg	☼	08/22/16 11:18	08/22/16 23:10	1
PCB-1248	ND		0.21	0.041	mg/Kg	☼	08/22/16 11:18	08/22/16 23:10	1
PCB-1254	ND		0.21	0.099	mg/Kg	☼	08/22/16 11:18	08/22/16 23:10	1
PCB-1260	ND		0.21	0.099	mg/Kg	☼	08/22/16 11:18	08/22/16 23:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	98		65 - 174	08/22/16 11:18	08/22/16 23:10	1
Tetrachloro-m-xylene	113		60 - 154	08/22/16 11:18	08/22/16 23:10	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		16.8	0.45	mg/Kg	☼	08/19/16 12:47	08/23/16 04:50	1
Arsenic	5.2		2.2	0.45	mg/Kg	☼	08/19/16 12:47	08/23/16 04:50	1
Beryllium	0.57		0.22	0.031	mg/Kg	☼	08/19/16 12:47	08/23/16 04:50	1

TestAmerica Buffalo

Client Sample Results

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Client Sample ID: SS-7-081716

Lab Sample ID: 480-104754-8

Date Collected: 08/17/16 14:15

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 89.7

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.67		0.22	0.034	mg/Kg	☼	08/19/16 12:47	08/23/16 04:50	1
Chromium	27.1		0.56	0.22	mg/Kg	☼	08/19/16 12:47	08/23/16 04:50	1
Copper	71.0		1.1	0.24	mg/Kg	☼	08/19/16 12:47	08/23/16 04:50	1
Lead	343		1.1	0.27	mg/Kg	☼	08/19/16 12:47	08/23/16 04:50	1
Nickel	24.6		5.6	0.26	mg/Kg	☼	08/19/16 12:47	08/23/16 04:50	1
Selenium	ND		4.5	0.45	mg/Kg	☼	08/19/16 12:47	08/23/16 04:50	1
Silver	0.52	J	0.67	0.22	mg/Kg	☼	08/19/16 12:47	08/23/16 04:50	1
Thallium	ND		6.7	0.34	mg/Kg	☼	08/19/16 12:47	08/23/16 04:50	1
Zinc	267	B	2.2	0.72	mg/Kg	☼	08/19/16 12:47	08/23/16 04:50	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.062		0.022	0.0090	mg/Kg	☼	08/19/16 12:00	08/19/16 15:47	1

Client Sample ID: SS-8-081716

Lab Sample ID: 480-104754-9

Date Collected: 08/17/16 14:35

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 89.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		930	110	ug/Kg	☼	08/23/16 06:20	08/24/16 00:39	5
4-Methylphenol	ND		1800	110	ug/Kg	☼	08/23/16 06:20	08/24/16 00:39	5
Acenaphthene	ND		930	140	ug/Kg	☼	08/23/16 06:20	08/24/16 00:39	5
Acenaphthylene	ND		930	120	ug/Kg	☼	08/23/16 06:20	08/24/16 00:39	5
Anthracene	ND		930	230	ug/Kg	☼	08/23/16 06:20	08/24/16 00:39	5
Benzo[a]anthracene	420	J	930	93	ug/Kg	☼	08/23/16 06:20	08/24/16 00:39	5
Benzo[a]pyrene	390	J	930	140	ug/Kg	☼	08/23/16 06:20	08/24/16 00:39	5
Benzo[b]fluoranthene	550	J	930	150	ug/Kg	☼	08/23/16 06:20	08/24/16 00:39	5
Benzo[g,h,i]perylene	370	J	930	99	ug/Kg	☼	08/23/16 06:20	08/24/16 00:39	5
Benzo[k]fluoranthene	240	J	930	120	ug/Kg	☼	08/23/16 06:20	08/24/16 00:39	5
Chrysene	430	J	930	210	ug/Kg	☼	08/23/16 06:20	08/24/16 00:39	5
Dibenz(a,h)anthracene	ND		930	160	ug/Kg	☼	08/23/16 06:20	08/24/16 00:39	5
Fluoranthene	870	J	930	99	ug/Kg	☼	08/23/16 06:20	08/24/16 00:39	5
Fluorene	ND		930	110	ug/Kg	☼	08/23/16 06:20	08/24/16 00:39	5
Hexachlorobenzene	ND		930	130	ug/Kg	☼	08/23/16 06:20	08/24/16 00:39	5
Indeno[1,2,3-cd]pyrene	410	J	930	120	ug/Kg	☼	08/23/16 06:20	08/24/16 00:39	5
Naphthalene	ND		930	120	ug/Kg	☼	08/23/16 06:20	08/24/16 00:39	5
Pentachlorophenol	ND		1800	930	ug/Kg	☼	08/23/16 06:20	08/24/16 00:39	5
Phenanthrene	510	J	930	140	ug/Kg	☼	08/23/16 06:20	08/24/16 00:39	5
Phenol	ND		930	140	ug/Kg	☼	08/23/16 06:20	08/24/16 00:39	5
Pyrene	700	J	930	110	ug/Kg	☼	08/23/16 06:20	08/24/16 00:39	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	75		39 - 146	08/23/16 06:20	08/24/16 00:39	5
2-Fluorobiphenyl	73		37 - 120	08/23/16 06:20	08/24/16 00:39	5
2-Fluorophenol (Surr)	58		18 - 120	08/23/16 06:20	08/24/16 00:39	5
Nitrobenzene-d5 (Surr)	68		34 - 132	08/23/16 06:20	08/24/16 00:39	5
Phenol-d5 (Surr)	64		11 - 120	08/23/16 06:20	08/24/16 00:39	5
p-Terphenyl-d14 (Surr)	69		65 - 153	08/23/16 06:20	08/24/16 00:39	5

TestAmerica Buffalo

Client Sample Results

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Client Sample ID: SS-8-081716

Lab Sample ID: 480-104754-9

Date Collected: 08/17/16 14:35

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 89.4

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.8	0.36	ug/Kg	☼	08/22/16 07:09	08/24/16 14:55	1
4,4'-DDE	0.94	J	1.8	0.38	ug/Kg	☼	08/22/16 07:09	08/24/16 14:55	1
4,4'-DDT	ND		1.8	0.43	ug/Kg	☼	08/22/16 07:09	08/24/16 14:55	1
Aldrin	ND		1.8	0.45	ug/Kg	☼	08/22/16 07:09	08/24/16 14:55	1
alpha-BHC	ND		1.8	0.33	ug/Kg	☼	08/22/16 07:09	08/24/16 14:55	1
alpha-Chlordane	ND		1.8	0.91	ug/Kg	☼	08/22/16 07:09	08/24/16 14:55	1
beta-BHC	ND		1.8	0.33	ug/Kg	☼	08/22/16 07:09	08/24/16 14:55	1
delta-BHC	ND		1.8	0.34	ug/Kg	☼	08/22/16 07:09	08/24/16 14:55	1
Dieldrin	12		1.8	0.44	ug/Kg	☼	08/22/16 07:09	08/24/16 14:55	1
Endosulfan I	ND		1.8	0.35	ug/Kg	☼	08/22/16 07:09	08/24/16 14:55	1
Endosulfan II	ND		1.8	0.33	ug/Kg	☼	08/22/16 07:09	08/24/16 14:55	1
Endosulfan sulfate	ND		1.8	0.34	ug/Kg	☼	08/22/16 07:09	08/24/16 14:55	1
Endrin	ND		1.8	0.36	ug/Kg	☼	08/22/16 07:09	08/24/16 14:55	1
Endrin aldehyde	ND		1.8	0.47	ug/Kg	☼	08/22/16 07:09	08/24/16 14:55	1
Endrin ketone	ND		1.8	0.45	ug/Kg	☼	08/22/16 07:09	08/24/16 14:55	1
gamma-BHC (Lindane)	ND		1.8	0.34	ug/Kg	☼	08/22/16 07:09	08/24/16 14:55	1
gamma-Chlordane	ND		1.8	0.58	ug/Kg	☼	08/22/16 07:09	08/24/16 14:55	1
Heptachlor	ND		1.8	0.40	ug/Kg	☼	08/22/16 07:09	08/24/16 14:55	1
Heptachlor epoxide	ND		1.8	0.47	ug/Kg	☼	08/22/16 07:09	08/24/16 14:55	1
Methoxychlor	ND		1.8	0.37	ug/Kg	☼	08/22/16 07:09	08/24/16 14:55	1
Toxaphene	ND		18	11	ug/Kg	☼	08/22/16 07:09	08/24/16 14:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	43	X	45 - 120	08/22/16 07:09	08/24/16 14:55	1
Tetrachloro-m-xylene	32		30 - 124	08/22/16 07:09	08/24/16 14:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.24	0.047	mg/Kg	☼	08/22/16 11:18	08/22/16 23:25	1
PCB-1221	ND		0.24	0.047	mg/Kg	☼	08/22/16 11:18	08/22/16 23:25	1
PCB-1232	ND		0.24	0.047	mg/Kg	☼	08/22/16 11:18	08/22/16 23:25	1
PCB-1242	ND		0.24	0.047	mg/Kg	☼	08/22/16 11:18	08/22/16 23:25	1
PCB-1248	ND		0.24	0.047	mg/Kg	☼	08/22/16 11:18	08/22/16 23:25	1
PCB-1254	ND		0.24	0.11	mg/Kg	☼	08/22/16 11:18	08/22/16 23:25	1
PCB-1260	ND		0.24	0.11	mg/Kg	☼	08/22/16 11:18	08/22/16 23:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	100		65 - 174	08/22/16 11:18	08/22/16 23:25	1
Tetrachloro-m-xylene	111		60 - 154	08/22/16 11:18	08/22/16 23:25	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		17.2	0.46	mg/Kg	☼	08/19/16 12:47	08/23/16 05:04	1
Arsenic	4.1		2.3	0.46	mg/Kg	☼	08/19/16 12:47	08/23/16 05:04	1
Beryllium	0.60		0.23	0.032	mg/Kg	☼	08/19/16 12:47	08/23/16 05:04	1
Cadmium	0.54		0.23	0.034	mg/Kg	☼	08/19/16 12:47	08/23/16 05:04	1
Chromium	21.4		0.57	0.23	mg/Kg	☼	08/19/16 12:47	08/23/16 05:04	1
Copper	39.4		1.1	0.24	mg/Kg	☼	08/19/16 12:47	08/23/16 05:04	1
Lead	180		1.1	0.28	mg/Kg	☼	08/19/16 12:47	08/23/16 05:04	1
Nickel	23.0		5.7	0.26	mg/Kg	☼	08/19/16 12:47	08/23/16 05:04	1

TestAmerica Buffalo

Client Sample Results

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Client Sample ID: SS-8-081716

Lab Sample ID: 480-104754-9

Date Collected: 08/17/16 14:35

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 89.4

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	0.58	J	4.6	0.46	mg/Kg	☼	08/19/16 12:47	08/23/16 05:04	1
Silver	0.37	J	0.69	0.23	mg/Kg	☼	08/19/16 12:47	08/23/16 05:04	1
Thallium	ND		6.9	0.34	mg/Kg	☼	08/19/16 12:47	08/23/16 05:04	1
Zinc	220	B	2.3	0.74	mg/Kg	☼	08/19/16 12:47	08/23/16 05:04	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.049		0.022	0.0091	mg/Kg	☼	08/19/16 12:00	08/19/16 15:48	1

Client Sample ID: SS-9-081716

Lab Sample ID: 480-104754-10

Date Collected: 08/17/16 15:00

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 91.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		920	110	ug/Kg	☼	08/23/16 06:20	08/24/16 01:06	5
4-Methylphenol	ND		1800	110	ug/Kg	☼	08/23/16 06:20	08/24/16 01:06	5
Acenaphthene	ND		920	140	ug/Kg	☼	08/23/16 06:20	08/24/16 01:06	5
Acenaphthylene	ND		920	120	ug/Kg	☼	08/23/16 06:20	08/24/16 01:06	5
Anthracene	ND		920	230	ug/Kg	☼	08/23/16 06:20	08/24/16 01:06	5
Benzo[a]anthracene	410	J	920	92	ug/Kg	☼	08/23/16 06:20	08/24/16 01:06	5
Benzo[a]pyrene	360	J	920	140	ug/Kg	☼	08/23/16 06:20	08/24/16 01:06	5
Benzo[b]fluoranthene	520	J	920	150	ug/Kg	☼	08/23/16 06:20	08/24/16 01:06	5
Benzo[g,h,i]perylene	320	J	920	97	ug/Kg	☼	08/23/16 06:20	08/24/16 01:06	5
Benzo[k]fluoranthene	230	J	920	120	ug/Kg	☼	08/23/16 06:20	08/24/16 01:06	5
Chrysene	400	J	920	210	ug/Kg	☼	08/23/16 06:20	08/24/16 01:06	5
Dibenz(a,h)anthracene	ND		920	160	ug/Kg	☼	08/23/16 06:20	08/24/16 01:06	5
Fluoranthene	820	J	920	97	ug/Kg	☼	08/23/16 06:20	08/24/16 01:06	5
Fluorene	ND		920	110	ug/Kg	☼	08/23/16 06:20	08/24/16 01:06	5
Hexachlorobenzene	ND		920	120	ug/Kg	☼	08/23/16 06:20	08/24/16 01:06	5
Indeno[1,2,3-cd]pyrene	390	J	920	110	ug/Kg	☼	08/23/16 06:20	08/24/16 01:06	5
Naphthalene	ND		920	120	ug/Kg	☼	08/23/16 06:20	08/24/16 01:06	5
Pentachlorophenol	ND		1800	920	ug/Kg	☼	08/23/16 06:20	08/24/16 01:06	5
Phenanthrene	470	J	920	140	ug/Kg	☼	08/23/16 06:20	08/24/16 01:06	5
Phenol	ND		920	140	ug/Kg	☼	08/23/16 06:20	08/24/16 01:06	5
Pyrene	660	J	920	110	ug/Kg	☼	08/23/16 06:20	08/24/16 01:06	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	86		39 - 146	08/23/16 06:20	08/24/16 01:06	5
2-Fluorobiphenyl	67		37 - 120	08/23/16 06:20	08/24/16 01:06	5
2-Fluorophenol (Surr)	58		18 - 120	08/23/16 06:20	08/24/16 01:06	5
Nitrobenzene-d5 (Surr)	62		34 - 132	08/23/16 06:20	08/24/16 01:06	5
Phenol-d5 (Surr)	61		11 - 120	08/23/16 06:20	08/24/16 01:06	5
p-Terphenyl-d14 (Surr)	77		65 - 153	08/23/16 06:20	08/24/16 01:06	5

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.8	0.35	ug/Kg	☼	08/22/16 07:09	08/24/16 15:14	1
4,4'-DDE	1.5	J	1.8	0.38	ug/Kg	☼	08/22/16 07:09	08/24/16 15:14	1
4,4'-DDT	ND		1.8	0.42	ug/Kg	☼	08/22/16 07:09	08/24/16 15:14	1

TestAmerica Buffalo

Client Sample Results

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Client Sample ID: SS-9-081716

Lab Sample ID: 480-104754-10

Date Collected: 08/17/16 15:00

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 91.5

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.8	0.44	ug/Kg	☼	08/22/16 07:09	08/24/16 15:14	1
alpha-BHC	ND		1.8	0.32	ug/Kg	☼	08/22/16 07:09	08/24/16 15:14	1
alpha-Chlordane	ND		1.8	0.89	ug/Kg	☼	08/22/16 07:09	08/24/16 15:14	1
beta-BHC	ND		1.8	0.32	ug/Kg	☼	08/22/16 07:09	08/24/16 15:14	1
delta-BHC	ND		1.8	0.33	ug/Kg	☼	08/22/16 07:09	08/24/16 15:14	1
Dieldrin	15		1.8	0.43	ug/Kg	☼	08/22/16 07:09	08/24/16 15:14	1
Endosulfan I	ND		1.8	0.34	ug/Kg	☼	08/22/16 07:09	08/24/16 15:14	1
Endosulfan II	ND		1.8	0.32	ug/Kg	☼	08/22/16 07:09	08/24/16 15:14	1
Endosulfan sulfate	ND		1.8	0.33	ug/Kg	☼	08/22/16 07:09	08/24/16 15:14	1
Endrin	ND		1.8	0.35	ug/Kg	☼	08/22/16 07:09	08/24/16 15:14	1
Endrin aldehyde	ND		1.8	0.46	ug/Kg	☼	08/22/16 07:09	08/24/16 15:14	1
Endrin ketone	ND		1.8	0.44	ug/Kg	☼	08/22/16 07:09	08/24/16 15:14	1
gamma-BHC (Lindane)	ND		1.8	0.33	ug/Kg	☼	08/22/16 07:09	08/24/16 15:14	1
gamma-Chlordane	ND		1.8	0.57	ug/Kg	☼	08/22/16 07:09	08/24/16 15:14	1
Heptachlor	ND		1.8	0.39	ug/Kg	☼	08/22/16 07:09	08/24/16 15:14	1
Heptachlor epoxide	ND		1.8	0.46	ug/Kg	☼	08/22/16 07:09	08/24/16 15:14	1
Methoxychlor	ND		1.8	0.37	ug/Kg	☼	08/22/16 07:09	08/24/16 15:14	1
Toxaphene	ND		18	10	ug/Kg	☼	08/22/16 07:09	08/24/16 15:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	113		45 - 120	08/22/16 07:09	08/24/16 15:14	1
Tetrachloro-m-xylene	67		30 - 124	08/22/16 07:09	08/24/16 15:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.23	0.045	mg/Kg	☼	08/22/16 11:18	08/22/16 23:41	1
PCB-1221	ND		0.23	0.045	mg/Kg	☼	08/22/16 11:18	08/22/16 23:41	1
PCB-1232	ND		0.23	0.045	mg/Kg	☼	08/22/16 11:18	08/22/16 23:41	1
PCB-1242	ND		0.23	0.045	mg/Kg	☼	08/22/16 11:18	08/22/16 23:41	1
PCB-1248	ND		0.23	0.045	mg/Kg	☼	08/22/16 11:18	08/22/16 23:41	1
PCB-1254	ND		0.23	0.11	mg/Kg	☼	08/22/16 11:18	08/22/16 23:41	1
PCB-1260	ND		0.23	0.11	mg/Kg	☼	08/22/16 11:18	08/22/16 23:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	104		65 - 174	08/22/16 11:18	08/22/16 23:41	1
Tetrachloro-m-xylene	111		60 - 154	08/22/16 11:18	08/22/16 23:41	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		17.0	0.45	mg/Kg	☼	08/19/16 12:47	08/23/16 05:08	1
Arsenic	2.2	J	2.3	0.45	mg/Kg	☼	08/19/16 12:47	08/23/16 05:08	1
Beryllium	0.30		0.23	0.032	mg/Kg	☼	08/19/16 12:47	08/23/16 05:08	1
Cadmium	0.39		0.23	0.034	mg/Kg	☼	08/19/16 12:47	08/23/16 05:08	1
Chromium	11.4		0.57	0.23	mg/Kg	☼	08/19/16 12:47	08/23/16 05:08	1
Copper	25.2		1.1	0.24	mg/Kg	☼	08/19/16 12:47	08/23/16 05:08	1
Lead	103		1.1	0.27	mg/Kg	☼	08/19/16 12:47	08/23/16 05:08	1
Nickel	12.5		5.7	0.26	mg/Kg	☼	08/19/16 12:47	08/23/16 05:08	1
Selenium	ND		4.5	0.45	mg/Kg	☼	08/19/16 12:47	08/23/16 05:08	1
Silver	ND		0.68	0.23	mg/Kg	☼	08/19/16 12:47	08/23/16 05:08	1
Thallium	ND		6.8	0.34	mg/Kg	☼	08/19/16 12:47	08/23/16 05:08	1

TestAmerica Buffalo

Client Sample Results

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Client Sample ID: SS-9-081716

Lab Sample ID: 480-104754-10

Date Collected: 08/17/16 15:00

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 91.5

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	96.8	B	2.3	0.73	mg/Kg	☼	08/19/16 12:47	08/23/16 05:08	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.037		0.022	0.0090	mg/Kg	☼	08/19/16 12:00	08/19/16 15:49	1

Client Sample ID: SS-10-081716

Lab Sample ID: 480-104754-11

Date Collected: 08/17/16 15:15

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 89.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		3800	450	ug/Kg	☼	08/23/16 06:20	08/24/16 01:32	20
4-Methylphenol	ND		7300	450	ug/Kg	☼	08/23/16 06:20	08/24/16 01:32	20
Acenaphthene	ND		3800	560	ug/Kg	☼	08/23/16 06:20	08/24/16 01:32	20
Acenaphthylene	ND		3800	490	ug/Kg	☼	08/23/16 06:20	08/24/16 01:32	20
Anthracene	ND		3800	930	ug/Kg	☼	08/23/16 06:20	08/24/16 01:32	20
Benzo[a]anthracene	780	J	3800	380	ug/Kg	☼	08/23/16 06:20	08/24/16 01:32	20
Benzo[a]pyrene	760	J	3800	560	ug/Kg	☼	08/23/16 06:20	08/24/16 01:32	20
Benzo[b]fluoranthene	940	J	3800	600	ug/Kg	☼	08/23/16 06:20	08/24/16 01:32	20
Benzo[g,h,i]perylene	640	J	3800	400	ug/Kg	☼	08/23/16 06:20	08/24/16 01:32	20
Benzo[k]fluoranthene	ND		3800	490	ug/Kg	☼	08/23/16 06:20	08/24/16 01:32	20
Chrysene	ND		3800	850	ug/Kg	☼	08/23/16 06:20	08/24/16 01:32	20
Dibenz(a,h)anthracene	ND		3800	670	ug/Kg	☼	08/23/16 06:20	08/24/16 01:32	20
Fluoranthene	1500	J	3800	400	ug/Kg	☼	08/23/16 06:20	08/24/16 01:32	20
Fluorene	ND		3800	450	ug/Kg	☼	08/23/16 06:20	08/24/16 01:32	20
Hexachlorobenzene	ND		3800	510	ug/Kg	☼	08/23/16 06:20	08/24/16 01:32	20
Indeno[1,2,3-cd]pyrene	970	J	3800	470	ug/Kg	☼	08/23/16 06:20	08/24/16 01:32	20
Naphthalene	ND		3800	490	ug/Kg	☼	08/23/16 06:20	08/24/16 01:32	20
Pentachlorophenol	ND		7300	3800	ug/Kg	☼	08/23/16 06:20	08/24/16 01:32	20
Phenanthrene	870	J	3800	560	ug/Kg	☼	08/23/16 06:20	08/24/16 01:32	20
Phenol	ND		3800	580	ug/Kg	☼	08/23/16 06:20	08/24/16 01:32	20
Pyrene	1300	J	3800	450	ug/Kg	☼	08/23/16 06:20	08/24/16 01:32	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	94		39 - 146	08/23/16 06:20	08/24/16 01:32	20
2-Fluorobiphenyl	70		37 - 120	08/23/16 06:20	08/24/16 01:32	20
2-Fluorophenol (Surr)	63		18 - 120	08/23/16 06:20	08/24/16 01:32	20
Nitrobenzene-d5 (Surr)	71		34 - 132	08/23/16 06:20	08/24/16 01:32	20
Phenol-d5 (Surr)	59		11 - 120	08/23/16 06:20	08/24/16 01:32	20
p-Terphenyl-d14 (Surr)	76		65 - 153	08/23/16 06:20	08/24/16 01:32	20

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.9	0.36	ug/Kg	☼	08/22/16 07:09	08/24/16 15:34	1
4,4'-DDE	4.0		1.9	0.39	ug/Kg	☼	08/22/16 07:09	08/24/16 15:34	1
4,4'-DDT	4.7		1.9	0.43	ug/Kg	☼	08/22/16 07:09	08/24/16 15:34	1
Aldrin	ND		1.9	0.46	ug/Kg	☼	08/22/16 07:09	08/24/16 15:34	1
alpha-BHC	0.69	J	1.9	0.33	ug/Kg	☼	08/22/16 07:09	08/24/16 15:34	1
alpha-Chlordane	ND		1.9	0.92	ug/Kg	☼	08/22/16 07:09	08/24/16 15:34	1

TestAmerica Buffalo

Client Sample Results

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Client Sample ID: SS-10-081716

Lab Sample ID: 480-104754-11

Date Collected: 08/17/16 15:15

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 89.3

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
beta-BHC	ND		1.9	0.33	ug/Kg	☼	08/22/16 07:09	08/24/16 15:34	1
delta-BHC	ND		1.9	0.35	ug/Kg	☼	08/22/16 07:09	08/24/16 15:34	1
Dieldrin	24		1.9	0.45	ug/Kg	☼	08/22/16 07:09	08/24/16 15:34	1
Endosulfan I	ND		1.9	0.36	ug/Kg	☼	08/22/16 07:09	08/24/16 15:34	1
Endosulfan II	ND		1.9	0.33	ug/Kg	☼	08/22/16 07:09	08/24/16 15:34	1
Endosulfan sulfate	ND		1.9	0.35	ug/Kg	☼	08/22/16 07:09	08/24/16 15:34	1
Endrin	ND		1.9	0.37	ug/Kg	☼	08/22/16 07:09	08/24/16 15:34	1
Endrin aldehyde	ND		1.9	0.47	ug/Kg	☼	08/22/16 07:09	08/24/16 15:34	1
Endrin ketone	ND		1.9	0.46	ug/Kg	☼	08/22/16 07:09	08/24/16 15:34	1
gamma-BHC (Lindane)	ND		1.9	0.34	ug/Kg	☼	08/22/16 07:09	08/24/16 15:34	1
gamma-Chlordane	ND		1.9	0.59	ug/Kg	☼	08/22/16 07:09	08/24/16 15:34	1
Heptachlor	ND		1.9	0.40	ug/Kg	☼	08/22/16 07:09	08/24/16 15:34	1
Heptachlor epoxide	ND		1.9	0.48	ug/Kg	☼	08/22/16 07:09	08/24/16 15:34	1
Methoxychlor	ND		1.9	0.38	ug/Kg	☼	08/22/16 07:09	08/24/16 15:34	1
Toxaphene	ND		19	11	ug/Kg	☼	08/22/16 07:09	08/24/16 15:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>DCB Decachlorobiphenyl</i>	140	X	45 - 120				08/22/16 07:09	08/24/16 15:34	1
<i>Tetrachloro-m-xylene</i>	66		30 - 124				08/22/16 07:09	08/24/16 15:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.23	0.045	mg/Kg	☼	08/22/16 11:18	08/22/16 23:56	1
PCB-1221	ND		0.23	0.045	mg/Kg	☼	08/22/16 11:18	08/22/16 23:56	1
PCB-1232	ND		0.23	0.045	mg/Kg	☼	08/22/16 11:18	08/22/16 23:56	1
PCB-1242	ND		0.23	0.045	mg/Kg	☼	08/22/16 11:18	08/22/16 23:56	1
PCB-1248	ND		0.23	0.045	mg/Kg	☼	08/22/16 11:18	08/22/16 23:56	1
PCB-1254	ND		0.23	0.11	mg/Kg	☼	08/22/16 11:18	08/22/16 23:56	1
PCB-1260	ND		0.23	0.11	mg/Kg	☼	08/22/16 11:18	08/22/16 23:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>DCB Decachlorobiphenyl</i>	102		65 - 174				08/22/16 11:18	08/22/16 23:56	1
<i>Tetrachloro-m-xylene</i>	114		60 - 154				08/22/16 11:18	08/22/16 23:56	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		15.7	0.42	mg/Kg	☼	08/19/16 12:47	08/23/16 05:11	1
Arsenic	4.2		2.1	0.42	mg/Kg	☼	08/19/16 12:47	08/23/16 05:11	1
Beryllium	0.58		0.21	0.029	mg/Kg	☼	08/19/16 12:47	08/23/16 05:11	1
Cadmium	0.75		0.21	0.031	mg/Kg	☼	08/19/16 12:47	08/23/16 05:11	1
Chromium	18.6		0.52	0.21	mg/Kg	☼	08/19/16 12:47	08/23/16 05:11	1
Copper	43.2		1.0	0.22	mg/Kg	☼	08/19/16 12:47	08/23/16 05:11	1
Lead	117		1.0	0.25	mg/Kg	☼	08/19/16 12:47	08/23/16 05:11	1
Nickel	23.8		5.2	0.24	mg/Kg	☼	08/19/16 12:47	08/23/16 05:11	1
Selenium	ND		4.2	0.42	mg/Kg	☼	08/19/16 12:47	08/23/16 05:11	1
Silver	0.58	J	0.63	0.21	mg/Kg	☼	08/19/16 12:47	08/23/16 05:11	1
Thallium	ND		6.3	0.31	mg/Kg	☼	08/19/16 12:47	08/23/16 05:11	1
Zinc	154	B	2.1	0.67	mg/Kg	☼	08/19/16 12:47	08/23/16 05:11	1

TestAmerica Buffalo

Client Sample Results

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Client Sample ID: SS-10-081716

Lab Sample ID: 480-104754-11

Date Collected: 08/17/16 15:15

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 89.3

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.046		0.022	0.0090	mg/Kg	☼	08/19/16 12:00	08/19/16 15:51	1

Client Sample ID: SS-11-081716

Lab Sample ID: 480-104754-12

Date Collected: 08/17/16 15:30

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 87.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		970	110	ug/Kg	☼	08/23/16 06:20	08/24/16 01:59	5
4-Methylphenol	ND		1900	110	ug/Kg	☼	08/23/16 06:20	08/24/16 01:59	5
Acenaphthene	170	J	970	140	ug/Kg	☼	08/23/16 06:20	08/24/16 01:59	5
Acenaphthylene	ND		970	130	ug/Kg	☼	08/23/16 06:20	08/24/16 01:59	5
Anthracene	380	J	970	240	ug/Kg	☼	08/23/16 06:20	08/24/16 01:59	5
Benzo[a]anthracene	1200		970	97	ug/Kg	☼	08/23/16 06:20	08/24/16 01:59	5
Benzo[a]pyrene	950	J	970	140	ug/Kg	☼	08/23/16 06:20	08/24/16 01:59	5
Benzo[b]fluoranthene	1200		970	150	ug/Kg	☼	08/23/16 06:20	08/24/16 01:59	5
Benzo[g,h,i]perylene	740	J	970	100	ug/Kg	☼	08/23/16 06:20	08/24/16 01:59	5
Benzo[k]fluoranthene	580	J	970	130	ug/Kg	☼	08/23/16 06:20	08/24/16 01:59	5
Chrysene	1100		970	220	ug/Kg	☼	08/23/16 06:20	08/24/16 01:59	5
Dibenz(a,h)anthracene	230	J	970	170	ug/Kg	☼	08/23/16 06:20	08/24/16 01:59	5
Fluoranthene	2300		970	100	ug/Kg	☼	08/23/16 06:20	08/24/16 01:59	5
Fluorene	150	J	970	110	ug/Kg	☼	08/23/16 06:20	08/24/16 01:59	5
Hexachlorobenzene	ND		970	130	ug/Kg	☼	08/23/16 06:20	08/24/16 01:59	5
Indeno[1,2,3-cd]pyrene	760	J	970	120	ug/Kg	☼	08/23/16 06:20	08/24/16 01:59	5
Naphthalene	ND		970	130	ug/Kg	☼	08/23/16 06:20	08/24/16 01:59	5
Pentachlorophenol	ND		1900	970	ug/Kg	☼	08/23/16 06:20	08/24/16 01:59	5
Phenanthrene	1700		970	140	ug/Kg	☼	08/23/16 06:20	08/24/16 01:59	5
Phenol	ND		970	150	ug/Kg	☼	08/23/16 06:20	08/24/16 01:59	5
Pyrene	1900		970	110	ug/Kg	☼	08/23/16 06:20	08/24/16 01:59	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	89		39 - 146	08/23/16 06:20	08/24/16 01:59	5
2-Fluorobiphenyl	82		37 - 120	08/23/16 06:20	08/24/16 01:59	5
2-Fluorophenol (Surr)	67		18 - 120	08/23/16 06:20	08/24/16 01:59	5
Nitrobenzene-d5 (Surr)	72		34 - 132	08/23/16 06:20	08/24/16 01:59	5
Phenol-d5 (Surr)	72		11 - 120	08/23/16 06:20	08/24/16 01:59	5
p-Terphenyl-d14 (Surr)	84		65 - 153	08/23/16 06:20	08/24/16 01:59	5

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.9	0.37	ug/Kg	☼	08/22/16 07:09	08/24/16 15:53	1
4,4'-DDE	1.4	J	1.9	0.40	ug/Kg	☼	08/22/16 07:09	08/24/16 15:53	1
4,4'-DDT	3.7		1.9	0.44	ug/Kg	☼	08/22/16 07:09	08/24/16 15:53	1
Aldrin	ND		1.9	0.47	ug/Kg	☼	08/22/16 07:09	08/24/16 15:53	1
alpha-BHC	ND		1.9	0.34	ug/Kg	☼	08/22/16 07:09	08/24/16 15:53	1
alpha-Chlordane	ND		1.9	0.95	ug/Kg	☼	08/22/16 07:09	08/24/16 15:53	1
beta-BHC	ND		1.9	0.34	ug/Kg	☼	08/22/16 07:09	08/24/16 15:53	1
delta-BHC	ND		1.9	0.35	ug/Kg	☼	08/22/16 07:09	08/24/16 15:53	1
Dieldrin	29		1.9	0.46	ug/Kg	☼	08/22/16 07:09	08/24/16 15:53	1
Endosulfan I	ND		1.9	0.37	ug/Kg	☼	08/22/16 07:09	08/24/16 15:53	1

TestAmerica Buffalo

Client Sample Results

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Client Sample ID: SS-11-081716

Lab Sample ID: 480-104754-12

Date Collected: 08/17/16 15:30

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 87.0

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan II	ND		1.9	0.34	ug/Kg	☼	08/22/16 07:09	08/24/16 15:53	1
Endosulfan sulfate	ND		1.9	0.35	ug/Kg	☼	08/22/16 07:09	08/24/16 15:53	1
Endrin	ND		1.9	0.38	ug/Kg	☼	08/22/16 07:09	08/24/16 15:53	1
Endrin aldehyde	ND		1.9	0.49	ug/Kg	☼	08/22/16 07:09	08/24/16 15:53	1
Endrin ketone	ND		1.9	0.47	ug/Kg	☼	08/22/16 07:09	08/24/16 15:53	1
gamma-BHC (Lindane)	ND		1.9	0.35	ug/Kg	☼	08/22/16 07:09	08/24/16 15:53	1
gamma-Chlordane	ND		1.9	0.60	ug/Kg	☼	08/22/16 07:09	08/24/16 15:53	1
Heptachlor	ND		1.9	0.41	ug/Kg	☼	08/22/16 07:09	08/24/16 15:53	1
Heptachlor epoxide	ND		1.9	0.49	ug/Kg	☼	08/22/16 07:09	08/24/16 15:53	1
Methoxychlor	ND		1.9	0.39	ug/Kg	☼	08/22/16 07:09	08/24/16 15:53	1
Toxaphene	ND		19	11	ug/Kg	☼	08/22/16 07:09	08/24/16 15:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	140	X	45 - 120				08/22/16 07:09	08/24/16 15:53	1
Tetrachloro-m-xylene	62		30 - 124				08/22/16 07:09	08/24/16 15:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.22	0.043	mg/Kg	☼	08/22/16 11:18	08/23/16 00:11	1
PCB-1221	ND		0.22	0.043	mg/Kg	☼	08/22/16 11:18	08/23/16 00:11	1
PCB-1232	ND		0.22	0.043	mg/Kg	☼	08/22/16 11:18	08/23/16 00:11	1
PCB-1242	ND		0.22	0.043	mg/Kg	☼	08/22/16 11:18	08/23/16 00:11	1
PCB-1248	ND		0.22	0.043	mg/Kg	☼	08/22/16 11:18	08/23/16 00:11	1
PCB-1254	ND		0.22	0.10	mg/Kg	☼	08/22/16 11:18	08/23/16 00:11	1
PCB-1260	ND		0.22	0.10	mg/Kg	☼	08/22/16 11:18	08/23/16 00:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	105		65 - 174				08/22/16 11:18	08/23/16 00:11	1
Tetrachloro-m-xylene	114		60 - 154				08/22/16 11:18	08/23/16 00:11	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		18.8	0.50	mg/Kg	☼	08/19/16 12:47	08/23/16 05:14	1
Arsenic	6.7		2.5	0.50	mg/Kg	☼	08/19/16 12:47	08/23/16 05:14	1
Beryllium	0.76		0.25	0.035	mg/Kg	☼	08/19/16 12:47	08/23/16 05:14	1
Cadmium	1.3		0.25	0.038	mg/Kg	☼	08/19/16 12:47	08/23/16 05:14	1
Chromium	24.4		0.63	0.25	mg/Kg	☼	08/19/16 12:47	08/23/16 05:14	1
Copper	44.9		1.3	0.26	mg/Kg	☼	08/19/16 12:47	08/23/16 05:14	1
Lead	143		1.3	0.30	mg/Kg	☼	08/19/16 12:47	08/23/16 05:14	1
Nickel	30.2		6.3	0.29	mg/Kg	☼	08/19/16 12:47	08/23/16 05:14	1
Selenium	ND		5.0	0.50	mg/Kg	☼	08/19/16 12:47	08/23/16 05:14	1
Silver	0.70	J	0.75	0.25	mg/Kg	☼	08/19/16 12:47	08/23/16 05:14	1
Thallium	ND		7.5	0.38	mg/Kg	☼	08/19/16 12:47	08/23/16 05:14	1
Zinc	310	B	2.5	0.80	mg/Kg	☼	08/19/16 12:47	08/23/16 05:14	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.044		0.023	0.0093	mg/Kg	☼	08/19/16 12:00	08/19/16 15:53	1

TestAmerica Buffalo

Client Sample Results

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Client Sample ID: SS-12-081716

Lab Sample ID: 480-104754-13

Date Collected: 08/17/16 15:50

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 89.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		190	22	ug/Kg	☼	08/23/16 06:20	08/24/16 02:26	1
4-Methylphenol	ND		370	22	ug/Kg	☼	08/23/16 06:20	08/24/16 02:26	1
Acenaphthene	ND		190	28	ug/Kg	☼	08/23/16 06:20	08/24/16 02:26	1
Acenaphthylene	ND		190	25	ug/Kg	☼	08/23/16 06:20	08/24/16 02:26	1
Anthracene	ND		190	47	ug/Kg	☼	08/23/16 06:20	08/24/16 02:26	1
Benzo[a]anthracene	140	J	190	19	ug/Kg	☼	08/23/16 06:20	08/24/16 02:26	1
Benzo[a]pyrene	160	J	190	28	ug/Kg	☼	08/23/16 06:20	08/24/16 02:26	1
Benzo[b]fluoranthene	200		190	30	ug/Kg	☼	08/23/16 06:20	08/24/16 02:26	1
Benzo[g,h,i]perylene	140	J	190	20	ug/Kg	☼	08/23/16 06:20	08/24/16 02:26	1
Benzo[k]fluoranthene	94	J	190	25	ug/Kg	☼	08/23/16 06:20	08/24/16 02:26	1
Chrysene	160	J	190	42	ug/Kg	☼	08/23/16 06:20	08/24/16 02:26	1
Dibenz(a,h)anthracene	ND		190	33	ug/Kg	☼	08/23/16 06:20	08/24/16 02:26	1
Fluoranthene	250		190	20	ug/Kg	☼	08/23/16 06:20	08/24/16 02:26	1
Fluorene	ND		190	22	ug/Kg	☼	08/23/16 06:20	08/24/16 02:26	1
Hexachlorobenzene	ND		190	26	ug/Kg	☼	08/23/16 06:20	08/24/16 02:26	1
Indeno[1,2,3-cd]pyrene	130	J	190	23	ug/Kg	☼	08/23/16 06:20	08/24/16 02:26	1
Naphthalene	ND		190	25	ug/Kg	☼	08/23/16 06:20	08/24/16 02:26	1
Pentachlorophenol	ND		370	190	ug/Kg	☼	08/23/16 06:20	08/24/16 02:26	1
Phenanthrene	160	J	190	28	ug/Kg	☼	08/23/16 06:20	08/24/16 02:26	1
Phenol	ND		190	29	ug/Kg	☼	08/23/16 06:20	08/24/16 02:26	1
Pyrene	230		190	22	ug/Kg	☼	08/23/16 06:20	08/24/16 02:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	84		39 - 146	08/23/16 06:20	08/24/16 02:26	1
2-Fluorobiphenyl	82		37 - 120	08/23/16 06:20	08/24/16 02:26	1
2-Fluorophenol (Surr)	71		18 - 120	08/23/16 06:20	08/24/16 02:26	1
Nitrobenzene-d5 (Surr)	80		34 - 132	08/23/16 06:20	08/24/16 02:26	1
Phenol-d5 (Surr)	73		11 - 120	08/23/16 06:20	08/24/16 02:26	1
p-Terphenyl-d14 (Surr)	85		65 - 153	08/23/16 06:20	08/24/16 02:26	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.8	0.36	ug/Kg	☼	08/22/16 07:09	08/24/16 16:13	1
4,4'-DDE	0.74	J	1.8	0.39	ug/Kg	☼	08/22/16 07:09	08/24/16 16:13	1
4,4'-DDT	ND		1.8	0.43	ug/Kg	☼	08/22/16 07:09	08/24/16 16:13	1
Aldrin	ND		1.8	0.45	ug/Kg	☼	08/22/16 07:09	08/24/16 16:13	1
alpha-BHC	ND		1.8	0.33	ug/Kg	☼	08/22/16 07:09	08/24/16 16:13	1
alpha-Chlordane	ND		1.8	0.91	ug/Kg	☼	08/22/16 07:09	08/24/16 16:13	1
beta-BHC	ND		1.8	0.33	ug/Kg	☼	08/22/16 07:09	08/24/16 16:13	1
delta-BHC	ND		1.8	0.34	ug/Kg	☼	08/22/16 07:09	08/24/16 16:13	1
Dieldrin	3.6		1.8	0.44	ug/Kg	☼	08/22/16 07:09	08/24/16 16:13	1
Endosulfan I	ND		1.8	0.35	ug/Kg	☼	08/22/16 07:09	08/24/16 16:13	1
Endosulfan II	ND		1.8	0.33	ug/Kg	☼	08/22/16 07:09	08/24/16 16:13	1
Endosulfan sulfate	ND		1.8	0.34	ug/Kg	☼	08/22/16 07:09	08/24/16 16:13	1
Endrin	ND		1.8	0.36	ug/Kg	☼	08/22/16 07:09	08/24/16 16:13	1
Endrin aldehyde	ND		1.8	0.47	ug/Kg	☼	08/22/16 07:09	08/24/16 16:13	1
Endrin ketone	ND		1.8	0.45	ug/Kg	☼	08/22/16 07:09	08/24/16 16:13	1
gamma-BHC (Lindane)	ND		1.8	0.34	ug/Kg	☼	08/22/16 07:09	08/24/16 16:13	1
gamma-Chlordane	ND		1.8	0.58	ug/Kg	☼	08/22/16 07:09	08/24/16 16:13	1
Heptachlor	ND		1.8	0.40	ug/Kg	☼	08/22/16 07:09	08/24/16 16:13	1

TestAmerica Buffalo

Client Sample Results

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Client Sample ID: SS-12-081716

Lab Sample ID: 480-104754-13

Date Collected: 08/17/16 15:50

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 89.3

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Heptachlor epoxide	ND		1.8	0.47	ug/Kg	☼	08/22/16 07:09	08/24/16 16:13	1
Methoxychlor	ND		1.8	0.37	ug/Kg	☼	08/22/16 07:09	08/24/16 16:13	1
Toxaphene	ND		18	11	ug/Kg	☼	08/22/16 07:09	08/24/16 16:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	164	X	45 - 120				08/22/16 07:09	08/24/16 16:13	1
Tetrachloro-m-xylene	68		30 - 124				08/22/16 07:09	08/24/16 16:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.22	0.043	mg/Kg	☼	08/22/16 11:18	08/23/16 00:27	1
PCB-1221	ND		0.22	0.043	mg/Kg	☼	08/22/16 11:18	08/23/16 00:27	1
PCB-1232	ND		0.22	0.043	mg/Kg	☼	08/22/16 11:18	08/23/16 00:27	1
PCB-1242	ND		0.22	0.043	mg/Kg	☼	08/22/16 11:18	08/23/16 00:27	1
PCB-1248	ND		0.22	0.043	mg/Kg	☼	08/22/16 11:18	08/23/16 00:27	1
PCB-1254	ND		0.22	0.10	mg/Kg	☼	08/22/16 11:18	08/23/16 00:27	1
PCB-1260	ND		0.22	0.10	mg/Kg	☼	08/22/16 11:18	08/23/16 00:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	105		65 - 174				08/22/16 11:18	08/23/16 00:27	1
Tetrachloro-m-xylene	114		60 - 154				08/22/16 11:18	08/23/16 00:27	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		17.0	0.45	mg/Kg	☼	08/19/16 12:47	08/23/16 01:44	1
Arsenic	5.1		2.3	0.45	mg/Kg	☼	08/19/16 12:47	08/23/16 01:44	1
Beryllium	0.85		0.23	0.032	mg/Kg	☼	08/19/16 12:47	08/23/16 01:44	1
Cadmium	0.30		0.23	0.034	mg/Kg	☼	08/19/16 12:47	08/23/16 01:44	1
Chromium	24.7		0.57	0.23	mg/Kg	☼	08/19/16 12:47	08/23/16 01:44	1
Copper	31.8		1.1	0.24	mg/Kg	☼	08/19/16 12:47	08/23/16 01:44	1
Lead	55.8		1.1	0.27	mg/Kg	☼	08/19/16 12:47	08/23/16 01:44	1
Nickel	27.1		5.7	0.26	mg/Kg	☼	08/19/16 12:47	08/23/16 01:44	1
Selenium	ND		4.5	0.45	mg/Kg	☼	08/19/16 12:47	08/23/16 01:44	1
Silver	0.33	J	0.68	0.23	mg/Kg	☼	08/19/16 12:47	08/23/16 01:44	1
Thallium	ND		6.8	0.34	mg/Kg	☼	08/19/16 12:47	08/23/16 01:44	1
Zinc	83.3		2.3	0.72	mg/Kg	☼	08/19/16 12:47	08/23/16 01:44	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.029		0.023	0.0092	mg/Kg	☼	08/19/16 12:00	08/19/16 15:55	1

Client Sample ID: SS-13-081716

Lab Sample ID: 480-104754-14

Date Collected: 08/17/16 16:05

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 86.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		190	23	ug/Kg	☼	08/23/16 06:20	08/24/16 02:52	1
4-Methylphenol	ND		380	23	ug/Kg	☼	08/23/16 06:20	08/24/16 02:52	1
Acenaphthene	ND		190	28	ug/Kg	☼	08/23/16 06:20	08/24/16 02:52	1
Acenaphthylene	ND		190	25	ug/Kg	☼	08/23/16 06:20	08/24/16 02:52	1

TestAmerica Buffalo

Client Sample Results

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Client Sample ID: SS-13-081716

Lab Sample ID: 480-104754-14

Date Collected: 08/17/16 16:05

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 86.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		190	48	ug/Kg	☼	08/23/16 06:20	08/24/16 02:52	1
Benzo[a]anthracene	110	J	190	19	ug/Kg	☼	08/23/16 06:20	08/24/16 02:52	1
Benzo[a]pyrene	93	J	190	28	ug/Kg	☼	08/23/16 06:20	08/24/16 02:52	1
Benzo[b]fluoranthene	130	J	190	31	ug/Kg	☼	08/23/16 06:20	08/24/16 02:52	1
Benzo[g,h,i]perylene	88	J	190	20	ug/Kg	☼	08/23/16 06:20	08/24/16 02:52	1
Benzo[k]fluoranthene	54	J	190	25	ug/Kg	☼	08/23/16 06:20	08/24/16 02:52	1
Chrysene	110	J	190	43	ug/Kg	☼	08/23/16 06:20	08/24/16 02:52	1
Dibenz(a,h)anthracene	ND		190	34	ug/Kg	☼	08/23/16 06:20	08/24/16 02:52	1
Fluoranthene	200		190	20	ug/Kg	☼	08/23/16 06:20	08/24/16 02:52	1
Fluorene	ND		190	23	ug/Kg	☼	08/23/16 06:20	08/24/16 02:52	1
Hexachlorobenzene	ND		190	26	ug/Kg	☼	08/23/16 06:20	08/24/16 02:52	1
Indeno[1,2,3-cd]pyrene	98	J	190	24	ug/Kg	☼	08/23/16 06:20	08/24/16 02:52	1
Naphthalene	ND		190	25	ug/Kg	☼	08/23/16 06:20	08/24/16 02:52	1
Pentachlorophenol	ND		380	190	ug/Kg	☼	08/23/16 06:20	08/24/16 02:52	1
Phenanthrene	130	J	190	28	ug/Kg	☼	08/23/16 06:20	08/24/16 02:52	1
Phenol	ND		190	30	ug/Kg	☼	08/23/16 06:20	08/24/16 02:52	1
Pyrene	170	J	190	23	ug/Kg	☼	08/23/16 06:20	08/24/16 02:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	86		39 - 146	08/23/16 06:20	08/24/16 02:52	1
2-Fluorobiphenyl	77		37 - 120	08/23/16 06:20	08/24/16 02:52	1
2-Fluorophenol (Surr)	68		18 - 120	08/23/16 06:20	08/24/16 02:52	1
Nitrobenzene-d5 (Surr)	77		34 - 132	08/23/16 06:20	08/24/16 02:52	1
Phenol-d5 (Surr)	71		11 - 120	08/23/16 06:20	08/24/16 02:52	1
p-Terphenyl-d14 (Surr)	81		65 - 153	08/23/16 06:20	08/24/16 02:52	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.9	0.36	ug/Kg	☼	08/22/16 07:09	08/24/16 16:32	1
4,4'-DDE	0.85	J	1.9	0.39	ug/Kg	☼	08/22/16 07:09	08/24/16 16:32	1
4,4'-DDT	ND		1.9	0.44	ug/Kg	☼	08/22/16 07:09	08/24/16 16:32	1
Aldrin	ND		1.9	0.46	ug/Kg	☼	08/22/16 07:09	08/24/16 16:32	1
alpha-BHC	ND		1.9	0.34	ug/Kg	☼	08/22/16 07:09	08/24/16 16:32	1
alpha-Chlordane	ND		1.9	0.93	ug/Kg	☼	08/22/16 07:09	08/24/16 16:32	1
beta-BHC	ND		1.9	0.34	ug/Kg	☼	08/22/16 07:09	08/24/16 16:32	1
delta-BHC	ND		1.9	0.35	ug/Kg	☼	08/22/16 07:09	08/24/16 16:32	1
Dieldrin	0.52	J	1.9	0.45	ug/Kg	☼	08/22/16 07:09	08/24/16 16:32	1
Endosulfan I	ND		1.9	0.36	ug/Kg	☼	08/22/16 07:09	08/24/16 16:32	1
Endosulfan II	ND		1.9	0.34	ug/Kg	☼	08/22/16 07:09	08/24/16 16:32	1
Endosulfan sulfate	ND		1.9	0.35	ug/Kg	☼	08/22/16 07:09	08/24/16 16:32	1
Endrin	ND		1.9	0.37	ug/Kg	☼	08/22/16 07:09	08/24/16 16:32	1
Endrin aldehyde	ND		1.9	0.48	ug/Kg	☼	08/22/16 07:09	08/24/16 16:32	1
Endrin ketone	ND		1.9	0.46	ug/Kg	☼	08/22/16 07:09	08/24/16 16:32	1
gamma-BHC (Lindane)	ND		1.9	0.34	ug/Kg	☼	08/22/16 07:09	08/24/16 16:32	1
gamma-Chlordane	ND		1.9	0.59	ug/Kg	☼	08/22/16 07:09	08/24/16 16:32	1
Heptachlor	ND		1.9	0.40	ug/Kg	☼	08/22/16 07:09	08/24/16 16:32	1
Heptachlor epoxide	ND		1.9	0.48	ug/Kg	☼	08/22/16 07:09	08/24/16 16:32	1
Methoxychlor	ND		1.9	0.38	ug/Kg	☼	08/22/16 07:09	08/24/16 16:32	1
Toxaphene	ND		19	11	ug/Kg	☼	08/22/16 07:09	08/24/16 16:32	1

TestAmerica Buffalo

Client Sample Results

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Client Sample ID: SS-13-081716

Lab Sample ID: 480-104754-14

Date Collected: 08/17/16 16:05

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 86.6

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	168	X	45 - 120	08/22/16 07:09	08/24/16 16:32	1
Tetrachloro-m-xylene	63		30 - 124	08/22/16 07:09	08/24/16 16:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.25	0.049	mg/Kg	☼	08/22/16 11:18	08/23/16 00:42	1
PCB-1221	ND		0.25	0.049	mg/Kg	☼	08/22/16 11:18	08/23/16 00:42	1
PCB-1232	ND		0.25	0.049	mg/Kg	☼	08/22/16 11:18	08/23/16 00:42	1
PCB-1242	ND		0.25	0.049	mg/Kg	☼	08/22/16 11:18	08/23/16 00:42	1
PCB-1248	ND		0.25	0.049	mg/Kg	☼	08/22/16 11:18	08/23/16 00:42	1
PCB-1254	ND		0.25	0.12	mg/Kg	☼	08/22/16 11:18	08/23/16 00:42	1
PCB-1260	ND		0.25	0.12	mg/Kg	☼	08/22/16 11:18	08/23/16 00:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	106		65 - 174	08/22/16 11:18	08/23/16 00:42	1
Tetrachloro-m-xylene	116		60 - 154	08/22/16 11:18	08/23/16 00:42	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		16.9	0.45	mg/Kg	☼	08/19/16 12:47	08/23/16 01:48	1
Arsenic	4.6		2.3	0.45	mg/Kg	☼	08/19/16 12:47	08/23/16 01:48	1
Beryllium	0.77		0.23	0.032	mg/Kg	☼	08/19/16 12:47	08/23/16 01:48	1
Cadmium	0.40		0.23	0.034	mg/Kg	☼	08/19/16 12:47	08/23/16 01:48	1
Chromium	23.9		0.56	0.23	mg/Kg	☼	08/19/16 12:47	08/23/16 01:48	1
Copper	20.4		1.1	0.24	mg/Kg	☼	08/19/16 12:47	08/23/16 01:48	1
Lead	39.0		1.1	0.27	mg/Kg	☼	08/19/16 12:47	08/23/16 01:48	1
Nickel	24.4		5.6	0.26	mg/Kg	☼	08/19/16 12:47	08/23/16 01:48	1
Selenium	ND		4.5	0.45	mg/Kg	☼	08/19/16 12:47	08/23/16 01:48	1
Silver	0.30	J	0.68	0.23	mg/Kg	☼	08/19/16 12:47	08/23/16 01:48	1
Thallium	ND		6.8	0.34	mg/Kg	☼	08/19/16 12:47	08/23/16 01:48	1
Zinc	118		2.3	0.72	mg/Kg	☼	08/19/16 12:47	08/23/16 01:48	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.041		0.022	0.0091	mg/Kg	☼	08/19/16 12:00	08/19/16 15:59	1

Client Sample ID: SS-14-081716

Lab Sample ID: 480-104754-15

Date Collected: 08/17/16 16:30

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 88.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		960	110	ug/Kg	☼	08/24/16 06:45	08/25/16 11:17	5
4-Methylphenol	ND		1900	110	ug/Kg	☼	08/24/16 06:45	08/25/16 11:17	5
Acenaphthene	ND		960	140	ug/Kg	☼	08/24/16 06:45	08/25/16 11:17	5
Acenaphthylene	ND		960	120	ug/Kg	☼	08/24/16 06:45	08/25/16 11:17	5
Anthracene	ND		960	240	ug/Kg	☼	08/24/16 06:45	08/25/16 11:17	5
Benzo[a]anthracene	ND		960	96	ug/Kg	☼	08/24/16 06:45	08/25/16 11:17	5
Benzo[a]pyrene	ND		960	140	ug/Kg	☼	08/24/16 06:45	08/25/16 11:17	5
Benzo[b]fluoranthene	ND		960	150	ug/Kg	☼	08/24/16 06:45	08/25/16 11:17	5
Benzo[g,h,i]perylene	ND		960	100	ug/Kg	☼	08/24/16 06:45	08/25/16 11:17	5

TestAmerica Buffalo

Client Sample Results

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Client Sample ID: SS-14-081716

Lab Sample ID: 480-104754-15

Date Collected: 08/17/16 16:30

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 88.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	ND		960	120	ug/Kg	☼	08/24/16 06:45	08/25/16 11:17	5
Chrysene	ND		960	210	ug/Kg	☼	08/24/16 06:45	08/25/16 11:17	5
Dibenz(a,h)anthracene	ND		960	170	ug/Kg	☼	08/24/16 06:45	08/25/16 11:17	5
Fluoranthene	ND		960	100	ug/Kg	☼	08/24/16 06:45	08/25/16 11:17	5
Fluorene	ND		960	110	ug/Kg	☼	08/24/16 06:45	08/25/16 11:17	5
Hexachlorobenzene	ND		960	130	ug/Kg	☼	08/24/16 06:45	08/25/16 11:17	5
Indeno[1,2,3-cd]pyrene	ND		960	120	ug/Kg	☼	08/24/16 06:45	08/25/16 11:17	5
Naphthalene	ND		960	120	ug/Kg	☼	08/24/16 06:45	08/25/16 11:17	5
Pentachlorophenol	ND		1900	960	ug/Kg	☼	08/24/16 06:45	08/25/16 11:17	5
Phenanthrene	ND		960	140	ug/Kg	☼	08/24/16 06:45	08/25/16 11:17	5
Phenol	ND		960	150	ug/Kg	☼	08/24/16 06:45	08/25/16 11:17	5
Pyrene	ND		960	110	ug/Kg	☼	08/24/16 06:45	08/25/16 11:17	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	83		39 - 146	08/24/16 06:45	08/25/16 11:17	5
2-Fluorobiphenyl	82		37 - 120	08/24/16 06:45	08/25/16 11:17	5
2-Fluorophenol (Surr)	77		18 - 120	08/24/16 06:45	08/25/16 11:17	5
Nitrobenzene-d5 (Surr)	73		34 - 132	08/24/16 06:45	08/25/16 11:17	5
Phenol-d5 (Surr)	79		11 - 120	08/24/16 06:45	08/25/16 11:17	5
p-Terphenyl-d14 (Surr)	83		65 - 153	08/24/16 06:45	08/25/16 11:17	5

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.8	0.36	ug/Kg	☼	08/22/16 07:09	08/25/16 11:13	1
4,4'-DDE	0.77	J	1.8	0.39	ug/Kg	☼	08/22/16 07:09	08/25/16 11:13	1
4,4'-DDT	ND		1.8	0.43	ug/Kg	☼	08/22/16 07:09	08/25/16 11:13	1
Aldrin	ND		1.8	0.45	ug/Kg	☼	08/22/16 07:09	08/25/16 11:13	1
alpha-BHC	0.57	J	1.8	0.33	ug/Kg	☼	08/22/16 07:09	08/25/16 11:13	1
alpha-Chlordane	ND		1.8	0.91	ug/Kg	☼	08/22/16 07:09	08/25/16 11:13	1
beta-BHC	ND		1.8	0.33	ug/Kg	☼	08/22/16 07:09	08/25/16 11:13	1
delta-BHC	ND		1.8	0.34	ug/Kg	☼	08/22/16 07:09	08/25/16 11:13	1
Dieldrin	ND		1.8	0.44	ug/Kg	☼	08/22/16 07:09	08/25/16 11:13	1
Endosulfan I	ND		1.8	0.35	ug/Kg	☼	08/22/16 07:09	08/25/16 11:13	1
Endosulfan II	ND		1.8	0.33	ug/Kg	☼	08/22/16 07:09	08/25/16 11:13	1
Endosulfan sulfate	ND		1.8	0.34	ug/Kg	☼	08/22/16 07:09	08/25/16 11:13	1
Endrin	ND		1.8	0.36	ug/Kg	☼	08/22/16 07:09	08/25/16 11:13	1
Endrin aldehyde	ND		1.8	0.47	ug/Kg	☼	08/22/16 07:09	08/25/16 11:13	1
Endrin ketone	ND		1.8	0.45	ug/Kg	☼	08/22/16 07:09	08/25/16 11:13	1
gamma-BHC (Lindane)	ND		1.8	0.34	ug/Kg	☼	08/22/16 07:09	08/25/16 11:13	1
gamma-Chlordane	ND		1.8	0.58	ug/Kg	☼	08/22/16 07:09	08/25/16 11:13	1
Heptachlor	ND		1.8	0.40	ug/Kg	☼	08/22/16 07:09	08/25/16 11:13	1
Heptachlor epoxide	ND		1.8	0.47	ug/Kg	☼	08/22/16 07:09	08/25/16 11:13	1
Methoxychlor	ND		1.8	0.37	ug/Kg	☼	08/22/16 07:09	08/25/16 11:13	1
Toxaphene	ND		18	11	ug/Kg	☼	08/22/16 07:09	08/25/16 11:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	102		45 - 120	08/22/16 07:09	08/25/16 11:13	1
Tetrachloro-m-xylene	69		30 - 124	08/22/16 07:09	08/25/16 11:13	1

TestAmerica Buffalo

Client Sample Results

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Client Sample ID: SS-14-081716

Lab Sample ID: 480-104754-15

Date Collected: 08/17/16 16:30

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 88.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.24	0.046	mg/Kg	☼	08/22/16 11:18	08/23/16 00:57	1
PCB-1221	ND		0.24	0.046	mg/Kg	☼	08/22/16 11:18	08/23/16 00:57	1
PCB-1232	ND		0.24	0.046	mg/Kg	☼	08/22/16 11:18	08/23/16 00:57	1
PCB-1242	ND		0.24	0.046	mg/Kg	☼	08/22/16 11:18	08/23/16 00:57	1
PCB-1248	ND		0.24	0.046	mg/Kg	☼	08/22/16 11:18	08/23/16 00:57	1
PCB-1254	ND		0.24	0.11	mg/Kg	☼	08/22/16 11:18	08/23/16 00:57	1
PCB-1260	ND		0.24	0.11	mg/Kg	☼	08/22/16 11:18	08/23/16 00:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	102		65 - 174	08/22/16 11:18	08/23/16 00:57	1
Tetrachloro-m-xylene	110		60 - 154	08/22/16 11:18	08/23/16 00:57	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		17.5	0.47	mg/Kg	☼	08/19/16 12:47	08/23/16 01:51	1
Arsenic	5.6		2.3	0.47	mg/Kg	☼	08/19/16 12:47	08/23/16 01:51	1
Beryllium	0.66		0.23	0.033	mg/Kg	☼	08/19/16 12:47	08/23/16 01:51	1
Cadmium	0.32		0.23	0.035	mg/Kg	☼	08/19/16 12:47	08/23/16 01:51	1
Chromium	26.1		0.58	0.23	mg/Kg	☼	08/19/16 12:47	08/23/16 01:51	1
Copper	21.6		1.2	0.24	mg/Kg	☼	08/19/16 12:47	08/23/16 01:51	1
Lead	33.5		1.2	0.28	mg/Kg	☼	08/19/16 12:47	08/23/16 01:51	1
Nickel	25.7		5.8	0.27	mg/Kg	☼	08/19/16 12:47	08/23/16 01:51	1
Selenium	ND		4.7	0.47	mg/Kg	☼	08/19/16 12:47	08/23/16 01:51	1
Silver	ND		0.70	0.23	mg/Kg	☼	08/19/16 12:47	08/23/16 01:51	1
Thallium	ND		7.0	0.35	mg/Kg	☼	08/19/16 12:47	08/23/16 01:51	1
Zinc	180		2.3	0.75	mg/Kg	☼	08/19/16 12:47	08/23/16 01:51	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.019	J	0.022	0.0090	mg/Kg	☼	08/19/16 12:00	08/19/16 16:01	1

Client Sample ID: SS-15-081716

Lab Sample ID: 480-104754-16

Date Collected: 08/17/16 16:50

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 89.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		940	110	ug/Kg	☼	08/24/16 06:45	08/25/16 11:43	5
4-Methylphenol	ND		1800	110	ug/Kg	☼	08/24/16 06:45	08/25/16 11:43	5
Acenaphthene	ND		940	140	ug/Kg	☼	08/24/16 06:45	08/25/16 11:43	5
Acenaphthylene	ND		940	120	ug/Kg	☼	08/24/16 06:45	08/25/16 11:43	5
Anthracene	ND		940	230	ug/Kg	☼	08/24/16 06:45	08/25/16 11:43	5
Benzo[a]anthracene	230	J	940	94	ug/Kg	☼	08/24/16 06:45	08/25/16 11:43	5
Benzo[a]pyrene	190	J	940	140	ug/Kg	☼	08/24/16 06:45	08/25/16 11:43	5
Benzo[b]fluoranthene	310	J	940	150	ug/Kg	☼	08/24/16 06:45	08/25/16 11:43	5
Benzo[g,h,i]perylene	110	J	940	99	ug/Kg	☼	08/24/16 06:45	08/25/16 11:43	5
Benzo[k]fluoranthene	ND		940	120	ug/Kg	☼	08/24/16 06:45	08/25/16 11:43	5
Chrysene	220	J	940	210	ug/Kg	☼	08/24/16 06:45	08/25/16 11:43	5
Dibenz(a,h)anthracene	ND		940	170	ug/Kg	☼	08/24/16 06:45	08/25/16 11:43	5
Fluoranthene	430	J	940	99	ug/Kg	☼	08/24/16 06:45	08/25/16 11:43	5

TestAmerica Buffalo

Client Sample Results

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Client Sample ID: SS-15-081716

Lab Sample ID: 480-104754-16

Date Collected: 08/17/16 16:50

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 89.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	ND		940	110	ug/Kg	☼	08/24/16 06:45	08/25/16 11:43	5
Hexachlorobenzene	ND		940	130	ug/Kg	☼	08/24/16 06:45	08/25/16 11:43	5
Indeno[1,2,3-cd]pyrene	ND		940	120	ug/Kg	☼	08/24/16 06:45	08/25/16 11:43	5
Naphthalene	ND		940	120	ug/Kg	☼	08/24/16 06:45	08/25/16 11:43	5
Pentachlorophenol	ND		1800	940	ug/Kg	☼	08/24/16 06:45	08/25/16 11:43	5
Phenanthrene	260	J	940	140	ug/Kg	☼	08/24/16 06:45	08/25/16 11:43	5
Phenol	ND		940	140	ug/Kg	☼	08/24/16 06:45	08/25/16 11:43	5
Pyrene	320	J	940	110	ug/Kg	☼	08/24/16 06:45	08/25/16 11:43	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	84		39 - 146	08/24/16 06:45	08/25/16 11:43	5
2-Fluorobiphenyl	77		37 - 120	08/24/16 06:45	08/25/16 11:43	5
2-Fluorophenol (Surr)	76		18 - 120	08/24/16 06:45	08/25/16 11:43	5
Nitrobenzene-d5 (Surr)	64		34 - 132	08/24/16 06:45	08/25/16 11:43	5
Phenol-d5 (Surr)	79		11 - 120	08/24/16 06:45	08/25/16 11:43	5
p-Terphenyl-d14 (Surr)	75		65 - 153	08/24/16 06:45	08/25/16 11:43	5

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		37	7.2	ug/Kg	☼	08/22/16 07:09	08/25/16 11:33	20
4,4'-DDE	ND		37	7.7	ug/Kg	☼	08/22/16 07:09	08/25/16 11:33	20
4,4'-DDT	ND		37	8.6	ug/Kg	☼	08/22/16 07:09	08/25/16 11:33	20
Aldrin	ND		37	9.1	ug/Kg	☼	08/22/16 07:09	08/25/16 11:33	20
alpha-BHC	ND		37	6.6	ug/Kg	☼	08/22/16 07:09	08/25/16 11:33	20
alpha-Chlordane	ND		37	18	ug/Kg	☼	08/22/16 07:09	08/25/16 11:33	20
beta-BHC	ND		37	6.6	ug/Kg	☼	08/22/16 07:09	08/25/16 11:33	20
delta-BHC	ND		37	6.9	ug/Kg	☼	08/22/16 07:09	08/25/16 11:33	20
Dieldrin	ND		37	8.8	ug/Kg	☼	08/22/16 07:09	08/25/16 11:33	20
Endosulfan I	ND		37	7.1	ug/Kg	☼	08/22/16 07:09	08/25/16 11:33	20
Endosulfan II	ND		37	6.6	ug/Kg	☼	08/22/16 07:09	08/25/16 11:33	20
Endosulfan sulfate	ND		37	6.9	ug/Kg	☼	08/22/16 07:09	08/25/16 11:33	20
Endrin	ND		37	7.3	ug/Kg	☼	08/22/16 07:09	08/25/16 11:33	20
Endrin aldehyde	ND		37	9.4	ug/Kg	☼	08/22/16 07:09	08/25/16 11:33	20
Endrin ketone	ND		37	9.1	ug/Kg	☼	08/22/16 07:09	08/25/16 11:33	20
gamma-BHC (Lindane)	ND		37	6.8	ug/Kg	☼	08/22/16 07:09	08/25/16 11:33	20
gamma-Chlordane	ND		37	12	ug/Kg	☼	08/22/16 07:09	08/25/16 11:33	20
Heptachlor	ND		37	8.0	ug/Kg	☼	08/22/16 07:09	08/25/16 11:33	20
Heptachlor epoxide	ND		37	9.5	ug/Kg	☼	08/22/16 07:09	08/25/16 11:33	20
Methoxychlor	ND		37	7.5	ug/Kg	☼	08/22/16 07:09	08/25/16 11:33	20
Toxaphene	ND		370	210	ug/Kg	☼	08/22/16 07:09	08/25/16 11:33	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	X	45 - 120	08/22/16 07:09	08/25/16 11:33	20
Tetrachloro-m-xylene	177	X	30 - 124	08/22/16 07:09	08/25/16 11:33	20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.23	0.045	mg/Kg	☼	08/22/16 11:18	08/23/16 01:13	1
PCB-1221	ND		0.23	0.045	mg/Kg	☼	08/22/16 11:18	08/23/16 01:13	1
PCB-1232	ND		0.23	0.045	mg/Kg	☼	08/22/16 11:18	08/23/16 01:13	1

TestAmerica Buffalo

Client Sample Results

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Client Sample ID: SS-15-081716

Lab Sample ID: 480-104754-16

Date Collected: 08/17/16 16:50

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 89.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1242	ND		0.23	0.045	mg/Kg	☼	08/22/16 11:18	08/23/16 01:13	1
PCB-1248	ND		0.23	0.045	mg/Kg	☼	08/22/16 11:18	08/23/16 01:13	1
PCB-1254	ND		0.23	0.11	mg/Kg	☼	08/22/16 11:18	08/23/16 01:13	1
PCB-1260	ND		0.23	0.11	mg/Kg	☼	08/22/16 11:18	08/23/16 01:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	105		65 - 174				08/22/16 11:18	08/23/16 01:13	1
Tetrachloro-m-xylene	113		60 - 154				08/22/16 11:18	08/23/16 01:13	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		17.0	0.45	mg/Kg	☼	08/19/16 12:47	08/23/16 01:55	1
Arsenic	3.9		2.3	0.45	mg/Kg	☼	08/19/16 12:47	08/23/16 01:55	1
Beryllium	0.74		0.23	0.032	mg/Kg	☼	08/19/16 12:47	08/23/16 01:55	1
Cadmium	0.21	J	0.23	0.034	mg/Kg	☼	08/19/16 12:47	08/23/16 01:55	1
Chromium	21.8		0.57	0.23	mg/Kg	☼	08/19/16 12:47	08/23/16 01:55	1
Copper	15.5		1.1	0.24	mg/Kg	☼	08/19/16 12:47	08/23/16 01:55	1
Lead	11.6		1.1	0.27	mg/Kg	☼	08/19/16 12:47	08/23/16 01:55	1
Nickel	25.5		5.7	0.26	mg/Kg	☼	08/19/16 12:47	08/23/16 01:55	1
Selenium	ND		4.5	0.45	mg/Kg	☼	08/19/16 12:47	08/23/16 01:55	1
Silver	ND		0.68	0.23	mg/Kg	☼	08/19/16 12:47	08/23/16 01:55	1
Thallium	ND		6.8	0.34	mg/Kg	☼	08/19/16 12:47	08/23/16 01:55	1
Zinc	65.9		2.3	0.73	mg/Kg	☼	08/19/16 12:47	08/23/16 01:55	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.023		0.022	0.0090	mg/Kg	☼	08/19/16 12:00	08/19/16 16:02	1

Client Sample ID: SS-16-081716

Lab Sample ID: 480-104754-17

Date Collected: 08/17/16 17:10

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 87.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		970	110	ug/Kg	☼	08/24/16 06:45	08/25/16 12:10	5
4-Methylphenol	ND		1900	110	ug/Kg	☼	08/24/16 06:45	08/25/16 12:10	5
Acenaphthene	ND		970	140	ug/Kg	☼	08/24/16 06:45	08/25/16 12:10	5
Acenaphthylene	ND		970	120	ug/Kg	☼	08/24/16 06:45	08/25/16 12:10	5
Anthracene	ND		970	240	ug/Kg	☼	08/24/16 06:45	08/25/16 12:10	5
Benzo[a]anthracene	ND		970	97	ug/Kg	☼	08/24/16 06:45	08/25/16 12:10	5
Benzo[a]pyrene	ND		970	140	ug/Kg	☼	08/24/16 06:45	08/25/16 12:10	5
Benzo[b]fluoranthene	ND		970	150	ug/Kg	☼	08/24/16 06:45	08/25/16 12:10	5
Benzo[g,h,i]perylene	ND		970	100	ug/Kg	☼	08/24/16 06:45	08/25/16 12:10	5
Benzo[k]fluoranthene	ND		970	120	ug/Kg	☼	08/24/16 06:45	08/25/16 12:10	5
Chrysene	ND		970	220	ug/Kg	☼	08/24/16 06:45	08/25/16 12:10	5
Dibenz(a,h)anthracene	ND		970	170	ug/Kg	☼	08/24/16 06:45	08/25/16 12:10	5
Fluoranthene	ND		970	100	ug/Kg	☼	08/24/16 06:45	08/25/16 12:10	5
Fluorene	ND		970	110	ug/Kg	☼	08/24/16 06:45	08/25/16 12:10	5
Hexachlorobenzene	ND		970	130	ug/Kg	☼	08/24/16 06:45	08/25/16 12:10	5
Indeno[1,2,3-cd]pyrene	ND		970	120	ug/Kg	☼	08/24/16 06:45	08/25/16 12:10	5

TestAmerica Buffalo

Client Sample Results

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Client Sample ID: SS-16-081716

Lab Sample ID: 480-104754-17

Date Collected: 08/17/16 17:10

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 87.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		970	120	ug/Kg	☼	08/24/16 06:45	08/25/16 12:10	5
Pentachlorophenol	ND		1900	970	ug/Kg	☼	08/24/16 06:45	08/25/16 12:10	5
Phenanthrene	ND		970	140	ug/Kg	☼	08/24/16 06:45	08/25/16 12:10	5
Phenol	ND		970	150	ug/Kg	☼	08/24/16 06:45	08/25/16 12:10	5
Pyrene	ND		970	110	ug/Kg	☼	08/24/16 06:45	08/25/16 12:10	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	84		39 - 146	08/24/16 06:45	08/25/16 12:10	5
2-Fluorobiphenyl	82		37 - 120	08/24/16 06:45	08/25/16 12:10	5
2-Fluorophenol (Surr)	70		18 - 120	08/24/16 06:45	08/25/16 12:10	5
Nitrobenzene-d5 (Surr)	63		34 - 132	08/24/16 06:45	08/25/16 12:10	5
Phenol-d5 (Surr)	75		11 - 120	08/24/16 06:45	08/25/16 12:10	5
p-Terphenyl-d14 (Surr)	79		65 - 153	08/24/16 06:45	08/25/16 12:10	5

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.9	0.37	ug/Kg	☼	08/22/16 07:09	08/25/16 11:52	1
4,4'-DDE	0.78	J	1.9	0.40	ug/Kg	☼	08/22/16 07:09	08/25/16 11:52	1
4,4'-DDT	ND		1.9	0.44	ug/Kg	☼	08/22/16 07:09	08/25/16 11:52	1
Aldrin	ND		1.9	0.47	ug/Kg	☼	08/22/16 07:09	08/25/16 11:52	1
alpha-BHC	ND		1.9	0.34	ug/Kg	☼	08/22/16 07:09	08/25/16 11:52	1
alpha-Chlordane	ND		1.9	0.95	ug/Kg	☼	08/22/16 07:09	08/25/16 11:52	1
beta-BHC	ND		1.9	0.34	ug/Kg	☼	08/22/16 07:09	08/25/16 11:52	1
delta-BHC	ND		1.9	0.35	ug/Kg	☼	08/22/16 07:09	08/25/16 11:52	1
Dieldrin	ND		1.9	0.46	ug/Kg	☼	08/22/16 07:09	08/25/16 11:52	1
Endosulfan I	ND		1.9	0.36	ug/Kg	☼	08/22/16 07:09	08/25/16 11:52	1
Endosulfan II	ND		1.9	0.34	ug/Kg	☼	08/22/16 07:09	08/25/16 11:52	1
Endosulfan sulfate	ND		1.9	0.35	ug/Kg	☼	08/22/16 07:09	08/25/16 11:52	1
Endrin	ND		1.9	0.38	ug/Kg	☼	08/22/16 07:09	08/25/16 11:52	1
Endrin aldehyde	ND		1.9	0.49	ug/Kg	☼	08/22/16 07:09	08/25/16 11:52	1
Endrin ketone	ND		1.9	0.47	ug/Kg	☼	08/22/16 07:09	08/25/16 11:52	1
gamma-BHC (Lindane)	ND		1.9	0.35	ug/Kg	☼	08/22/16 07:09	08/25/16 11:52	1
gamma-Chlordane	ND		1.9	0.60	ug/Kg	☼	08/22/16 07:09	08/25/16 11:52	1
Heptachlor	ND		1.9	0.41	ug/Kg	☼	08/22/16 07:09	08/25/16 11:52	1
Heptachlor epoxide	ND		1.9	0.49	ug/Kg	☼	08/22/16 07:09	08/25/16 11:52	1
Methoxychlor	ND		1.9	0.39	ug/Kg	☼	08/22/16 07:09	08/25/16 11:52	1
Toxaphene	ND		19	11	ug/Kg	☼	08/22/16 07:09	08/25/16 11:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	96		45 - 120	08/22/16 07:09	08/25/16 11:52	1
Tetrachloro-m-xylene	63		30 - 124	08/22/16 07:09	08/25/16 11:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.24	0.048	mg/Kg	☼	08/22/16 11:18	08/23/16 01:59	1
PCB-1221	ND		0.24	0.048	mg/Kg	☼	08/22/16 11:18	08/23/16 01:59	1
PCB-1232	ND		0.24	0.048	mg/Kg	☼	08/22/16 11:18	08/23/16 01:59	1
PCB-1242	ND		0.24	0.048	mg/Kg	☼	08/22/16 11:18	08/23/16 01:59	1
PCB-1248	ND		0.24	0.048	mg/Kg	☼	08/22/16 11:18	08/23/16 01:59	1
PCB-1254	0.14	J	0.24	0.11	mg/Kg	☼	08/22/16 11:18	08/23/16 01:59	1

TestAmerica Buffalo

Client Sample Results

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Client Sample ID: SS-16-081716

Lab Sample ID: 480-104754-17

Date Collected: 08/17/16 17:10

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 87.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1260	ND		0.24	0.11	mg/Kg	☼	08/22/16 11:18	08/23/16 01:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	111		65 - 174				08/22/16 11:18	08/23/16 01:59	1
Tetrachloro-m-xylene	115		60 - 154				08/22/16 11:18	08/23/16 01:59	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		15.6	0.42	mg/Kg	☼	08/19/16 12:47	08/23/16 01:58	1
Arsenic	4.2		2.1	0.42	mg/Kg	☼	08/19/16 12:47	08/23/16 01:58	1
Beryllium	0.66		0.21	0.029	mg/Kg	☼	08/19/16 12:47	08/23/16 01:58	1
Cadmium	0.23		0.21	0.031	mg/Kg	☼	08/19/16 12:47	08/23/16 01:58	1
Chromium	20.2		0.52	0.21	mg/Kg	☼	08/19/16 12:47	08/23/16 01:58	1
Copper	17.3		1.0	0.22	mg/Kg	☼	08/19/16 12:47	08/23/16 01:58	1
Lead	15.1		1.0	0.25	mg/Kg	☼	08/19/16 12:47	08/23/16 01:58	1
Nickel	23.5		5.2	0.24	mg/Kg	☼	08/19/16 12:47	08/23/16 01:58	1
Selenium	ND		4.2	0.42	mg/Kg	☼	08/19/16 12:47	08/23/16 01:58	1
Silver	0.25	J	0.62	0.21	mg/Kg	☼	08/19/16 12:47	08/23/16 01:58	1
Thallium	ND		6.2	0.31	mg/Kg	☼	08/19/16 12:47	08/23/16 01:58	1
Zinc	59.3		2.1	0.67	mg/Kg	☼	08/19/16 12:47	08/23/16 01:58	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.023		0.021	0.0086	mg/Kg	☼	08/19/16 12:00	08/19/16 16:04	1

Client Sample ID: SS-17-081816

Lab Sample ID: 480-104754-18

Date Collected: 08/18/16 09:00

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 89.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		930	110	ug/Kg	☼	08/24/16 06:45	08/25/16 12:36	5
4-Methylphenol	ND		1800	110	ug/Kg	☼	08/24/16 06:45	08/25/16 12:36	5
Acenaphthene	ND		930	140	ug/Kg	☼	08/24/16 06:45	08/25/16 12:36	5
Acenaphthylene	ND		930	120	ug/Kg	☼	08/24/16 06:45	08/25/16 12:36	5
Anthracene	270	J	930	230	ug/Kg	☼	08/24/16 06:45	08/25/16 12:36	5
Benzo[a]anthracene	1400		930	93	ug/Kg	☼	08/24/16 06:45	08/25/16 12:36	5
Benzo[a]pyrene	1400		930	140	ug/Kg	☼	08/24/16 06:45	08/25/16 12:36	5
Benzo[b]fluoranthene	2000		930	150	ug/Kg	☼	08/24/16 06:45	08/25/16 12:36	5
Benzo[g,h,i]perylene	800	J	930	99	ug/Kg	☼	08/24/16 06:45	08/25/16 12:36	5
Benzo[k]fluoranthene	690	J	930	120	ug/Kg	☼	08/24/16 06:45	08/25/16 12:36	5
Chrysene	1600		930	210	ug/Kg	☼	08/24/16 06:45	08/25/16 12:36	5
Dibenz(a,h)anthracene	ND		930	160	ug/Kg	☼	08/24/16 06:45	08/25/16 12:36	5
Fluoranthene	3300		930	99	ug/Kg	☼	08/24/16 06:45	08/25/16 12:36	5
Fluorene	120	J	930	110	ug/Kg	☼	08/24/16 06:45	08/25/16 12:36	5
Hexachlorobenzene	ND		930	130	ug/Kg	☼	08/24/16 06:45	08/25/16 12:36	5
Indeno[1,2,3-cd]pyrene	770	J	930	120	ug/Kg	☼	08/24/16 06:45	08/25/16 12:36	5
Naphthalene	ND		930	120	ug/Kg	☼	08/24/16 06:45	08/25/16 12:36	5
Pentachlorophenol	ND		1800	930	ug/Kg	☼	08/24/16 06:45	08/25/16 12:36	5
Phenanthrene	1700		930	140	ug/Kg	☼	08/24/16 06:45	08/25/16 12:36	5

TestAmerica Buffalo

Client Sample Results

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Client Sample ID: SS-17-081816

Lab Sample ID: 480-104754-18

Date Collected: 08/18/16 09:00

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 89.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		930	140	ug/Kg	☼	08/24/16 06:45	08/25/16 12:36	5
Pyrene	2400		930	110	ug/Kg	☼	08/24/16 06:45	08/25/16 12:36	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	83		39 - 146				08/24/16 06:45	08/25/16 12:36	5
2-Fluorobiphenyl	82		37 - 120				08/24/16 06:45	08/25/16 12:36	5
2-Fluorophenol (Surr)	76		18 - 120				08/24/16 06:45	08/25/16 12:36	5
Nitrobenzene-d5 (Surr)	65		34 - 132				08/24/16 06:45	08/25/16 12:36	5
Phenol-d5 (Surr)	82		11 - 120				08/24/16 06:45	08/25/16 12:36	5
p-Terphenyl-d14 (Surr)	80		65 - 153				08/24/16 06:45	08/25/16 12:36	5

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		18	3.5	ug/Kg	☼	08/22/16 07:09	08/25/16 12:12	10
4,4'-DDE	78		18	3.8	ug/Kg	☼	08/22/16 07:09	08/25/16 12:12	10
4,4'-DDT	74		18	4.2	ug/Kg	☼	08/22/16 07:09	08/25/16 12:12	10
Aldrin	ND		18	4.4	ug/Kg	☼	08/22/16 07:09	08/25/16 12:12	10
alpha-BHC	ND		18	3.2	ug/Kg	☼	08/22/16 07:09	08/25/16 12:12	10
alpha-Chlordane	ND		18	9.0	ug/Kg	☼	08/22/16 07:09	08/25/16 12:12	10
beta-BHC	ND		18	3.2	ug/Kg	☼	08/22/16 07:09	08/25/16 12:12	10
delta-BHC	ND		18	3.3	ug/Kg	☼	08/22/16 07:09	08/25/16 12:12	10
Dieldrin	310		18	4.3	ug/Kg	☼	08/22/16 07:09	08/25/16 12:12	10
Endosulfan I	ND		18	3.5	ug/Kg	☼	08/22/16 07:09	08/25/16 12:12	10
Endosulfan II	ND		18	3.2	ug/Kg	☼	08/22/16 07:09	08/25/16 12:12	10
Endosulfan sulfate	ND		18	3.4	ug/Kg	☼	08/22/16 07:09	08/25/16 12:12	10
Endrin	ND		18	3.6	ug/Kg	☼	08/22/16 07:09	08/25/16 12:12	10
Endrin aldehyde	ND		18	4.6	ug/Kg	☼	08/22/16 07:09	08/25/16 12:12	10
Endrin ketone	ND		18	4.4	ug/Kg	☼	08/22/16 07:09	08/25/16 12:12	10
gamma-BHC (Lindane)	ND		18	3.3	ug/Kg	☼	08/22/16 07:09	08/25/16 12:12	10
gamma-Chlordane	45		18	5.7	ug/Kg	☼	08/22/16 07:09	08/25/16 12:12	10
Heptachlor	ND		18	3.9	ug/Kg	☼	08/22/16 07:09	08/25/16 12:12	10
Heptachlor epoxide	89		18	4.6	ug/Kg	☼	08/22/16 07:09	08/25/16 12:12	10
Methoxychlor	ND		18	3.7	ug/Kg	☼	08/22/16 07:09	08/25/16 12:12	10
Toxaphene	ND		180	100	ug/Kg	☼	08/22/16 07:09	08/25/16 12:12	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	247	X	45 - 120				08/22/16 07:09	08/25/16 12:12	10
Tetrachloro-m-xylene	120		30 - 124				08/22/16 07:09	08/25/16 12:12	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.26	0.050	mg/Kg	☼	08/22/16 11:18	08/23/16 02:14	1
PCB-1221	ND		0.26	0.050	mg/Kg	☼	08/22/16 11:18	08/23/16 02:14	1
PCB-1232	ND		0.26	0.050	mg/Kg	☼	08/22/16 11:18	08/23/16 02:14	1
PCB-1242	ND		0.26	0.050	mg/Kg	☼	08/22/16 11:18	08/23/16 02:14	1
PCB-1248	ND		0.26	0.050	mg/Kg	☼	08/22/16 11:18	08/23/16 02:14	1
PCB-1254	ND		0.26	0.12	mg/Kg	☼	08/22/16 11:18	08/23/16 02:14	1
PCB-1260	ND		0.26	0.12	mg/Kg	☼	08/22/16 11:18	08/23/16 02:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	107		65 - 174				08/22/16 11:18	08/23/16 02:14	1

TestAmerica Buffalo

Client Sample Results

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Client Sample ID: SS-17-081816

Lab Sample ID: 480-104754-18

Date Collected: 08/18/16 09:00

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 89.9

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	116		60 - 154	08/22/16 11:18	08/23/16 02:14	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		16.6	0.44	mg/Kg	☼	08/19/16 12:47	08/23/16 02:02	1
Arsenic	4.7		2.2	0.44	mg/Kg	☼	08/19/16 12:47	08/23/16 02:02	1
Beryllium	0.63		0.22	0.031	mg/Kg	☼	08/19/16 12:47	08/23/16 02:02	1
Cadmium	0.58		0.22	0.033	mg/Kg	☼	08/19/16 12:47	08/23/16 02:02	1
Chromium	20.3		0.55	0.22	mg/Kg	☼	08/19/16 12:47	08/23/16 02:02	1
Copper	65.6		1.1	0.23	mg/Kg	☼	08/19/16 12:47	08/23/16 02:02	1
Lead	90.7		1.1	0.27	mg/Kg	☼	08/19/16 12:47	08/23/16 02:02	1
Nickel	24.0		5.5	0.25	mg/Kg	☼	08/19/16 12:47	08/23/16 02:02	1
Selenium	ND		4.4	0.44	mg/Kg	☼	08/19/16 12:47	08/23/16 02:02	1
Silver	0.29	J	0.67	0.22	mg/Kg	☼	08/19/16 12:47	08/23/16 02:02	1
Thallium	ND		6.7	0.33	mg/Kg	☼	08/19/16 12:47	08/23/16 02:02	1
Zinc	141		2.2	0.71	mg/Kg	☼	08/19/16 12:47	08/23/16 02:02	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.056		0.022	0.0090	mg/Kg	☼	08/19/16 12:00	08/19/16 16:06	1

Client Sample ID: SS-18-081816

Lab Sample ID: 480-104754-19

Date Collected: 08/18/16 09:40

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 90.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		930	110	ug/Kg	☼	08/24/16 06:45	08/25/16 13:02	5
4-Methylphenol	ND		1800	110	ug/Kg	☼	08/24/16 06:45	08/25/16 13:02	5
Acenaphthene	ND		930	140	ug/Kg	☼	08/24/16 06:45	08/25/16 13:02	5
Acenaphthylene	ND		930	120	ug/Kg	☼	08/24/16 06:45	08/25/16 13:02	5
Anthracene	ND		930	230	ug/Kg	☼	08/24/16 06:45	08/25/16 13:02	5
Benzo[a]anthracene	ND		930	93	ug/Kg	☼	08/24/16 06:45	08/25/16 13:02	5
Benzo[a]pyrene	ND		930	140	ug/Kg	☼	08/24/16 06:45	08/25/16 13:02	5
Benzo[b]fluoranthene	ND		930	150	ug/Kg	☼	08/24/16 06:45	08/25/16 13:02	5
Benzo[g,h,i]perylene	ND		930	99	ug/Kg	☼	08/24/16 06:45	08/25/16 13:02	5
Benzo[k]fluoranthene	ND		930	120	ug/Kg	☼	08/24/16 06:45	08/25/16 13:02	5
Chrysene	ND		930	210	ug/Kg	☼	08/24/16 06:45	08/25/16 13:02	5
Dibenz(a,h)anthracene	ND		930	160	ug/Kg	☼	08/24/16 06:45	08/25/16 13:02	5
Fluoranthene	220	J	930	99	ug/Kg	☼	08/24/16 06:45	08/25/16 13:02	5
Fluorene	ND		930	110	ug/Kg	☼	08/24/16 06:45	08/25/16 13:02	5
Hexachlorobenzene	ND		930	130	ug/Kg	☼	08/24/16 06:45	08/25/16 13:02	5
Indeno[1,2,3-cd]pyrene	ND		930	120	ug/Kg	☼	08/24/16 06:45	08/25/16 13:02	5
Naphthalene	ND		930	120	ug/Kg	☼	08/24/16 06:45	08/25/16 13:02	5
Pentachlorophenol	ND		1800	930	ug/Kg	☼	08/24/16 06:45	08/25/16 13:02	5
Phenanthrene	ND		930	140	ug/Kg	☼	08/24/16 06:45	08/25/16 13:02	5
Phenol	ND		930	140	ug/Kg	☼	08/24/16 06:45	08/25/16 13:02	5
Pyrene	160	J	930	110	ug/Kg	☼	08/24/16 06:45	08/25/16 13:02	5

TestAmerica Buffalo

Client Sample Results

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Client Sample ID: SS-18-081816

Lab Sample ID: 480-104754-19

Date Collected: 08/18/16 09:40

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 90.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	86		39 - 146	08/24/16 06:45	08/25/16 13:02	5
2-Fluorobiphenyl	80		37 - 120	08/24/16 06:45	08/25/16 13:02	5
2-Fluorophenol (Surr)	76		18 - 120	08/24/16 06:45	08/25/16 13:02	5
Nitrobenzene-d5 (Surr)	67		34 - 132	08/24/16 06:45	08/25/16 13:02	5
Phenol-d5 (Surr)	82		11 - 120	08/24/16 06:45	08/25/16 13:02	5
p-Terphenyl-d14 (Surr)	80		65 - 153	08/24/16 06:45	08/25/16 13:02	5

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.8	0.36	ug/Kg	☼	08/22/16 07:09	08/25/16 12:31	1
4,4'-DDE	1.7	J	1.8	0.39	ug/Kg	☼	08/22/16 07:09	08/25/16 12:31	1
4,4'-DDT	ND		1.8	0.43	ug/Kg	☼	08/22/16 07:09	08/25/16 12:31	1
Aldrin	ND		1.8	0.45	ug/Kg	☼	08/22/16 07:09	08/25/16 12:31	1
alpha-BHC	ND		1.8	0.33	ug/Kg	☼	08/22/16 07:09	08/25/16 12:31	1
alpha-Chlordane	ND		1.8	0.92	ug/Kg	☼	08/22/16 07:09	08/25/16 12:31	1
beta-BHC	ND		1.8	0.33	ug/Kg	☼	08/22/16 07:09	08/25/16 12:31	1
delta-BHC	ND		1.8	0.34	ug/Kg	☼	08/22/16 07:09	08/25/16 12:31	1
Dieldrin	0.68	J	1.8	0.44	ug/Kg	☼	08/22/16 07:09	08/25/16 12:31	1
Endosulfan I	ND		1.8	0.35	ug/Kg	☼	08/22/16 07:09	08/25/16 12:31	1
Endosulfan II	ND		1.8	0.33	ug/Kg	☼	08/22/16 07:09	08/25/16 12:31	1
Endosulfan sulfate	ND		1.8	0.34	ug/Kg	☼	08/22/16 07:09	08/25/16 12:31	1
Endrin	ND		1.8	0.36	ug/Kg	☼	08/22/16 07:09	08/25/16 12:31	1
Endrin aldehyde	ND		1.8	0.47	ug/Kg	☼	08/22/16 07:09	08/25/16 12:31	1
Endrin ketone	ND		1.8	0.45	ug/Kg	☼	08/22/16 07:09	08/25/16 12:31	1
gamma-BHC (Lindane)	ND		1.8	0.34	ug/Kg	☼	08/22/16 07:09	08/25/16 12:31	1
gamma-Chlordane	ND		1.8	0.59	ug/Kg	☼	08/22/16 07:09	08/25/16 12:31	1
Heptachlor	ND		1.8	0.40	ug/Kg	☼	08/22/16 07:09	08/25/16 12:31	1
Heptachlor epoxide	ND		1.8	0.48	ug/Kg	☼	08/22/16 07:09	08/25/16 12:31	1
Methoxychlor	ND		1.8	0.38	ug/Kg	☼	08/22/16 07:09	08/25/16 12:31	1
Toxaphene	ND		18	11	ug/Kg	☼	08/22/16 07:09	08/25/16 12:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	91		45 - 120	08/22/16 07:09	08/25/16 12:31	1
Tetrachloro-m-xylene	62		30 - 124	08/22/16 07:09	08/25/16 12:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.22	0.044	mg/Kg	☼	08/23/16 07:23	08/23/16 20:56	1
PCB-1221	ND		0.22	0.044	mg/Kg	☼	08/23/16 07:23	08/23/16 20:56	1
PCB-1232	ND		0.22	0.044	mg/Kg	☼	08/23/16 07:23	08/23/16 20:56	1
PCB-1242	ND		0.22	0.044	mg/Kg	☼	08/23/16 07:23	08/23/16 20:56	1
PCB-1248	ND		0.22	0.044	mg/Kg	☼	08/23/16 07:23	08/23/16 20:56	1
PCB-1254	ND		0.22	0.11	mg/Kg	☼	08/23/16 07:23	08/23/16 20:56	1
PCB-1260	ND		0.22	0.11	mg/Kg	☼	08/23/16 07:23	08/23/16 20:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	154		65 - 174	08/23/16 07:23	08/23/16 20:56	1
Tetrachloro-m-xylene	97		60 - 154	08/23/16 07:23	08/23/16 20:56	1

TestAmerica Buffalo

Client Sample Results

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Client Sample ID: SS-18-081816

Lab Sample ID: 480-104754-19

Date Collected: 08/18/16 09:40

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 90.5

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		15.3	0.41	mg/Kg	☼	08/19/16 12:47	08/23/16 02:05	1
Arsenic	3.5		2.0	0.41	mg/Kg	☼	08/19/16 12:47	08/23/16 02:05	1
Beryllium	0.66		0.20	0.029	mg/Kg	☼	08/19/16 12:47	08/23/16 02:05	1
Cadmium	0.48		0.20	0.031	mg/Kg	☼	08/19/16 12:47	08/23/16 02:05	1
Chromium	21.4		0.51	0.20	mg/Kg	☼	08/19/16 12:47	08/23/16 02:05	1
Copper	25.1		1.0	0.21	mg/Kg	☼	08/19/16 12:47	08/23/16 02:05	1
Lead	39.0		1.0	0.24	mg/Kg	☼	08/19/16 12:47	08/23/16 02:05	1
Nickel	24.0		5.1	0.23	mg/Kg	☼	08/19/16 12:47	08/23/16 02:05	1
Selenium	ND		4.1	0.41	mg/Kg	☼	08/19/16 12:47	08/23/16 02:05	1
Silver	0.24	J	0.61	0.20	mg/Kg	☼	08/19/16 12:47	08/23/16 02:05	1
Thallium	ND		6.1	0.31	mg/Kg	☼	08/19/16 12:47	08/23/16 02:05	1
Zinc	94.3		2.0	0.65	mg/Kg	☼	08/19/16 12:47	08/23/16 02:05	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.027		0.022	0.0089	mg/Kg	☼	08/19/16 12:00	08/19/16 16:07	1

Client Sample ID: SS-19-081816

Lab Sample ID: 480-104754-20

Date Collected: 08/18/16 10:00

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 89.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		940	110	ug/Kg	☼	08/24/16 06:45	08/25/16 13:29	5
4-Methylphenol	ND		1800	110	ug/Kg	☼	08/24/16 06:45	08/25/16 13:29	5
Acenaphthene	ND		940	140	ug/Kg	☼	08/24/16 06:45	08/25/16 13:29	5
Acenaphthylene	ND		940	120	ug/Kg	☼	08/24/16 06:45	08/25/16 13:29	5
Anthracene	ND		940	230	ug/Kg	☼	08/24/16 06:45	08/25/16 13:29	5
Benzo[a]anthracene	400	J	940	94	ug/Kg	☼	08/24/16 06:45	08/25/16 13:29	5
Benzo[a]pyrene	300	J	940	140	ug/Kg	☼	08/24/16 06:45	08/25/16 13:29	5
Benzo[b]fluoranthene	390	J	940	150	ug/Kg	☼	08/24/16 06:45	08/25/16 13:29	5
Benzo[g,h,i]perylene	160	J	940	99	ug/Kg	☼	08/24/16 06:45	08/25/16 13:29	5
Benzo[k]fluoranthene	190	J	940	120	ug/Kg	☼	08/24/16 06:45	08/25/16 13:29	5
Chrysene	380	J	940	210	ug/Kg	☼	08/24/16 06:45	08/25/16 13:29	5
Dibenz(a,h)anthracene	ND		940	170	ug/Kg	☼	08/24/16 06:45	08/25/16 13:29	5
Fluoranthene	860	J	940	99	ug/Kg	☼	08/24/16 06:45	08/25/16 13:29	5
Fluorene	ND		940	110	ug/Kg	☼	08/24/16 06:45	08/25/16 13:29	5
Hexachlorobenzene	ND		940	130	ug/Kg	☼	08/24/16 06:45	08/25/16 13:29	5
Indeno[1,2,3-cd]pyrene	150	J	940	120	ug/Kg	☼	08/24/16 06:45	08/25/16 13:29	5
Naphthalene	ND		940	120	ug/Kg	☼	08/24/16 06:45	08/25/16 13:29	5
Pentachlorophenol	ND		1800	940	ug/Kg	☼	08/24/16 06:45	08/25/16 13:29	5
Phenanthrene	690	J	940	140	ug/Kg	☼	08/24/16 06:45	08/25/16 13:29	5
Phenol	ND		940	140	ug/Kg	☼	08/24/16 06:45	08/25/16 13:29	5
Pyrene	660	J	940	110	ug/Kg	☼	08/24/16 06:45	08/25/16 13:29	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	83		39 - 146	08/24/16 06:45	08/25/16 13:29	5
2-Fluorobiphenyl	72		37 - 120	08/24/16 06:45	08/25/16 13:29	5
2-Fluorophenol (Surr)	64		18 - 120	08/24/16 06:45	08/25/16 13:29	5
Nitrobenzene-d5 (Surr)	55		34 - 132	08/24/16 06:45	08/25/16 13:29	5

TestAmerica Buffalo

Client Sample Results

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Client Sample ID: SS-19-081816

Lab Sample ID: 480-104754-20

Date Collected: 08/18/16 10:00

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 89.6

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5 (Surr)	66		11 - 120	08/24/16 06:45	08/25/16 13:29	5
p-Terphenyl-d14 (Surr)	74		65 - 153	08/24/16 06:45	08/25/16 13:29	5

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		9.3	1.8	ug/Kg	☼	08/24/16 06:26	08/25/16 14:48	5
4,4'-DDE	2.1	J	9.3	1.9	ug/Kg	☼	08/24/16 06:26	08/25/16 14:48	5
4,4'-DDT	ND		9.3	2.2	ug/Kg	☼	08/24/16 06:26	08/25/16 14:48	5
Aldrin	ND		9.3	2.3	ug/Kg	☼	08/24/16 06:26	08/25/16 14:48	5
alpha-BHC	ND		9.3	1.7	ug/Kg	☼	08/24/16 06:26	08/25/16 14:48	5
alpha-Chlordane	ND		9.3	4.6	ug/Kg	☼	08/24/16 06:26	08/25/16 14:48	5
beta-BHC	ND		9.3	1.7	ug/Kg	☼	08/24/16 06:26	08/25/16 14:48	5
delta-BHC	ND		9.3	1.7	ug/Kg	☼	08/24/16 06:26	08/25/16 14:48	5
Dieldrin	ND		9.3	2.2	ug/Kg	☼	08/24/16 06:26	08/25/16 14:48	5
Endosulfan I	ND		9.3	1.8	ug/Kg	☼	08/24/16 06:26	08/25/16 14:48	5
Endosulfan II	ND		9.3	1.7	ug/Kg	☼	08/24/16 06:26	08/25/16 14:48	5
Endosulfan sulfate	ND		9.3	1.7	ug/Kg	☼	08/24/16 06:26	08/25/16 14:48	5
Endrin	ND		9.3	1.8	ug/Kg	☼	08/24/16 06:26	08/25/16 14:48	5
Endrin aldehyde	ND		9.3	2.4	ug/Kg	☼	08/24/16 06:26	08/25/16 14:48	5
Endrin ketone	ND		9.3	2.3	ug/Kg	☼	08/24/16 06:26	08/25/16 14:48	5
gamma-BHC (Lindane)	ND		9.3	1.7	ug/Kg	☼	08/24/16 06:26	08/25/16 14:48	5
gamma-Chlordane	ND		9.3	2.9	ug/Kg	☼	08/24/16 06:26	08/25/16 14:48	5
Heptachlor	ND		9.3	2.0	ug/Kg	☼	08/24/16 06:26	08/25/16 14:48	5
Heptachlor epoxide	ND		9.3	2.4	ug/Kg	☼	08/24/16 06:26	08/25/16 14:48	5
Methoxychlor	ND		9.3	1.9	ug/Kg	☼	08/24/16 06:26	08/25/16 14:48	5
Toxaphene	ND		93	54	ug/Kg	☼	08/24/16 06:26	08/25/16 14:48	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	66		45 - 120	08/24/16 06:26	08/25/16 14:48	5
Tetrachloro-m-xylene	82		30 - 124	08/24/16 06:26	08/25/16 14:48	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.19	0.037	mg/Kg	☼	08/23/16 07:23	08/23/16 21:12	1
PCB-1221	ND		0.19	0.037	mg/Kg	☼	08/23/16 07:23	08/23/16 21:12	1
PCB-1232	ND		0.19	0.037	mg/Kg	☼	08/23/16 07:23	08/23/16 21:12	1
PCB-1242	ND		0.19	0.037	mg/Kg	☼	08/23/16 07:23	08/23/16 21:12	1
PCB-1248	ND		0.19	0.037	mg/Kg	☼	08/23/16 07:23	08/23/16 21:12	1
PCB-1254	ND		0.19	0.089	mg/Kg	☼	08/23/16 07:23	08/23/16 21:12	1
PCB-1260	ND		0.19	0.089	mg/Kg	☼	08/23/16 07:23	08/23/16 21:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	144		65 - 174	08/23/16 07:23	08/23/16 21:12	1
Tetrachloro-m-xylene	143		60 - 154	08/23/16 07:23	08/23/16 21:12	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		16.2	0.43	mg/Kg	☼	08/19/16 12:47	08/23/16 02:19	1
Arsenic	4.2		2.2	0.43	mg/Kg	☼	08/19/16 12:47	08/23/16 02:19	1
Beryllium	0.57		0.22	0.030	mg/Kg	☼	08/19/16 12:47	08/23/16 02:19	1

TestAmerica Buffalo

Client Sample Results

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Client Sample ID: SS-19-081816

Lab Sample ID: 480-104754-20

Date Collected: 08/18/16 10:00

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 89.6

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.51		0.22	0.032	mg/Kg	☼	08/19/16 12:47	08/23/16 02:19	1
Chromium	37.2		0.54	0.22	mg/Kg	☼	08/19/16 12:47	08/23/16 02:19	1
Copper	23.1		1.1	0.23	mg/Kg	☼	08/19/16 12:47	08/23/16 02:19	1
Lead	43.7		1.1	0.26	mg/Kg	☼	08/19/16 12:47	08/23/16 02:19	1
Nickel	31.2		5.4	0.25	mg/Kg	☼	08/19/16 12:47	08/23/16 02:19	1
Selenium	ND		4.3	0.43	mg/Kg	☼	08/19/16 12:47	08/23/16 02:19	1
Silver	0.32	J	0.65	0.22	mg/Kg	☼	08/19/16 12:47	08/23/16 02:19	1
Thallium	ND		6.5	0.32	mg/Kg	☼	08/19/16 12:47	08/23/16 02:19	1
Zinc	102		2.2	0.69	mg/Kg	☼	08/19/16 12:47	08/23/16 02:19	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.084	F1 F2	0.023	0.0091	mg/Kg	☼	08/19/16 12:00	08/19/16 16:11	1

Client Sample ID: SS-20-081816

Lab Sample ID: 480-104754-21

Date Collected: 08/18/16 10:20

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 89.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		950	110	ug/Kg	☼	08/24/16 06:45	08/25/16 13:55	5
4-Methylphenol	ND		1800	110	ug/Kg	☼	08/24/16 06:45	08/25/16 13:55	5
Acenaphthene	250	J	950	140	ug/Kg	☼	08/24/16 06:45	08/25/16 13:55	5
Acenaphthylene	ND		950	120	ug/Kg	☼	08/24/16 06:45	08/25/16 13:55	5
Anthracene	500	J	950	230	ug/Kg	☼	08/24/16 06:45	08/25/16 13:55	5
Benzo[a]anthracene	1200		950	95	ug/Kg	☼	08/24/16 06:45	08/25/16 13:55	5
Benzo[a]pyrene	1100		950	140	ug/Kg	☼	08/24/16 06:45	08/25/16 13:55	5
Benzo[b]fluoranthene	1300		950	150	ug/Kg	☼	08/24/16 06:45	08/25/16 13:55	5
Benzo[g,h,i]perylene	440	J	950	100	ug/Kg	☼	08/24/16 06:45	08/25/16 13:55	5
Benzo[k]fluoranthene	660	J	950	120	ug/Kg	☼	08/24/16 06:45	08/25/16 13:55	5
Chrysene	1200		950	210	ug/Kg	☼	08/24/16 06:45	08/25/16 13:55	5
Dibenz(a,h)anthracene	ND		950	170	ug/Kg	☼	08/24/16 06:45	08/25/16 13:55	5
Fluoranthene	2800		950	100	ug/Kg	☼	08/24/16 06:45	08/25/16 13:55	5
Fluorene	210	J	950	110	ug/Kg	☼	08/24/16 06:45	08/25/16 13:55	5
Hexachlorobenzene	ND		950	130	ug/Kg	☼	08/24/16 06:45	08/25/16 13:55	5
Indeno[1,2,3-cd]pyrene	460	J	950	120	ug/Kg	☼	08/24/16 06:45	08/25/16 13:55	5
Naphthalene	ND		950	120	ug/Kg	☼	08/24/16 06:45	08/25/16 13:55	5
Pentachlorophenol	ND		1800	950	ug/Kg	☼	08/24/16 06:45	08/25/16 13:55	5
Phenanthrene	2200		950	140	ug/Kg	☼	08/24/16 06:45	08/25/16 13:55	5
Phenol	ND		950	150	ug/Kg	☼	08/24/16 06:45	08/25/16 13:55	5
Pyrene	2100		950	110	ug/Kg	☼	08/24/16 06:45	08/25/16 13:55	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	89		39 - 146	08/24/16 06:45	08/25/16 13:55	5
2-Fluorobiphenyl	80		37 - 120	08/24/16 06:45	08/25/16 13:55	5
2-Fluorophenol (Surr)	65		18 - 120	08/24/16 06:45	08/25/16 13:55	5
Nitrobenzene-d5 (Surr)	57		34 - 132	08/24/16 06:45	08/25/16 13:55	5
Phenol-d5 (Surr)	74		11 - 120	08/24/16 06:45	08/25/16 13:55	5
p-Terphenyl-d14 (Surr)	79		65 - 153	08/24/16 06:45	08/25/16 13:55	5

TestAmerica Buffalo

Client Sample Results

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Client Sample ID: SS-20-081816

Lab Sample ID: 480-104754-21

Date Collected: 08/18/16 10:20

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 89.2

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		9.3	1.8	ug/Kg	☼	08/24/16 06:26	08/25/16 15:08	5
4,4'-DDE	2.7	J	9.3	1.9	ug/Kg	☼	08/24/16 06:26	08/25/16 15:08	5
4,4'-DDT	ND		9.3	2.2	ug/Kg	☼	08/24/16 06:26	08/25/16 15:08	5
Aldrin	ND		9.3	2.3	ug/Kg	☼	08/24/16 06:26	08/25/16 15:08	5
alpha-BHC	2.0	J	9.3	1.7	ug/Kg	☼	08/24/16 06:26	08/25/16 15:08	5
alpha-Chlordane	ND		9.3	4.6	ug/Kg	☼	08/24/16 06:26	08/25/16 15:08	5
beta-BHC	ND		9.3	1.7	ug/Kg	☼	08/24/16 06:26	08/25/16 15:08	5
delta-BHC	ND		9.3	1.7	ug/Kg	☼	08/24/16 06:26	08/25/16 15:08	5
Dieldrin	ND		9.3	2.2	ug/Kg	☼	08/24/16 06:26	08/25/16 15:08	5
Endosulfan I	ND		9.3	1.8	ug/Kg	☼	08/24/16 06:26	08/25/16 15:08	5
Endosulfan II	ND		9.3	1.7	ug/Kg	☼	08/24/16 06:26	08/25/16 15:08	5
Endosulfan sulfate	ND		9.3	1.7	ug/Kg	☼	08/24/16 06:26	08/25/16 15:08	5
Endrin	ND		9.3	1.8	ug/Kg	☼	08/24/16 06:26	08/25/16 15:08	5
Endrin aldehyde	ND		9.3	2.4	ug/Kg	☼	08/24/16 06:26	08/25/16 15:08	5
Endrin ketone	ND		9.3	2.3	ug/Kg	☼	08/24/16 06:26	08/25/16 15:08	5
gamma-BHC (Lindane)	ND		9.3	1.7	ug/Kg	☼	08/24/16 06:26	08/25/16 15:08	5
gamma-Chlordane	ND		9.3	2.9	ug/Kg	☼	08/24/16 06:26	08/25/16 15:08	5
Heptachlor	ND		9.3	2.0	ug/Kg	☼	08/24/16 06:26	08/25/16 15:08	5
Heptachlor epoxide	ND		9.3	2.4	ug/Kg	☼	08/24/16 06:26	08/25/16 15:08	5
Methoxychlor	ND		9.3	1.9	ug/Kg	☼	08/24/16 06:26	08/25/16 15:08	5
Toxaphene	ND		93	54	ug/Kg	☼	08/24/16 06:26	08/25/16 15:08	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	76		45 - 120	08/24/16 06:26	08/25/16 15:08	5
Tetrachloro-m-xylene	80		30 - 124	08/24/16 06:26	08/25/16 15:08	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.22	0.044	mg/Kg	☼	08/23/16 07:23	08/23/16 21:28	1
PCB-1221	ND		0.22	0.044	mg/Kg	☼	08/23/16 07:23	08/23/16 21:28	1
PCB-1232	ND		0.22	0.044	mg/Kg	☼	08/23/16 07:23	08/23/16 21:28	1
PCB-1242	ND		0.22	0.044	mg/Kg	☼	08/23/16 07:23	08/23/16 21:28	1
PCB-1248	ND		0.22	0.044	mg/Kg	☼	08/23/16 07:23	08/23/16 21:28	1
PCB-1254	ND		0.22	0.10	mg/Kg	☼	08/23/16 07:23	08/23/16 21:28	1
PCB-1260	ND		0.22	0.10	mg/Kg	☼	08/23/16 07:23	08/23/16 21:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	140		65 - 174	08/23/16 07:23	08/23/16 21:28	1
Tetrachloro-m-xylene	127		60 - 154	08/23/16 07:23	08/23/16 21:28	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		16.8	0.45	mg/Kg	☼	08/19/16 12:47	08/23/16 02:22	1
Arsenic	5.6		2.2	0.45	mg/Kg	☼	08/19/16 12:47	08/23/16 02:22	1
Beryllium	0.65		0.22	0.031	mg/Kg	☼	08/19/16 12:47	08/23/16 02:22	1
Cadmium	0.47		0.22	0.034	mg/Kg	☼	08/19/16 12:47	08/23/16 02:22	1
Chromium	21.5		0.56	0.22	mg/Kg	☼	08/19/16 12:47	08/23/16 02:22	1
Copper	27.1		1.1	0.24	mg/Kg	☼	08/19/16 12:47	08/23/16 02:22	1
Lead	35.2		1.1	0.27	mg/Kg	☼	08/19/16 12:47	08/23/16 02:22	1
Nickel	22.6		5.6	0.26	mg/Kg	☼	08/19/16 12:47	08/23/16 02:22	1

TestAmerica Buffalo

Client Sample Results

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Client Sample ID: SS-20-081816

Lab Sample ID: 480-104754-21

Date Collected: 08/18/16 10:20

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 89.2

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		4.5	0.45	mg/Kg	☼	08/19/16 12:47	08/23/16 02:22	1
Silver	0.28	J	0.67	0.22	mg/Kg	☼	08/19/16 12:47	08/23/16 02:22	1
Thallium	ND		6.7	0.34	mg/Kg	☼	08/19/16 12:47	08/23/16 02:22	1
Zinc	111		2.2	0.72	mg/Kg	☼	08/19/16 12:47	08/23/16 02:22	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.029		0.023	0.0093	mg/Kg	☼	08/19/16 12:00	08/19/16 16:23	1

Client Sample ID: SS-21-081816

Lab Sample ID: 480-104754-22

Date Collected: 08/18/16 10:40

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 90.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		930	110	ug/Kg	☼	08/24/16 06:45	08/25/16 10:50	5
4-Methylphenol	ND		1800	110	ug/Kg	☼	08/24/16 06:45	08/25/16 10:50	5
Acenaphthene	ND		930	140	ug/Kg	☼	08/24/16 06:45	08/25/16 10:50	5
Acenaphthylene	ND		930	120	ug/Kg	☼	08/24/16 06:45	08/25/16 10:50	5
Anthracene	ND		930	230	ug/Kg	☼	08/24/16 06:45	08/25/16 10:50	5
Benzo[a]anthracene	500	J	930	93	ug/Kg	☼	08/24/16 06:45	08/25/16 10:50	5
Benzo[a]pyrene	440	J	930	140	ug/Kg	☼	08/24/16 06:45	08/25/16 10:50	5
Benzo[b]fluoranthene	660	J	930	150	ug/Kg	☼	08/24/16 06:45	08/25/16 10:50	5
Benzo[g,h,i]perylene	320	J	930	98	ug/Kg	☼	08/24/16 06:45	08/25/16 10:50	5
Benzo[k]fluoranthene	ND		930	120	ug/Kg	☼	08/24/16 06:45	08/25/16 10:50	5
Chrysene	500	J	930	210	ug/Kg	☼	08/24/16 06:45	08/25/16 10:50	5
Dibenz(a,h)anthracene	ND		930	160	ug/Kg	☼	08/24/16 06:45	08/25/16 10:50	5
Fluoranthene	1100		930	98	ug/Kg	☼	08/24/16 06:45	08/25/16 10:50	5
Fluorene	ND		930	110	ug/Kg	☼	08/24/16 06:45	08/25/16 10:50	5
Hexachlorobenzene	ND		930	130	ug/Kg	☼	08/24/16 06:45	08/25/16 10:50	5
Indeno[1,2,3-cd]pyrene	270	J	930	110	ug/Kg	☼	08/24/16 06:45	08/25/16 10:50	5
Naphthalene	ND		930	120	ug/Kg	☼	08/24/16 06:45	08/25/16 10:50	5
Pentachlorophenol	ND		1800	930	ug/Kg	☼	08/24/16 06:45	08/25/16 10:50	5
Phenanthrene	730	J	930	140	ug/Kg	☼	08/24/16 06:45	08/25/16 10:50	5
Phenol	ND		930	140	ug/Kg	☼	08/24/16 06:45	08/25/16 10:50	5
Pyrene	860	J	930	110	ug/Kg	☼	08/24/16 06:45	08/25/16 10:50	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	88		39 - 146	08/24/16 06:45	08/25/16 10:50	5
2-Fluorobiphenyl	83		37 - 120	08/24/16 06:45	08/25/16 10:50	5
2-Fluorophenol (Surr)	75		18 - 120	08/24/16 06:45	08/25/16 10:50	5
Nitrobenzene-d5 (Surr)	71		34 - 132	08/24/16 06:45	08/25/16 10:50	5
Phenol-d5 (Surr)	81		11 - 120	08/24/16 06:45	08/25/16 10:50	5
p-Terphenyl-d14 (Surr)	78		65 - 153	08/24/16 06:45	08/25/16 10:50	5

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		18	3.6	ug/Kg	☼	08/24/16 06:26	08/25/16 14:28	10
4,4'-DDE	ND		18	3.9	ug/Kg	☼	08/24/16 06:26	08/25/16 14:28	10
4,4'-DDT	ND		18	4.3	ug/Kg	☼	08/24/16 06:26	08/25/16 14:28	10

TestAmerica Buffalo

Client Sample Results

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Client Sample ID: SS-21-081816

Lab Sample ID: 480-104754-22

Date Collected: 08/18/16 10:40

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 90.1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		18	4.5	ug/Kg	☼	08/24/16 06:26	08/25/16 14:28	10
alpha-BHC	4.0	J	18	3.3	ug/Kg	☼	08/24/16 06:26	08/25/16 14:28	10
alpha-Chlordane	ND		18	9.2	ug/Kg	☼	08/24/16 06:26	08/25/16 14:28	10
beta-BHC	ND		18	3.3	ug/Kg	☼	08/24/16 06:26	08/25/16 14:28	10
delta-BHC	ND		18	3.4	ug/Kg	☼	08/24/16 06:26	08/25/16 14:28	10
Dieldrin	ND		18	4.4	ug/Kg	☼	08/24/16 06:26	08/25/16 14:28	10
Endosulfan I	ND		18	3.5	ug/Kg	☼	08/24/16 06:26	08/25/16 14:28	10
Endosulfan II	ND		18	3.3	ug/Kg	☼	08/24/16 06:26	08/25/16 14:28	10
Endosulfan sulfate	ND		18	3.4	ug/Kg	☼	08/24/16 06:26	08/25/16 14:28	10
Endrin	ND		18	3.7	ug/Kg	☼	08/24/16 06:26	08/25/16 14:28	10
Endrin aldehyde	ND		18	4.7	ug/Kg	☼	08/24/16 06:26	08/25/16 14:28	10
Endrin ketone	ND	F2 F1	18	4.5	ug/Kg	☼	08/24/16 06:26	08/25/16 14:28	10
gamma-BHC (Lindane)	ND		18	3.4	ug/Kg	☼	08/24/16 06:26	08/25/16 14:28	10
gamma-Chlordane	ND		18	5.9	ug/Kg	☼	08/24/16 06:26	08/25/16 14:28	10
Heptachlor	ND		18	4.0	ug/Kg	☼	08/24/16 06:26	08/25/16 14:28	10
Heptachlor epoxide	ND		18	4.8	ug/Kg	☼	08/24/16 06:26	08/25/16 14:28	10
Methoxychlor	ND		18	3.8	ug/Kg	☼	08/24/16 06:26	08/25/16 14:28	10
Toxaphene	ND		180	110	ug/Kg	☼	08/24/16 06:26	08/25/16 14:28	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	64		45 - 120	08/24/16 06:26	08/25/16 14:28	10
Tetrachloro-m-xylene	112		30 - 124	08/24/16 06:26	08/25/16 14:28	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.25	0.050	mg/Kg	☼	08/23/16 07:23	08/23/16 21:44	1
PCB-1221	ND		0.25	0.050	mg/Kg	☼	08/23/16 07:23	08/23/16 21:44	1
PCB-1232	ND		0.25	0.050	mg/Kg	☼	08/23/16 07:23	08/23/16 21:44	1
PCB-1242	ND		0.25	0.050	mg/Kg	☼	08/23/16 07:23	08/23/16 21:44	1
PCB-1248	ND		0.25	0.050	mg/Kg	☼	08/23/16 07:23	08/23/16 21:44	1
PCB-1254	ND		0.25	0.12	mg/Kg	☼	08/23/16 07:23	08/23/16 21:44	1
PCB-1260	ND		0.25	0.12	mg/Kg	☼	08/23/16 07:23	08/23/16 21:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	141		65 - 174	08/23/16 07:23	08/23/16 21:44	1
Tetrachloro-m-xylene	132		60 - 154	08/23/16 07:23	08/23/16 21:44	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND	F1	16.9	0.45	mg/Kg	☼	08/19/16 12:47	08/23/16 02:26	1
Arsenic	4.6		2.3	0.45	mg/Kg	☼	08/19/16 12:47	08/23/16 02:26	1
Beryllium	0.72		0.23	0.032	mg/Kg	☼	08/19/16 12:47	08/23/16 02:26	1
Cadmium	0.41		0.23	0.034	mg/Kg	☼	08/19/16 12:47	08/23/16 02:26	1
Chromium	27.1		0.56	0.23	mg/Kg	☼	08/19/16 12:47	08/23/16 02:26	1
Copper	22.4		1.1	0.24	mg/Kg	☼	08/19/16 12:47	08/23/16 02:26	1
Lead	41.6	F1	1.1	0.27	mg/Kg	☼	08/19/16 12:47	08/23/16 02:26	1
Nickel	29.2		5.6	0.26	mg/Kg	☼	08/19/16 12:47	08/23/16 02:26	1
Selenium	ND		4.5	0.45	mg/Kg	☼	08/19/16 12:47	08/23/16 02:26	1
Silver	0.29	J	0.68	0.23	mg/Kg	☼	08/19/16 12:47	08/23/16 02:26	1
Thallium	ND		6.8	0.34	mg/Kg	☼	08/19/16 12:47	08/23/16 02:26	1

TestAmerica Buffalo

Client Sample Results

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Client Sample ID: SS-21-081816

Lab Sample ID: 480-104754-22

Date Collected: 08/18/16 10:40

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 90.1

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	118	F1	2.3	0.72	mg/Kg	☼	08/19/16 12:47	08/23/16 02:26	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.087	F1	0.022	0.0089	mg/Kg	☼	08/19/16 12:00	08/19/16 16:24	1

Client Sample ID: SS-22-081816

Lab Sample ID: 480-104754-23

Date Collected: 08/18/16 11:15

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 88.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		950	110	ug/Kg	☼	08/24/16 06:45	08/25/16 14:22	5
4-Methylphenol	ND		1800	110	ug/Kg	☼	08/24/16 06:45	08/25/16 14:22	5
Acenaphthene	200	J	950	140	ug/Kg	☼	08/24/16 06:45	08/25/16 14:22	5
Acenaphthylene	ND		950	120	ug/Kg	☼	08/24/16 06:45	08/25/16 14:22	5
Anthracene	420	J	950	240	ug/Kg	☼	08/24/16 06:45	08/25/16 14:22	5
Benzo[a]anthracene	1800		950	95	ug/Kg	☼	08/24/16 06:45	08/25/16 14:22	5
Benzo[a]pyrene	1700		950	140	ug/Kg	☼	08/24/16 06:45	08/25/16 14:22	5
Benzo[b]fluoranthene	2600		950	150	ug/Kg	☼	08/24/16 06:45	08/25/16 14:22	5
Benzo[g,h,i]perylene	840	J	950	100	ug/Kg	☼	08/24/16 06:45	08/25/16 14:22	5
Benzo[k]fluoranthene	890	J	950	120	ug/Kg	☼	08/24/16 06:45	08/25/16 14:22	5
Chrysene	1900		950	210	ug/Kg	☼	08/24/16 06:45	08/25/16 14:22	5
Dibenz(a,h)anthracene	ND		950	170	ug/Kg	☼	08/24/16 06:45	08/25/16 14:22	5
Fluoranthene	3800		950	100	ug/Kg	☼	08/24/16 06:45	08/25/16 14:22	5
Fluorene	170	J	950	110	ug/Kg	☼	08/24/16 06:45	08/25/16 14:22	5
Hexachlorobenzene	ND		950	130	ug/Kg	☼	08/24/16 06:45	08/25/16 14:22	5
Indeno[1,2,3-cd]pyrene	770	J	950	120	ug/Kg	☼	08/24/16 06:45	08/25/16 14:22	5
Naphthalene	ND		950	120	ug/Kg	☼	08/24/16 06:45	08/25/16 14:22	5
Pentachlorophenol	ND		1800	950	ug/Kg	☼	08/24/16 06:45	08/25/16 14:22	5
Phenanthrene	2100		950	140	ug/Kg	☼	08/24/16 06:45	08/25/16 14:22	5
Phenol	ND		950	150	ug/Kg	☼	08/24/16 06:45	08/25/16 14:22	5
Pyrene	2900		950	110	ug/Kg	☼	08/24/16 06:45	08/25/16 14:22	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	82		39 - 146	08/24/16 06:45	08/25/16 14:22	5
2-Fluorobiphenyl	78		37 - 120	08/24/16 06:45	08/25/16 14:22	5
2-Fluorophenol (Surr)	74		18 - 120	08/24/16 06:45	08/25/16 14:22	5
Nitrobenzene-d5 (Surr)	66		34 - 132	08/24/16 06:45	08/25/16 14:22	5
Phenol-d5 (Surr)	75		11 - 120	08/24/16 06:45	08/25/16 14:22	5
p-Terphenyl-d14 (Surr)	74		65 - 153	08/24/16 06:45	08/25/16 14:22	5

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		9.3	1.8	ug/Kg	☼	08/24/16 06:26	08/25/16 15:27	5
4,4'-DDE	ND		9.3	2.0	ug/Kg	☼	08/24/16 06:26	08/25/16 15:27	5
4,4'-DDT	ND		9.3	2.2	ug/Kg	☼	08/24/16 06:26	08/25/16 15:27	5
Aldrin	ND		9.3	2.3	ug/Kg	☼	08/24/16 06:26	08/25/16 15:27	5
alpha-BHC	2.1	J	9.3	1.7	ug/Kg	☼	08/24/16 06:26	08/25/16 15:27	5
alpha-Chlordane	ND		9.3	4.6	ug/Kg	☼	08/24/16 06:26	08/25/16 15:27	5

TestAmerica Buffalo

Client Sample Results

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Client Sample ID: SS-22-081816

Lab Sample ID: 480-104754-23

Date Collected: 08/18/16 11:15

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 88.7

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
beta-BHC	ND		9.3	1.7	ug/Kg	☼	08/24/16 06:26	08/25/16 15:27	5
delta-BHC	ND		9.3	1.7	ug/Kg	☼	08/24/16 06:26	08/25/16 15:27	5
Dieldrin	83		9.3	2.2	ug/Kg	☼	08/24/16 06:26	08/25/16 15:27	5
Endosulfan I	ND		9.3	1.8	ug/Kg	☼	08/24/16 06:26	08/25/16 15:27	5
Endosulfan II	ND		9.3	1.7	ug/Kg	☼	08/24/16 06:26	08/25/16 15:27	5
Endosulfan sulfate	ND		9.3	1.7	ug/Kg	☼	08/24/16 06:26	08/25/16 15:27	5
Endrin	ND		9.3	1.8	ug/Kg	☼	08/24/16 06:26	08/25/16 15:27	5
Endrin aldehyde	ND		9.3	2.4	ug/Kg	☼	08/24/16 06:26	08/25/16 15:27	5
Endrin ketone	ND		9.3	2.3	ug/Kg	☼	08/24/16 06:26	08/25/16 15:27	5
gamma-BHC (Lindane)	ND		9.3	1.7	ug/Kg	☼	08/24/16 06:26	08/25/16 15:27	5
gamma-Chlordane	ND		9.3	3.0	ug/Kg	☼	08/24/16 06:26	08/25/16 15:27	5
Heptachlor	ND		9.3	2.0	ug/Kg	☼	08/24/16 06:26	08/25/16 15:27	5
Heptachlor epoxide	ND		9.3	2.4	ug/Kg	☼	08/24/16 06:26	08/25/16 15:27	5
Methoxychlor	ND		9.3	1.9	ug/Kg	☼	08/24/16 06:26	08/25/16 15:27	5
Toxaphene	ND		93	54	ug/Kg	☼	08/24/16 06:26	08/25/16 15:27	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>DCB Decachlorobiphenyl</i>	58		45 - 120				08/24/16 06:26	08/25/16 15:27	5
<i>Tetrachloro-m-xylene</i>	79		30 - 124				08/24/16 06:26	08/25/16 15:27	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.26	0.051	mg/Kg	☼	08/23/16 07:23	08/23/16 22:00	1
PCB-1221	ND		0.26	0.051	mg/Kg	☼	08/23/16 07:23	08/23/16 22:00	1
PCB-1232	ND		0.26	0.051	mg/Kg	☼	08/23/16 07:23	08/23/16 22:00	1
PCB-1242	ND		0.26	0.051	mg/Kg	☼	08/23/16 07:23	08/23/16 22:00	1
PCB-1248	ND		0.26	0.051	mg/Kg	☼	08/23/16 07:23	08/23/16 22:00	1
PCB-1254	ND		0.26	0.12	mg/Kg	☼	08/23/16 07:23	08/23/16 22:00	1
PCB-1260	ND		0.26	0.12	mg/Kg	☼	08/23/16 07:23	08/23/16 22:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>DCB Decachlorobiphenyl</i>	128		65 - 174				08/23/16 07:23	08/23/16 22:00	1
<i>Tetrachloro-m-xylene</i>	127		60 - 154				08/23/16 07:23	08/23/16 22:00	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		17.3	0.46	mg/Kg	☼	08/19/16 12:47	08/23/16 02:43	1
Arsenic	3.9		2.3	0.46	mg/Kg	☼	08/19/16 12:47	08/23/16 02:43	1
Beryllium	0.52		0.23	0.032	mg/Kg	☼	08/19/16 12:47	08/23/16 02:43	1
Cadmium	0.67		0.23	0.035	mg/Kg	☼	08/19/16 12:47	08/23/16 02:43	1
Chromium	24.0		0.58	0.23	mg/Kg	☼	08/19/16 12:47	08/23/16 02:43	1
Copper	42.5		1.2	0.24	mg/Kg	☼	08/19/16 12:47	08/23/16 02:43	1
Lead	339		1.2	0.28	mg/Kg	☼	08/19/16 12:47	08/23/16 02:43	1
Nickel	28.2		5.8	0.27	mg/Kg	☼	08/19/16 12:47	08/23/16 02:43	1
Selenium	ND		4.6	0.46	mg/Kg	☼	08/19/16 12:47	08/23/16 02:43	1
Silver	0.40	J	0.69	0.23	mg/Kg	☼	08/19/16 12:47	08/23/16 02:43	1
Thallium	ND		6.9	0.35	mg/Kg	☼	08/19/16 12:47	08/23/16 02:43	1
Zinc	190		2.3	0.74	mg/Kg	☼	08/19/16 12:47	08/23/16 02:43	1

TestAmerica Buffalo

Client Sample Results

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Client Sample ID: SS-22-081816

Lab Sample ID: 480-104754-23

Date Collected: 08/18/16 11:15

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 88.7

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.041		0.023	0.0094	mg/Kg	☼	08/19/16 12:00	08/19/16 16:29	1

Client Sample ID: SS-DUP2-081816

Lab Sample ID: 480-104754-24

Date Collected: 08/18/16 00:00

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 92.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		910	110	ug/Kg	☼	08/24/16 06:45	08/25/16 14:49	5
4-Methylphenol	ND		1800	110	ug/Kg	☼	08/24/16 06:45	08/25/16 14:49	5
Acenaphthene	650	J	910	130	ug/Kg	☼	08/24/16 06:45	08/25/16 14:49	5
Acenaphthylene	ND		910	120	ug/Kg	☼	08/24/16 06:45	08/25/16 14:49	5
Anthracene	1300		910	230	ug/Kg	☼	08/24/16 06:45	08/25/16 14:49	5
Benzo[a]anthracene	3300		910	91	ug/Kg	☼	08/24/16 06:45	08/25/16 14:49	5
Benzo[a]pyrene	2800		910	130	ug/Kg	☼	08/24/16 06:45	08/25/16 14:49	5
Benzo[b]fluoranthene	4100		910	150	ug/Kg	☼	08/24/16 06:45	08/25/16 14:49	5
Benzo[g,h,i]perylene	1200		910	97	ug/Kg	☼	08/24/16 06:45	08/25/16 14:49	5
Benzo[k]fluoranthene	1500		910	120	ug/Kg	☼	08/24/16 06:45	08/25/16 14:49	5
Chrysene	3400		910	200	ug/Kg	☼	08/24/16 06:45	08/25/16 14:49	5
Dibenz(a,h)anthracene	ND		910	160	ug/Kg	☼	08/24/16 06:45	08/25/16 14:49	5
Fluoranthene	7400		910	97	ug/Kg	☼	08/24/16 06:45	08/25/16 14:49	5
Fluorene	500	J	910	110	ug/Kg	☼	08/24/16 06:45	08/25/16 14:49	5
Hexachlorobenzene	ND		910	120	ug/Kg	☼	08/24/16 06:45	08/25/16 14:49	5
Indeno[1,2,3-cd]pyrene	1200		910	110	ug/Kg	☼	08/24/16 06:45	08/25/16 14:49	5
Naphthalene	ND		910	120	ug/Kg	☼	08/24/16 06:45	08/25/16 14:49	5
Pentachlorophenol	ND		1800	910	ug/Kg	☼	08/24/16 06:45	08/25/16 14:49	5
Phenanthrene	5100		910	130	ug/Kg	☼	08/24/16 06:45	08/25/16 14:49	5
Phenol	ND		910	140	ug/Kg	☼	08/24/16 06:45	08/25/16 14:49	5
Pyrene	5500		910	110	ug/Kg	☼	08/24/16 06:45	08/25/16 14:49	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	86		39 - 146	08/24/16 06:45	08/25/16 14:49	5
2-Fluorobiphenyl	83		37 - 120	08/24/16 06:45	08/25/16 14:49	5
2-Fluorophenol (Surr)	69		18 - 120	08/24/16 06:45	08/25/16 14:49	5
Nitrobenzene-d5 (Surr)	62		34 - 132	08/24/16 06:45	08/25/16 14:49	5
Phenol-d5 (Surr)	76		11 - 120	08/24/16 06:45	08/25/16 14:49	5
p-Terphenyl-d14 (Surr)	76		65 - 153	08/24/16 06:45	08/25/16 14:49	5

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		3.5	0.69	ug/Kg	☼	08/24/16 06:26	08/25/16 15:47	2
4,4'-DDE	0.99	J	3.5	0.74	ug/Kg	☼	08/24/16 06:26	08/25/16 15:47	2
4,4'-DDT	ND		3.5	0.83	ug/Kg	☼	08/24/16 06:26	08/25/16 15:47	2
Aldrin	ND		3.5	0.87	ug/Kg	☼	08/24/16 06:26	08/25/16 15:47	2
alpha-BHC	0.80	J	3.5	0.64	ug/Kg	☼	08/24/16 06:26	08/25/16 15:47	2
alpha-Chlordane	ND		3.5	1.8	ug/Kg	☼	08/24/16 06:26	08/25/16 15:47	2
beta-BHC	ND		3.5	0.64	ug/Kg	☼	08/24/16 06:26	08/25/16 15:47	2
delta-BHC	ND		3.5	0.66	ug/Kg	☼	08/24/16 06:26	08/25/16 15:47	2
Dieldrin	48		3.5	0.85	ug/Kg	☼	08/24/16 06:26	08/25/16 15:47	2
Endosulfan I	ND		3.5	0.68	ug/Kg	☼	08/24/16 06:26	08/25/16 15:47	2

TestAmerica Buffalo

Client Sample Results

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Client Sample ID: SS-DUP2-081816

Lab Sample ID: 480-104754-24

Date Collected: 08/18/16 00:00

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 92.8

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan II	ND		3.5	0.64	ug/Kg	☼	08/24/16 06:26	08/25/16 15:47	2
Endosulfan sulfate	ND		3.5	0.66	ug/Kg	☼	08/24/16 06:26	08/25/16 15:47	2
Endrin	ND		3.5	0.70	ug/Kg	☼	08/24/16 06:26	08/25/16 15:47	2
Endrin aldehyde	ND		3.5	0.90	ug/Kg	☼	08/24/16 06:26	08/25/16 15:47	2
Endrin ketone	ND		3.5	0.87	ug/Kg	☼	08/24/16 06:26	08/25/16 15:47	2
gamma-BHC (Lindane)	ND		3.5	0.65	ug/Kg	☼	08/24/16 06:26	08/25/16 15:47	2
gamma-Chlordane	ND		3.5	1.1	ug/Kg	☼	08/24/16 06:26	08/25/16 15:47	2
Heptachlor	ND		3.5	0.77	ug/Kg	☼	08/24/16 06:26	08/25/16 15:47	2
Heptachlor epoxide	ND		3.5	0.91	ug/Kg	☼	08/24/16 06:26	08/25/16 15:47	2
Methoxychlor	ND		3.5	0.72	ug/Kg	☼	08/24/16 06:26	08/25/16 15:47	2
Toxaphene	ND		35	21	ug/Kg	☼	08/24/16 06:26	08/25/16 15:47	2
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	86		45 - 120				08/24/16 06:26	08/25/16 15:47	2
Tetrachloro-m-xylene	63		30 - 124				08/24/16 06:26	08/25/16 15:47	2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.26	0.051	mg/Kg	☼	08/23/16 07:23	08/23/16 22:16	1
PCB-1221	ND		0.26	0.051	mg/Kg	☼	08/23/16 07:23	08/23/16 22:16	1
PCB-1232	ND		0.26	0.051	mg/Kg	☼	08/23/16 07:23	08/23/16 22:16	1
PCB-1242	ND		0.26	0.051	mg/Kg	☼	08/23/16 07:23	08/23/16 22:16	1
PCB-1248	ND		0.26	0.051	mg/Kg	☼	08/23/16 07:23	08/23/16 22:16	1
PCB-1254	0.12	J	0.26	0.12	mg/Kg	☼	08/23/16 07:23	08/23/16 22:16	1
PCB-1260	ND		0.26	0.12	mg/Kg	☼	08/23/16 07:23	08/23/16 22:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	142		65 - 174				08/23/16 07:23	08/23/16 22:16	1
Tetrachloro-m-xylene	134		60 - 154				08/23/16 07:23	08/23/16 22:16	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		14.7	0.39	mg/Kg	☼	08/19/16 12:47	08/23/16 02:47	1
Arsenic	4.1		2.0	0.39	mg/Kg	☼	08/19/16 12:47	08/23/16 02:47	1
Beryllium	0.49		0.20	0.027	mg/Kg	☼	08/19/16 12:47	08/23/16 02:47	1
Cadmium	0.61		0.20	0.029	mg/Kg	☼	08/19/16 12:47	08/23/16 02:47	1
Chromium	23.1		0.49	0.20	mg/Kg	☼	08/19/16 12:47	08/23/16 02:47	1
Copper	46.0		0.98	0.21	mg/Kg	☼	08/19/16 12:47	08/23/16 02:47	1
Lead	406		0.98	0.24	mg/Kg	☼	08/19/16 12:47	08/23/16 02:47	1
Nickel	27.2		4.9	0.23	mg/Kg	☼	08/19/16 12:47	08/23/16 02:47	1
Selenium	ND		3.9	0.39	mg/Kg	☼	08/19/16 12:47	08/23/16 02:47	1
Silver	0.33	J	0.59	0.20	mg/Kg	☼	08/19/16 12:47	08/23/16 02:47	1
Thallium	ND		5.9	0.29	mg/Kg	☼	08/19/16 12:47	08/23/16 02:47	1
Zinc	185		2.0	0.63	mg/Kg	☼	08/19/16 12:47	08/23/16 02:47	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.034		0.021	0.0086	mg/Kg	☼	08/19/16 12:00	08/19/16 16:30	1

TestAmerica Buffalo

Client Sample Results

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Client Sample ID: SS-23-081816

Lab Sample ID: 480-104754-25

Date Collected: 08/18/16 11:45

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 88.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		930	110	ug/Kg	☼	08/24/16 06:45	08/25/16 15:15	5
4-Methylphenol	ND		1800	110	ug/Kg	☼	08/24/16 06:45	08/25/16 15:15	5
Acenaphthene	ND		930	140	ug/Kg	☼	08/24/16 06:45	08/25/16 15:15	5
Acenaphthylene	ND		930	120	ug/Kg	☼	08/24/16 06:45	08/25/16 15:15	5
Anthracene	ND		930	230	ug/Kg	☼	08/24/16 06:45	08/25/16 15:15	5
Benzo[a]anthracene	700	J	930	93	ug/Kg	☼	08/24/16 06:45	08/25/16 15:15	5
Benzo[a]pyrene	570	J	930	140	ug/Kg	☼	08/24/16 06:45	08/25/16 15:15	5
Benzo[b]fluoranthene	810	J	930	150	ug/Kg	☼	08/24/16 06:45	08/25/16 15:15	5
Benzo[g,h,i]perylene	230	J	930	99	ug/Kg	☼	08/24/16 06:45	08/25/16 15:15	5
Benzo[k]fluoranthene	360	J	930	120	ug/Kg	☼	08/24/16 06:45	08/25/16 15:15	5
Chrysene	660	J	930	210	ug/Kg	☼	08/24/16 06:45	08/25/16 15:15	5
Dibenz(a,h)anthracene	ND		930	160	ug/Kg	☼	08/24/16 06:45	08/25/16 15:15	5
Fluoranthene	1400		930	99	ug/Kg	☼	08/24/16 06:45	08/25/16 15:15	5
Fluorene	ND		930	110	ug/Kg	☼	08/24/16 06:45	08/25/16 15:15	5
Hexachlorobenzene	ND		930	130	ug/Kg	☼	08/24/16 06:45	08/25/16 15:15	5
Indeno[1,2,3-cd]pyrene	230	J	930	120	ug/Kg	☼	08/24/16 06:45	08/25/16 15:15	5
Naphthalene	ND		930	120	ug/Kg	☼	08/24/16 06:45	08/25/16 15:15	5
Pentachlorophenol	ND		1800	930	ug/Kg	☼	08/24/16 06:45	08/25/16 15:15	5
Phenanthrene	870	J	930	140	ug/Kg	☼	08/24/16 06:45	08/25/16 15:15	5
Phenol	ND		930	140	ug/Kg	☼	08/24/16 06:45	08/25/16 15:15	5
Pyrene	1000		930	110	ug/Kg	☼	08/24/16 06:45	08/25/16 15:15	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	84		39 - 146	08/24/16 06:45	08/25/16 15:15	5
2-Fluorobiphenyl	75		37 - 120	08/24/16 06:45	08/25/16 15:15	5
2-Fluorophenol (Surr)	68		18 - 120	08/24/16 06:45	08/25/16 15:15	5
Nitrobenzene-d5 (Surr)	68		34 - 132	08/24/16 06:45	08/25/16 15:15	5
Phenol-d5 (Surr)	77		11 - 120	08/24/16 06:45	08/25/16 15:15	5
p-Terphenyl-d14 (Surr)	71		65 - 153	08/24/16 06:45	08/25/16 15:15	5

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		3.8	0.73	ug/Kg	☼	08/24/16 06:26	08/25/16 16:06	2
4,4'-DDE	2.6	J	3.8	0.79	ug/Kg	☼	08/24/16 06:26	08/25/16 16:06	2
4,4'-DDT	ND		3.8	0.88	ug/Kg	☼	08/24/16 06:26	08/25/16 16:06	2
Aldrin	ND		3.8	0.92	ug/Kg	☼	08/24/16 06:26	08/25/16 16:06	2
alpha-BHC	ND		3.8	0.67	ug/Kg	☼	08/24/16 06:26	08/25/16 16:06	2
alpha-Chlordane	ND		3.8	1.9	ug/Kg	☼	08/24/16 06:26	08/25/16 16:06	2
beta-BHC	ND		3.8	0.67	ug/Kg	☼	08/24/16 06:26	08/25/16 16:06	2
delta-BHC	ND		3.8	0.70	ug/Kg	☼	08/24/16 06:26	08/25/16 16:06	2
Dieldrin	16		3.8	0.90	ug/Kg	☼	08/24/16 06:26	08/25/16 16:06	2
Endosulfan I	ND		3.8	0.72	ug/Kg	☼	08/24/16 06:26	08/25/16 16:06	2
Endosulfan II	ND		3.8	0.67	ug/Kg	☼	08/24/16 06:26	08/25/16 16:06	2
Endosulfan sulfate	ND		3.8	0.70	ug/Kg	☼	08/24/16 06:26	08/25/16 16:06	2
Endrin	ND		3.8	0.74	ug/Kg	☼	08/24/16 06:26	08/25/16 16:06	2
Endrin aldehyde	ND		3.8	0.96	ug/Kg	☼	08/24/16 06:26	08/25/16 16:06	2
Endrin ketone	ND		3.8	0.92	ug/Kg	☼	08/24/16 06:26	08/25/16 16:06	2
gamma-BHC (Lindane)	ND		3.8	0.69	ug/Kg	☼	08/24/16 06:26	08/25/16 16:06	2
gamma-Chlordane	ND		3.8	1.2	ug/Kg	☼	08/24/16 06:26	08/25/16 16:06	2
Heptachlor	ND		3.8	0.81	ug/Kg	☼	08/24/16 06:26	08/25/16 16:06	2

TestAmerica Buffalo

Client Sample Results

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Client Sample ID: SS-23-081816

Lab Sample ID: 480-104754-25

Date Collected: 08/18/16 11:45

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 88.6

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Heptachlor epoxide	ND		3.8	0.97	ug/Kg	☼	08/24/16 06:26	08/25/16 16:06	2
Methoxychlor	ND		3.8	0.76	ug/Kg	☼	08/24/16 06:26	08/25/16 16:06	2
Toxaphene	ND		38	22	ug/Kg	☼	08/24/16 06:26	08/25/16 16:06	2
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	55		45 - 120				08/24/16 06:26	08/25/16 16:06	2
Tetrachloro-m-xylene	64		30 - 124				08/24/16 06:26	08/25/16 16:06	2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.24	0.047	mg/Kg	☼	08/23/16 07:23	08/23/16 22:32	1
PCB-1221	ND		0.24	0.047	mg/Kg	☼	08/23/16 07:23	08/23/16 22:32	1
PCB-1232	ND		0.24	0.047	mg/Kg	☼	08/23/16 07:23	08/23/16 22:32	1
PCB-1242	ND		0.24	0.047	mg/Kg	☼	08/23/16 07:23	08/23/16 22:32	1
PCB-1248	ND		0.24	0.047	mg/Kg	☼	08/23/16 07:23	08/23/16 22:32	1
PCB-1254	ND		0.24	0.11	mg/Kg	☼	08/23/16 07:23	08/23/16 22:32	1
PCB-1260	ND		0.24	0.11	mg/Kg	☼	08/23/16 07:23	08/23/16 22:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	143		65 - 174				08/23/16 07:23	08/23/16 22:32	1
Tetrachloro-m-xylene	133		60 - 154				08/23/16 07:23	08/23/16 22:32	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		17.4	0.46	mg/Kg	☼	08/19/16 12:47	08/23/16 03:00	1
Arsenic	4.1		2.3	0.46	mg/Kg	☼	08/19/16 12:47	08/23/16 03:00	1
Beryllium	0.74		0.23	0.032	mg/Kg	☼	08/19/16 12:47	08/23/16 03:00	1
Cadmium	0.40		0.23	0.035	mg/Kg	☼	08/19/16 12:47	08/23/16 03:00	1
Chromium	25.9		0.58	0.23	mg/Kg	☼	08/19/16 12:47	08/23/16 03:00	1
Copper	20.9		1.2	0.24	mg/Kg	☼	08/19/16 12:47	08/23/16 03:00	1
Lead	68.3		1.2	0.28	mg/Kg	☼	08/19/16 12:47	08/23/16 03:00	1
Nickel	27.9		5.8	0.27	mg/Kg	☼	08/19/16 12:47	08/23/16 03:00	1
Selenium	ND		4.6	0.46	mg/Kg	☼	08/19/16 12:47	08/23/16 03:00	1
Silver	0.40	J	0.70	0.23	mg/Kg	☼	08/19/16 12:47	08/23/16 03:00	1
Thallium	ND		7.0	0.35	mg/Kg	☼	08/19/16 12:47	08/23/16 03:00	1
Zinc	99.4		2.3	0.74	mg/Kg	☼	08/19/16 12:47	08/23/16 03:00	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.037		0.023	0.0093	mg/Kg	☼	08/19/16 12:00	08/19/16 16:32	1

TestAmerica Buffalo

Surrogate Summary

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (39-146)	FBP (37-120)	2FP (18-120)	NBZ (34-132)	PHL (11-120)	TPH (65-153)
480-104754-1	SS-1-081716	103	83	62	80	74	89
480-104754-2	SS-2-081716	87	80	69	75	72	79
480-104754-2 MS	SS-2-081716	92	74	61	69	62	77
480-104754-2 MSD	SS-2-081716	98	82	64	74	70	81
480-104754-3	SS-3-081716	76	74	69	74	71	81
480-104754-4	SS-DUP1-081716	89	85	70	78	77	92
480-104754-5	SS-4-081716	85	75	63	71	67	81
480-104754-6	SS-5-081716	79	75	64	75	64	83
480-104754-7	SS-6-081716	81	75	64	73	67	78
480-104754-8	SS-7-081716	103	70	63	67	64	69
480-104754-9	SS-8-081716	75	73	58	68	64	69
480-104754-10	SS-9-081716	86	67	58	62	61	77
480-104754-11	SS-10-081716	94	70	63	71	59	76
480-104754-12	SS-11-081716	89	82	67	72	72	84
480-104754-13	SS-12-081716	84	82	71	80	73	85
480-104754-14	SS-13-081716	86	77	68	77	71	81
480-104754-15	SS-14-081716	83	82	77	73	79	83
480-104754-16	SS-15-081716	84	77	76	64	79	75
480-104754-17	SS-16-081716	84	82	70	63	75	79
480-104754-18	SS-17-081816	83	82	76	65	82	80
480-104754-19	SS-18-081816	86	80	76	67	82	80
480-104754-20	SS-19-081816	83	72	64	55	66	74
480-104754-21	SS-20-081816	89	80	65	57	74	79
480-104754-22	SS-21-081816	88	83	75	71	81	78
480-104754-22 MS	SS-21-081816	91	89	79	81	79	82
480-104754-22 MSD	SS-21-081816	100	88	78	78	81	82
480-104754-23	SS-22-081816	82	78	74	66	75	74
480-104754-24	SS-DUP2-081816	86	83	69	62	76	76
480-104754-25	SS-23-081816	84	75	68	68	77	71
LCS 480-317219/2-A	Lab Control Sample	99	81	68	76	70	91
LCS 480-317409/2-A	Lab Control Sample	97	94	84	89	86	96
MB 480-317219/1-A	Method Blank	86	80	71	79	71	90
MB 480-317409/1-A	Method Blank	81	92	84	80	89	108

Surrogate Legend

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

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCB2 (45-120)	TCX2 (30-124)
480-104754-1	SS-1-081716	0 X	74

TestAmerica Buffalo

Surrogate Summary

Client: GHD Services Inc.
 Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCB2 (45-120)	TCX2 (30-124)
480-104754-2	SS-2-081716	180 X	68
480-104754-2 MS	SS-2-081716	143 X	63
480-104754-2 MSD	SS-2-081716	130 X	65
480-104754-3	SS-3-081716	106	61
480-104754-4	SS-DUP1-081716	124 X	67
480-104754-5	SS-4-081716	184 X	65
480-104754-6	SS-5-081716	91	64
480-104754-7	SS-6-081716	137 X	59
480-104754-8	SS-7-081716	197 X	113
480-104754-9	SS-8-081716	43 X	32
480-104754-10	SS-9-081716	113	67
480-104754-11	SS-10-081716	140 X	66
480-104754-12	SS-11-081716	140 X	62
480-104754-13	SS-12-081716	164 X	68
480-104754-14	SS-13-081716	168 X	63
480-104754-15	SS-14-081716	102	69
480-104754-16	SS-15-081716	0 X	177 X
480-104754-17	SS-16-081716	96	63
480-104754-18	SS-17-081816	247 X	120
480-104754-19	SS-18-081816	91	62
LCS 480-317014/2-A	Lab Control Sample	72	55
MB 480-317014/1-A	Method Blank	67	52

Surrogate Legend

DCB = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCB1 (45-120)	TCX1 (30-124)
480-104754-20	SS-19-081816	66	82
480-104754-21	SS-20-081816	76	80
480-104754-22	SS-21-081816	64	112
480-104754-22 MS	SS-21-081816	59	109
480-104754-22 MSD	SS-21-081816	74	121
480-104754-23	SS-22-081816	58	79
480-104754-24	SS-DUP2-081816	86	63
480-104754-25	SS-23-081816	55	64
LCS 480-317406/2-A	Lab Control Sample	62	61
MB 480-317406/1-A	Method Blank	77	63

Surrogate Legend

DCB = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Surrogate Summary

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

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

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCB2 (65-174)	TCX2 (60-154)
480-104754-1	SS-1-081716	99	114
480-104754-2	SS-2-081716	94	108
480-104754-2 MS	SS-2-081716	94	108
480-104754-2 MSD	SS-2-081716	95	104
480-104754-3	SS-3-081716	100	111
480-104754-4	SS-DUP1-081716	103	117
480-104754-5	SS-4-081716	91	108
480-104754-6	SS-5-081716	97	109
480-104754-7	SS-6-081716	98	109
480-104754-8	SS-7-081716	98	113
480-104754-9	SS-8-081716	100	111
480-104754-10	SS-9-081716	104	111
480-104754-11	SS-10-081716	102	114
480-104754-12	SS-11-081716	105	114
480-104754-13	SS-12-081716	105	114
480-104754-14	SS-13-081716	106	116
480-104754-15	SS-14-081716	102	110
480-104754-16	SS-15-081716	105	113
480-104754-17	SS-16-081716	111	115
480-104754-18	SS-17-081816	107	116
480-104754-19	SS-18-081816	154	97
480-104754-20	SS-19-081816	144	143
480-104754-21	SS-20-081816	140	127
480-104754-22	SS-21-081816	141	132
480-104754-22 MS	SS-21-081816	146	140
480-104754-22 MSD	SS-21-081816	169	89
480-104754-23	SS-22-081816	128	127
480-104754-24	SS-DUP2-081816	142	134
480-104754-25	SS-23-081816	143	133
LCS 480-317115/2-A	Lab Control Sample	88	104
LCS 480-317236/2-A	Lab Control Sample	154	141
MB 480-317115/1-A	Method Blank	110	115
MB 480-317236/1-A	Method Blank	152	138

Surrogate Legend

DCB = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

QC Sample Results

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

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

Lab Sample ID: MB 480-317219/1-A
Matrix: Solid
Analysis Batch: 317371

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 317219

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		170	20	ug/Kg		08/23/16 06:20	08/23/16 19:16	1
4-Methylphenol	ND		330	20	ug/Kg		08/23/16 06:20	08/23/16 19:16	1
Acenaphthene	ND		170	25	ug/Kg		08/23/16 06:20	08/23/16 19:16	1
Acenaphthylene	ND		170	22	ug/Kg		08/23/16 06:20	08/23/16 19:16	1
Anthracene	ND		170	42	ug/Kg		08/23/16 06:20	08/23/16 19:16	1
Benzo[a]anthracene	ND		170	17	ug/Kg		08/23/16 06:20	08/23/16 19:16	1
Benzo[a]pyrene	ND		170	25	ug/Kg		08/23/16 06:20	08/23/16 19:16	1
Benzo[b]fluoranthene	ND		170	27	ug/Kg		08/23/16 06:20	08/23/16 19:16	1
Benzo[g,h,i]perylene	ND		170	18	ug/Kg		08/23/16 06:20	08/23/16 19:16	1
Benzo[k]fluoranthene	ND		170	22	ug/Kg		08/23/16 06:20	08/23/16 19:16	1
Chrysene	ND		170	38	ug/Kg		08/23/16 06:20	08/23/16 19:16	1
Dibenz(a,h)anthracene	ND		170	30	ug/Kg		08/23/16 06:20	08/23/16 19:16	1
Fluoranthene	ND		170	18	ug/Kg		08/23/16 06:20	08/23/16 19:16	1
Fluorene	ND		170	20	ug/Kg		08/23/16 06:20	08/23/16 19:16	1
Hexachlorobenzene	ND		170	23	ug/Kg		08/23/16 06:20	08/23/16 19:16	1
Indeno[1,2,3-cd]pyrene	ND		170	21	ug/Kg		08/23/16 06:20	08/23/16 19:16	1
Naphthalene	ND		170	22	ug/Kg		08/23/16 06:20	08/23/16 19:16	1
Pentachlorophenol	ND		330	170	ug/Kg		08/23/16 06:20	08/23/16 19:16	1
Phenanthrene	ND		170	25	ug/Kg		08/23/16 06:20	08/23/16 19:16	1
Phenol	ND		170	26	ug/Kg		08/23/16 06:20	08/23/16 19:16	1
Pyrene	ND		170	20	ug/Kg		08/23/16 06:20	08/23/16 19:16	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	86		39 - 146	08/23/16 06:20	08/23/16 19:16	1
2-Fluorobiphenyl	80		37 - 120	08/23/16 06:20	08/23/16 19:16	1
2-Fluorophenol (Surr)	71		18 - 120	08/23/16 06:20	08/23/16 19:16	1
Nitrobenzene-d5 (Surr)	79		34 - 132	08/23/16 06:20	08/23/16 19:16	1
Phenol-d5 (Surr)	71		11 - 120	08/23/16 06:20	08/23/16 19:16	1
p-Terphenyl-d14 (Surr)	90		65 - 153	08/23/16 06:20	08/23/16 19:16	1

Lab Sample ID: LCS 480-317219/2-A
Matrix: Solid
Analysis Batch: 317371

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 317219

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
2-Methylphenol	1660	1140		ug/Kg		68	48 - 120
4-Methylphenol	1660	1160		ug/Kg		70	50 - 119
Acenaphthene	1660	1300		ug/Kg		78	53 - 120
Acenaphthylene	1660	1270		ug/Kg		76	58 - 121
Anthracene	1660	1330		ug/Kg		80	62 - 129
Benzo[a]anthracene	1660	1450		ug/Kg		87	65 - 133
Benzo[a]pyrene	1660	1440		ug/Kg		86	64 - 127
Benzo[b]fluoranthene	1660	1540		ug/Kg		93	64 - 135
Benzo[g,h,i]perylene	1660	1280		ug/Kg		77	50 - 152
Benzo[k]fluoranthene	1660	1480		ug/Kg		89	58 - 138
Chrysene	1660	1420		ug/Kg		85	64 - 131
Dibenz(a,h)anthracene	1660	1330		ug/Kg		80	54 - 148
Fluoranthene	1660	1320		ug/Kg		79	62 - 131

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QC Sample Results

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

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

Lab Sample ID: LCS 480-317219/2-A
Matrix: Solid
Analysis Batch: 317371

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 317219

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Fluorene	1660	1280		ug/Kg		77	63 - 126
Hexachlorobenzene	1660	1520		ug/Kg		91	60 - 132
Indeno[1,2,3-cd]pyrene	1660	1320		ug/Kg		79	56 - 149
Naphthalene	1660	1180		ug/Kg		71	46 - 120
Pentachlorophenol	3330	2610		ug/Kg		79	33 - 136
Phenanthrene	1660	1380		ug/Kg		83	60 - 130
Phenol	1660	1090		ug/Kg		65	36 - 120
Pyrene	1660	1550		ug/Kg		93	51 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	99		39 - 146
2-Fluorobiphenyl	81		37 - 120
2-Fluorophenol (Surr)	68		18 - 120
Nitrobenzene-d5 (Surr)	76		34 - 132
Phenol-d5 (Surr)	70		11 - 120
p-Terphenyl-d14 (Surr)	91		65 - 153

Lab Sample ID: 480-104754-2 MS
Matrix: Solid
Analysis Batch: 317371

Client Sample ID: SS-2-081716
Prep Type: Total/NA
Prep Batch: 317219

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
2-Methylphenol	ND		1840	1150		ug/Kg	☼	63	48 - 120
4-Methylphenol	ND		1840	1200		ug/Kg	☼	65	50 - 119
Acenaphthene	36	J	1840	1400		ug/Kg	☼	74	53 - 120
Acenaphthylene	71	J	1840	1420		ug/Kg	☼	73	58 - 121
Anthracene	110	J	1840	1490		ug/Kg	☼	75	62 - 129
Benzo[a]anthracene	450		1840	1850		ug/Kg	☼	76	65 - 133
Benzo[a]pyrene	480		1840	1790		ug/Kg	☼	71	64 - 127
Benzo[b]fluoranthene	720		1840	2100		ug/Kg	☼	75	64 - 135
Benzo[g,h,i]perylene	430		1840	2030		ug/Kg	☼	87	50 - 152
Benzo[k]fluoranthene	280		1840	1570		ug/Kg	☼	71	58 - 138
Chrysene	550		1840	1840		ug/Kg	☼	70	64 - 131
Dibenz(a,h)anthracene	110	J	1840	1660		ug/Kg	☼	85	54 - 148
Fluoranthene	1000		1840	2290		ug/Kg	☼	68	62 - 131
Fluorene	42	J	1840	1390		ug/Kg	☼	74	63 - 126
Hexachlorobenzene	ND		1840	1600		ug/Kg	☼	87	60 - 132
Indeno[1,2,3-cd]pyrene	410		1840	1930		ug/Kg	☼	83	56 - 149
Naphthalene	36	J	1840	1260		ug/Kg	☼	67	46 - 120
Pentachlorophenol	ND		3670	2590		ug/Kg	☼	71	33 - 136
Phenanthrene	540		1840	1860		ug/Kg	☼	72	60 - 130
Phenol	ND		1840	1080		ug/Kg	☼	59	36 - 120
Pyrene	830		1840	2210		ug/Kg	☼	75	51 - 133

Surrogate	MS %Recovery	MS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	92		39 - 146
2-Fluorobiphenyl	74		37 - 120

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QC Sample Results

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

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

Lab Sample ID: 480-104754-2 MS
Matrix: Solid
Analysis Batch: 317371

Client Sample ID: SS-2-081716
Prep Type: Total/NA
Prep Batch: 317219

Surrogate	MS %Recovery	MS Qualifier	Limits
2-Fluorophenol (Surr)	61		18 - 120
Nitrobenzene-d5 (Surr)	69		34 - 132
Phenol-d5 (Surr)	62		11 - 120
p-Terphenyl-d14 (Surr)	77		65 - 153

Lab Sample ID: 480-104754-2 MSD
Matrix: Solid
Analysis Batch: 317371

Client Sample ID: SS-2-081716
Prep Type: Total/NA
Prep Batch: 317219

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Methylphenol	ND		1840	1280		ug/Kg	*	70	48 - 120	11	27
4-Methylphenol	ND		1840	1330		ug/Kg	*	72	50 - 119	10	24
Acenaphthene	36	J	1840	1540		ug/Kg	*	82	53 - 120	10	35
Acenaphthylene	71	J	1840	1610		ug/Kg	*	84	58 - 121	13	18
Anthracene	110	J	1840	1670		ug/Kg	*	85	62 - 129	11	15
Benzo[a]anthracene	450		1840	2010		ug/Kg	*	85	65 - 133	8	15
Benzo[a]pyrene	480		1840	1960		ug/Kg	*	80	64 - 127	9	15
Benzo[b]fluoranthene	720		1840	2150		ug/Kg	*	78	64 - 135	2	15
Benzo[g,h,i]perylene	430		1840	2280		ug/Kg	*	101	50 - 152	11	15
Benzo[k]fluoranthene	280		1840	1710		ug/Kg	*	78	58 - 138	8	22
Chrysene	550		1840	2050		ug/Kg	*	81	64 - 131	10	15
Dibenz(a,h)anthracene	110	J	1840	1920		ug/Kg	*	98	54 - 148	14	15
Fluoranthene	1000		1840	2490		ug/Kg	*	78	62 - 131	8	15
Fluorene	42	J	1840	1540		ug/Kg	*	82	63 - 126	10	15
Hexachlorobenzene	ND		1840	1680		ug/Kg	*	91	60 - 132	5	15
Indeno[1,2,3-cd]pyrene	410		1840	2200		ug/Kg	*	97	56 - 149	13	15
Naphthalene	36	J	1840	1330		ug/Kg	*	70	46 - 120	5	29
Pentachlorophenol	ND		3680	2790		ug/Kg	*	76	33 - 136	7	35
Phenanthrene	540		1840	2080		ug/Kg	*	84	60 - 130	11	15
Phenol	ND		1840	1220		ug/Kg	*	66	36 - 120	12	35
Pyrene	830		1840	2340		ug/Kg	*	82	51 - 133	5	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2,4,6-Tribromophenol (Surr)	98		39 - 146
2-Fluorobiphenyl	82		37 - 120
2-Fluorophenol (Surr)	64		18 - 120
Nitrobenzene-d5 (Surr)	74		34 - 132
Phenol-d5 (Surr)	70		11 - 120
p-Terphenyl-d14 (Surr)	81		65 - 153

Lab Sample ID: MB 480-317409/1-A
Matrix: Solid
Analysis Batch: 317601

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 317409

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		170	20	ug/Kg		08/24/16 06:45	08/25/16 07:18	1
4-Methylphenol	ND		320	20	ug/Kg		08/24/16 06:45	08/25/16 07:18	1
Acenaphthene	ND		170	24	ug/Kg		08/24/16 06:45	08/25/16 07:18	1

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QC Sample Results

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

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

Lab Sample ID: MB 480-317409/1-A
Matrix: Solid
Analysis Batch: 317601

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 317409

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	ND		170	22	ug/Kg		08/24/16 06:45	08/25/16 07:18	1
Anthracene	ND		170	41	ug/Kg		08/24/16 06:45	08/25/16 07:18	1
Benzo[a]anthracene	ND		170	17	ug/Kg		08/24/16 06:45	08/25/16 07:18	1
Benzo[a]pyrene	ND		170	24	ug/Kg		08/24/16 06:45	08/25/16 07:18	1
Benzo[b]fluoranthene	ND		170	26	ug/Kg		08/24/16 06:45	08/25/16 07:18	1
Benzo[g,h,i]perylene	ND		170	18	ug/Kg		08/24/16 06:45	08/25/16 07:18	1
Benzo[k]fluoranthene	ND		170	22	ug/Kg		08/24/16 06:45	08/25/16 07:18	1
Chrysene	ND		170	37	ug/Kg		08/24/16 06:45	08/25/16 07:18	1
Dibenz(a,h)anthracene	ND		170	29	ug/Kg		08/24/16 06:45	08/25/16 07:18	1
Fluoranthene	ND		170	18	ug/Kg		08/24/16 06:45	08/25/16 07:18	1
Fluorene	ND		170	20	ug/Kg		08/24/16 06:45	08/25/16 07:18	1
Hexachlorobenzene	ND		170	23	ug/Kg		08/24/16 06:45	08/25/16 07:18	1
Indeno[1,2,3-cd]pyrene	ND		170	21	ug/Kg		08/24/16 06:45	08/25/16 07:18	1
Naphthalene	ND		170	22	ug/Kg		08/24/16 06:45	08/25/16 07:18	1
Pentachlorophenol	ND		320	170	ug/Kg		08/24/16 06:45	08/25/16 07:18	1
Phenanthrene	ND		170	24	ug/Kg		08/24/16 06:45	08/25/16 07:18	1
Phenol	ND		170	25	ug/Kg		08/24/16 06:45	08/25/16 07:18	1
Pyrene	ND		170	20	ug/Kg		08/24/16 06:45	08/25/16 07:18	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	81		39 - 146	08/24/16 06:45	08/25/16 07:18	1
2-Fluorobiphenyl	92		37 - 120	08/24/16 06:45	08/25/16 07:18	1
2-Fluorophenol (Surr)	84		18 - 120	08/24/16 06:45	08/25/16 07:18	1
Nitrobenzene-d5 (Surr)	80		34 - 132	08/24/16 06:45	08/25/16 07:18	1
Phenol-d5 (Surr)	89		11 - 120	08/24/16 06:45	08/25/16 07:18	1
p-Terphenyl-d14 (Surr)	108		65 - 153	08/24/16 06:45	08/25/16 07:18	1

Lab Sample ID: LCS 480-317409/2-A
Matrix: Solid
Analysis Batch: 317601

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 317409

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
2-Methylphenol	1650	1390		ug/Kg		84	48 - 120
4-Methylphenol	1650	1370		ug/Kg		83	50 - 119
Acenaphthene	1650	1530		ug/Kg		93	53 - 120
Acenaphthylene	1650	1510		ug/Kg		92	58 - 121
Anthracene	1650	1620		ug/Kg		98	62 - 129
Benzo[a]anthracene	1650	1630		ug/Kg		99	65 - 133
Benzo[a]pyrene	1650	1610		ug/Kg		98	64 - 127
Benzo[b]fluoranthene	1650	1650		ug/Kg		100	64 - 135
Benzo[g,h,i]perylene	1650	1700		ug/Kg		103	50 - 152
Benzo[k]fluoranthene	1650	1590		ug/Kg		96	58 - 138
Chrysene	1650	1600		ug/Kg		98	64 - 131
Dibenz(a,h)anthracene	1650	1650		ug/Kg		100	54 - 148
Fluoranthene	1650	1550		ug/Kg		94	62 - 131
Fluorene	1650	1520		ug/Kg		93	63 - 126
Hexachlorobenzene	1650	1700		ug/Kg		103	60 - 132
Indeno[1,2,3-cd]pyrene	1650	1650		ug/Kg		100	56 - 149

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QC Sample Results

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

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

Lab Sample ID: LCS 480-317409/2-A
Matrix: Solid
Analysis Batch: 317601

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 317409

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Naphthalene	1650	1390		ug/Kg		84	46 - 120
Pentachlorophenol	3290	2650		ug/Kg		80	33 - 136
Phenanthrene	1650	1590		ug/Kg		97	60 - 130
Phenol	1650	1340		ug/Kg		81	36 - 120
Pyrene	1650	1650		ug/Kg		100	51 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	97		39 - 146
2-Fluorobiphenyl	94		37 - 120
2-Fluorophenol (Surr)	84		18 - 120
Nitrobenzene-d5 (Surr)	89		34 - 132
Phenol-d5 (Surr)	86		11 - 120
p-Terphenyl-d14 (Surr)	96		65 - 153

Lab Sample ID: 480-104754-22 MS
Matrix: Solid
Analysis Batch: 317601

Client Sample ID: SS-21-081816
Prep Type: Total/NA
Prep Batch: 317409

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
2-Methylphenol	ND		1820	1440		ug/Kg	☼	79	48 - 120
4-Methylphenol	ND		1820	1400	J	ug/Kg	☼	77	50 - 119
Acenaphthene	ND		1820	1610		ug/Kg	☼	89	53 - 120
Acenaphthylene	ND		1820	1510		ug/Kg	☼	83	58 - 121
Anthracene	ND		1820	1690		ug/Kg	☼	93	62 - 129
Benzo[a]anthracene	500	J	1820	2140		ug/Kg	☼	90	65 - 133
Benzo[a]pyrene	440	J	1820	2080		ug/Kg	☼	90	64 - 127
Benzo[b]fluoranthene	660	J	1820	2150		ug/Kg	☼	82	64 - 135
Benzo[g,h,i]perylene	320	J	1820	2230		ug/Kg	☼	105	50 - 152
Benzo[k]fluoranthene	ND		1820	2000		ug/Kg	☼	110	58 - 138
Chrysene	500	J	1820	2190		ug/Kg	☼	93	64 - 131
Dibenz(a,h)anthracene	ND		1820	1830		ug/Kg	☼	101	54 - 148
Fluoranthene	1100		1820	2940		ug/Kg	☼	103	62 - 131
Fluorene	ND		1820	1580		ug/Kg	☼	87	63 - 126
Hexachlorobenzene	ND		1820	1430		ug/Kg	☼	79	60 - 132
Indeno[1,2,3-cd]pyrene	270	J	1820	2090		ug/Kg	☼	100	56 - 149
Naphthalene	ND		1820	1550		ug/Kg	☼	85	46 - 120
Pentachlorophenol	ND		3640	2450		ug/Kg	☼	67	33 - 136
Phenanthrene	730	J	1820	2440		ug/Kg	☼	94	60 - 130
Phenol	ND		1820	1460		ug/Kg	☼	80	36 - 120
Pyrene	860	J	1820	2580		ug/Kg	☼	95	51 - 133

Surrogate	MS %Recovery	MS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	91		39 - 146
2-Fluorobiphenyl	89		37 - 120
2-Fluorophenol (Surr)	79		18 - 120
Nitrobenzene-d5 (Surr)	81		34 - 132
Phenol-d5 (Surr)	79		11 - 120

TestAmerica Buffalo

QC Sample Results

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

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

Lab Sample ID: 480-104754-22 MS
Matrix: Solid
Analysis Batch: 317601

Client Sample ID: SS-21-081816
Prep Type: Total/NA
Prep Batch: 317409

Surrogate	MS %Recovery	MS Qualifier	Limits
<i>p</i> -Terphenyl-d14 (Surr)	82		65 - 153

Lab Sample ID: 480-104754-22 MSD
Matrix: Solid
Analysis Batch: 317601

Client Sample ID: SS-21-081816
Prep Type: Total/NA
Prep Batch: 317409

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Methylphenol	ND		1830	1450		ug/Kg	☼	79	48 - 120	1	27
4-Methylphenol	ND		1830	1470	J	ug/Kg	☼	80	50 - 119	4	24
Acenaphthene	ND		1830	1680		ug/Kg	☼	92	53 - 120	4	35
Acenaphthylene	ND		1830	1530		ug/Kg	☼	83	58 - 121	1	18
Anthracene	ND		1830	1830		ug/Kg	☼	100	62 - 129	8	15
Benzo[a]anthracene	500	J	1830	2360		ug/Kg	☼	102	65 - 133	10	15
Benzo[a]pyrene	440	J	1830	2220		ug/Kg	☼	97	64 - 127	7	15
Benzo[b]fluoranthene	660	J	1830	2180		ug/Kg	☼	83	64 - 135	1	15
Benzo[g,h,i]perylene	320	J	1830	2060		ug/Kg	☼	95	50 - 152	8	15
Benzo[k]fluoranthene	ND		1830	1990		ug/Kg	☼	109	58 - 138	1	22
Chrysene	500	J	1830	2330		ug/Kg	☼	100	64 - 131	6	15
Dibenz(a,h)anthracene	ND		1830	1660		ug/Kg	☼	91	54 - 148	9	15
Fluoranthene	1100		1830	3100		ug/Kg	☼	111	62 - 131	5	15
Fluorene	ND		1830	1660		ug/Kg	☼	91	63 - 126	5	15
Hexachlorobenzene	ND		1830	1430		ug/Kg	☼	78	60 - 132	0	15
Indeno[1,2,3-cd]pyrene	270	J	1830	2000		ug/Kg	☼	94	56 - 149	4	15
Naphthalene	ND		1830	1470		ug/Kg	☼	80	46 - 120	5	29
Pentachlorophenol	ND		3660	2770		ug/Kg	☼	76	33 - 136	12	35
Phenanthrene	730	J	1830	2520		ug/Kg	☼	98	60 - 130	3	15
Phenol	ND		1830	1450		ug/Kg	☼	79	36 - 120	1	35
Pyrene	860	J	1830	2720		ug/Kg	☼	102	51 - 133	5	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2,4,6-Tribromophenol (Surr)	100		39 - 146
2-Fluorobiphenyl	88		37 - 120
2-Fluorophenol (Surr)	78		18 - 120
Nitrobenzene-d5 (Surr)	78		34 - 132
Phenol-d5 (Surr)	81		11 - 120
<i>p</i> -Terphenyl-d14 (Surr)	82		65 - 153

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-317014/1-A
Matrix: Solid
Analysis Batch: 317446

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 317014

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.6	0.32	ug/Kg		08/22/16 07:09	08/24/16 10:22	1
4,4'-DDE	ND		1.6	0.34	ug/Kg		08/22/16 07:09	08/24/16 10:22	1
4,4'-DDT	ND		1.6	0.38	ug/Kg		08/22/16 07:09	08/24/16 10:22	1

TestAmerica Buffalo

QC Sample Results

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 480-317014/1-A
Matrix: Solid
Analysis Batch: 317446

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 317014

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.6	0.40	ug/Kg		08/22/16 07:09	08/24/16 10:22	1
alpha-BHC	ND		1.6	0.30	ug/Kg		08/22/16 07:09	08/24/16 10:22	1
alpha-Chlordane	ND		1.6	0.82	ug/Kg		08/22/16 07:09	08/24/16 10:22	1
beta-BHC	ND		1.6	0.30	ug/Kg		08/22/16 07:09	08/24/16 10:22	1
delta-BHC	ND		1.6	0.31	ug/Kg		08/22/16 07:09	08/24/16 10:22	1
Dieldrin	ND		1.6	0.39	ug/Kg		08/22/16 07:09	08/24/16 10:22	1
Endosulfan I	ND		1.6	0.32	ug/Kg		08/22/16 07:09	08/24/16 10:22	1
Endosulfan II	ND		1.6	0.30	ug/Kg		08/22/16 07:09	08/24/16 10:22	1
Endosulfan sulfate	ND		1.6	0.31	ug/Kg		08/22/16 07:09	08/24/16 10:22	1
Endrin	ND		1.6	0.33	ug/Kg		08/22/16 07:09	08/24/16 10:22	1
Endrin aldehyde	ND		1.6	0.42	ug/Kg		08/22/16 07:09	08/24/16 10:22	1
Endrin ketone	ND		1.6	0.40	ug/Kg		08/22/16 07:09	08/24/16 10:22	1
gamma-BHC (Lindane)	ND		1.6	0.30	ug/Kg		08/22/16 07:09	08/24/16 10:22	1
gamma-Chlordane	ND		1.6	0.52	ug/Kg		08/22/16 07:09	08/24/16 10:22	1
Heptachlor	ND		1.6	0.36	ug/Kg		08/22/16 07:09	08/24/16 10:22	1
Heptachlor epoxide	ND		1.6	0.42	ug/Kg		08/22/16 07:09	08/24/16 10:22	1
Methoxychlor	ND		1.6	0.33	ug/Kg		08/22/16 07:09	08/24/16 10:22	1
Toxaphene	ND		16	9.6	ug/Kg		08/22/16 07:09	08/24/16 10:22	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	67		45 - 120	08/22/16 07:09	08/24/16 10:22	1
Tetrachloro-m-xylene	52		30 - 124	08/22/16 07:09	08/24/16 10:22	1

Lab Sample ID: LCS 480-317014/2-A
Matrix: Solid
Analysis Batch: 317446

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 317014

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
4,4'-DDD	16.3	11.8		ug/Kg		73	56 - 120
4,4'-DDE	16.3	9.93		ug/Kg		61	44 - 120
4,4'-DDT	16.3	10.9		ug/Kg		67	38 - 120
Aldrin	16.3	7.63		ug/Kg		47	38 - 120
alpha-BHC	16.3	8.13		ug/Kg		50	39 - 120
alpha-Chlordane	16.3	9.49		ug/Kg		58	47 - 120
beta-BHC	16.3	9.38		ug/Kg		58	40 - 120
delta-BHC	16.3	9.37		ug/Kg		58	45 - 120
Dieldrin	16.3	10.1		ug/Kg		62	58 - 120
Endosulfan I	16.3	9.75		ug/Kg		60	49 - 120
Endosulfan II	16.3	10.6		ug/Kg		65	55 - 120
Endosulfan sulfate	16.3	9.21		ug/Kg		57	49 - 124
Endrin	16.3	10.6		ug/Kg		65	58 - 120
Endrin aldehyde	16.3	10.8		ug/Kg		66	37 - 121
Endrin ketone	16.3	10.8		ug/Kg		67	46 - 123
gamma-BHC (Lindane)	16.3	8.83		ug/Kg		54	50 - 120
gamma-Chlordane	16.3	9.33		ug/Kg		57	48 - 120
Heptachlor	16.3	8.99		ug/Kg		55	50 - 120
Heptachlor epoxide	16.3	10.1		ug/Kg		62	50 - 120
Methoxychlor	16.3	12.0		ug/Kg		74	58 - 133

TestAmerica Buffalo

QC Sample Results

Client: GHD Services Inc.
 Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Surrogate	LCS		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl	72		45 - 120
Tetrachloro-m-xylene	55		30 - 124

Lab Sample ID: 480-104754-2 MS
Matrix: Solid
Analysis Batch: 317446

Client Sample ID: SS-2-081716
Prep Type: Total/NA
Prep Batch: 317014

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	Limits
	Result	Qualifier		Result	Qualifier				
4,4'-DDD	ND		18.0	12.3		ug/Kg	☼	69	37 - 126
4,4'-DDE	1.5	J	18.0	12.4		ug/Kg	☼	61	34 - 120
4,4'-DDT	4.8		18.0	14.7		ug/Kg	☼	55	43 - 123
Aldrin	ND		18.0	11.4		ug/Kg	☼	64	37 - 125
alpha-BHC	ND		18.0	10.1		ug/Kg	☼	56	39 - 120
alpha-Chlordane	ND		18.0	10.6		ug/Kg	☼	59	35 - 120
beta-BHC	ND		18.0	9.71		ug/Kg	☼	54	36 - 120
delta-BHC	ND		18.0	9.64		ug/Kg	☼	54	34 - 120
Dieldrin	3.5	J	18.0	14.5		ug/Kg	☼	61	45 - 120
Endosulfan I	ND		18.0	10.6		ug/Kg	☼	59	39 - 120
Endosulfan II	ND		18.0	12.6		ug/Kg	☼	70	34 - 126
Endosulfan sulfate	ND		18.0	10.9		ug/Kg	☼	61	27 - 130
Endrin	ND		18.0	11.9		ug/Kg	☼	66	47 - 121
Endrin aldehyde	ND		18.0	14.0		ug/Kg	☼	78	33 - 123
Endrin ketone	ND		18.0	13.7		ug/Kg	☼	76	43 - 126
gamma-BHC (Lindane)	ND	*	18.0	11.0		ug/Kg	☼	61	50 - 120
gamma-Chlordane	ND		18.0	10.1		ug/Kg	☼	56	31 - 120
Heptachlor	ND		18.0	10.4		ug/Kg	☼	57	42 - 120
Heptachlor epoxide	ND		18.0	11.7		ug/Kg	☼	65	40 - 120
Methoxychlor	ND	F2	18.0	15.9		ug/Kg	☼	88	44 - 150

Surrogate	MS		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl	143	X	45 - 120
Tetrachloro-m-xylene	63		30 - 124

Lab Sample ID: 480-104754-2 MSD
Matrix: Solid
Analysis Batch: 317446

Client Sample ID: SS-2-081716
Prep Type: Total/NA
Prep Batch: 317014

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	Limits	RPD	Limit
	Result	Qualifier		Result	Qualifier						
4,4'-DDD	ND	F2	18.4	12.5	F2	ug/Kg	☼	68	37 - 126	22	21
4,4'-DDE	2.2	J F2	18.4	12.9	F2	ug/Kg	☼	58	34 - 120	24	18
4,4'-DDT	2.1	J	18.4	14.3		ug/Kg	☼	66	43 - 123	6	25
Aldrin	ND	F2	18.4	12.1	F2	ug/Kg	☼	66	37 - 125	21	12
alpha-BHC	ND		18.4	10.7		ug/Kg	☼	58	39 - 120	4	15
alpha-Chlordane	ND	F2	18.4	11.1	F2	ug/Kg	☼	60	35 - 120	28	23
beta-BHC	ND	F2	18.4	10.2	F2	ug/Kg	☼	55	36 - 120	25	19
delta-BHC	ND		18.4	10.4		ug/Kg	☼	57	34 - 120	6	14
Dieldrin	3.5	J	18.4	15.5		ug/Kg	☼	65	45 - 120	7	12
Endosulfan I	ND		18.4	11.2		ug/Kg	☼	61	39 - 120	7	18
Endosulfan II	ND	F2	18.4	13.2	F2	ug/Kg	☼	72	34 - 126	32	26
Endosulfan sulfate	ND		18.4	11.8		ug/Kg	☼	64	27 - 130	16	35
Endrin	ND		18.4	12.5		ug/Kg	☼	68	47 - 121	19	20
Endrin aldehyde	ND		18.4	13.7		ug/Kg	☼	74	33 - 123	34	47
Endrin ketone	ND		18.4	13.4		ug/Kg	☼	73	43 - 126	17	37

TestAmerica Buffalo

QC Sample Results

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 480-104754-2 MSD

Matrix: Solid

Analysis Batch: 317446

Client Sample ID: SS-2-081716

Prep Type: Total/NA

Prep Batch: 317014

Analyte	Sample	Sample	Spike	MSD		Unit	D	%Rec	Limits	RPD	Limit
	Result	Qualifier		Result	Qualifier						
gamma-BHC (Lindane)	ND	F2	18.4	11.6	F2	ug/Kg	☼	63	50 - 120	16	12
gamma-Chlordane	ND	F2	18.4	10.7	F2	ug/Kg	☼	58	31 - 120	17	15
Heptachlor	ND		18.4	11.3		ug/Kg	☼	61	42 - 120	5	22
Heptachlor epoxide	ND	F2	18.4	12.6	F2	ug/Kg	☼	69	40 - 120	28	15
Methoxychlor	ND	F2	18.4	15.4	F2	ug/Kg	☼	83	44 - 150	43	24

Surrogate	MSD		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl	130	X	45 - 120
Tetrachloro-m-xylene	65		30 - 124

Lab Sample ID: MB 480-317406/1-A

Matrix: Solid

Analysis Batch: 317635

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 317406

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
4,4'-DDD	ND		1.6	0.32	ug/Kg		08/24/16 06:26	08/25/16 12:51	1
4,4'-DDE	ND		1.6	0.34	ug/Kg		08/24/16 06:26	08/25/16 12:51	1
4,4'-DDT	ND		1.6	0.38	ug/Kg		08/24/16 06:26	08/25/16 12:51	1
Aldrin	ND		1.6	0.40	ug/Kg		08/24/16 06:26	08/25/16 12:51	1
alpha-BHC	ND		1.6	0.29	ug/Kg		08/24/16 06:26	08/25/16 12:51	1
alpha-Chlordane	ND		1.6	0.81	ug/Kg		08/24/16 06:26	08/25/16 12:51	1
beta-BHC	ND		1.6	0.29	ug/Kg		08/24/16 06:26	08/25/16 12:51	1
delta-BHC	ND		1.6	0.30	ug/Kg		08/24/16 06:26	08/25/16 12:51	1
Dieldrin	ND		1.6	0.39	ug/Kg		08/24/16 06:26	08/25/16 12:51	1
Endosulfan I	ND		1.6	0.31	ug/Kg		08/24/16 06:26	08/25/16 12:51	1
Endosulfan II	ND		1.6	0.29	ug/Kg		08/24/16 06:26	08/25/16 12:51	1
Endosulfan sulfate	ND		1.6	0.30	ug/Kg		08/24/16 06:26	08/25/16 12:51	1
Endrin	ND		1.6	0.32	ug/Kg		08/24/16 06:26	08/25/16 12:51	1
Endrin aldehyde	ND		1.6	0.41	ug/Kg		08/24/16 06:26	08/25/16 12:51	1
Endrin ketone	ND		1.6	0.40	ug/Kg		08/24/16 06:26	08/25/16 12:51	1
gamma-BHC (Lindane)	ND		1.6	0.30	ug/Kg		08/24/16 06:26	08/25/16 12:51	1
gamma-Chlordane	ND		1.6	0.52	ug/Kg		08/24/16 06:26	08/25/16 12:51	1
Heptachlor	ND		1.6	0.35	ug/Kg		08/24/16 06:26	08/25/16 12:51	1
Heptachlor epoxide	ND		1.6	0.42	ug/Kg		08/24/16 06:26	08/25/16 12:51	1
Methoxychlor	ND		1.6	0.33	ug/Kg		08/24/16 06:26	08/25/16 12:51	1
Toxaphene	ND		16	9.4	ug/Kg		08/24/16 06:26	08/25/16 12:51	1

Surrogate	MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
DCB Decachlorobiphenyl	77		45 - 120	08/24/16 06:26	08/25/16 12:51	1
Tetrachloro-m-xylene	63		30 - 124	08/24/16 06:26	08/25/16 12:51	1

Lab Sample ID: LCS 480-317406/2-A

Matrix: Solid

Analysis Batch: 317635

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 317406

Analyte	Spike	LCS		Unit	D	%Rec	Limits
		Result	Qualifier				
4,4'-DDD	16.6	11.0		ug/Kg		66	56 - 120
4,4'-DDE	16.6	10.0		ug/Kg		60	44 - 120

TestAmerica Buffalo

QC Sample Results

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 480-317406/2-A
Matrix: Solid
Analysis Batch: 317635

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 317406

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
4,4'-DDT	16.6	9.88		ug/Kg		59	38 - 120
Aldrin	16.6	9.61		ug/Kg		58	38 - 120
alpha-BHC	16.6	7.92		ug/Kg		48	39 - 120
alpha-Chlordane	16.6	8.99		ug/Kg		54	47 - 120
beta-BHC	16.6	9.12		ug/Kg		55	40 - 120
delta-BHC	16.6	9.70		ug/Kg		58	45 - 120
Dieldrin	16.6	11.6		ug/Kg		70	58 - 120
Endosulfan I	16.6	10.8		ug/Kg		65	49 - 120
Endosulfan II	16.6	10.9		ug/Kg		66	55 - 120
Endosulfan sulfate	16.6	12.9		ug/Kg		77	49 - 124
Endrin	16.6	11.5		ug/Kg		69	58 - 120
Endrin aldehyde	16.6	10.2		ug/Kg		62	37 - 121
Endrin ketone	16.6	12.2		ug/Kg		73	46 - 123
gamma-BHC (Lindane)	16.6	9.23		ug/Kg		56	50 - 120
gamma-Chlordane	16.6	9.28		ug/Kg		56	48 - 120
Heptachlor	16.6	10.5		ug/Kg		63	50 - 120
Heptachlor epoxide	16.6	10.5		ug/Kg		63	50 - 120
Methoxychlor	16.6	11.9		ug/Kg		72	58 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	62		45 - 120
Tetrachloro-m-xylene	61		30 - 124

Lab Sample ID: 480-104754-22 MS
Matrix: Solid
Analysis Batch: 317635

Client Sample ID: SS-21-081816
Prep Type: Total/NA
Prep Batch: 317406

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
4,4'-DDD	ND		18.4	14.3	J	ug/Kg	☼	78	37 - 126
4,4'-DDE	ND		18.4	12.2	J	ug/Kg	☼	66	34 - 120
4,4'-DDT	ND		18.4	12.9	J	ug/Kg	☼	70	43 - 123
Aldrin	ND		18.4	13.1	J	ug/Kg	☼	71	37 - 125
alpha-BHC	4.0	J	18.4	12.4	J	ug/Kg	☼	46	39 - 120
alpha-Chlordane	ND		18.4	11.3	J	ug/Kg	☼	61	35 - 120
beta-BHC	ND		18.4	15.4	J	ug/Kg	☼	83	36 - 120
delta-BHC	ND		18.4	13.1	J	ug/Kg	☼	71	34 - 120
Dieldrin	ND		18.4	14.5	J	ug/Kg	☼	79	45 - 120
Endosulfan I	ND		18.4	11.2	J	ug/Kg	☼	61	39 - 120
Endosulfan II	ND		18.4	11.7	J	ug/Kg	☼	63	34 - 126
Endosulfan sulfate	ND		18.4	14.7	J	ug/Kg	☼	80	27 - 130
Endrin	ND		18.4	12.9	J	ug/Kg	☼	70	47 - 121
Endrin aldehyde	ND		18.4	9.99	J	ug/Kg	☼	54	33 - 123
Endrin ketone	ND	F2 F1	18.4	62.6	F1	ug/Kg	☼	339	43 - 126
gamma-BHC (Lindane)	ND		18.4	13.6	J	ug/Kg	☼	74	50 - 120
gamma-Chlordane	ND		18.4	10.7	J	ug/Kg	☼	58	31 - 120
Heptachlor	ND		18.4	11.7	J	ug/Kg	☼	63	42 - 120
Heptachlor epoxide	ND		18.4	11.3	J	ug/Kg	☼	61	40 - 120
Methoxychlor	ND		18.4	11.8	J	ug/Kg	☼	64	44 - 150

TestAmerica Buffalo

QC Sample Results

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl	59		45 - 120
Tetrachloro-m-xylene	109		30 - 124

Lab Sample ID: 480-104754-22 MSD
Matrix: Solid
Analysis Batch: 317635

Client Sample ID: SS-21-081816
Prep Type: Total/NA
Prep Batch: 317406

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD	ND		18.2	13.8	J	ug/Kg	☼	76	37 - 126	4	21
4,4'-DDE	ND		18.2	11.1	J	ug/Kg	☼	61	34 - 120	9	18
4,4'-DDT	ND		18.2	11.9	J	ug/Kg	☼	66	43 - 123	7	25
Aldrin	ND		18.2	12.5	J	ug/Kg	☼	69	37 - 125	4	12
alpha-BHC	4.0	J	18.2	11.9	J	ug/Kg	☼	43	39 - 120	4	15
alpha-Chlordane	ND		18.2	11.7	J	ug/Kg	☼	65	35 - 120	4	23
beta-BHC	ND		18.2	15.5	J	ug/Kg	☼	85	36 - 120	1	19
delta-BHC	ND		18.2	13.9	J	ug/Kg	☼	76	34 - 120	6	14
Dieldrin	ND		18.2	14.3	J	ug/Kg	☼	79	45 - 120	1	12
Endosulfan I	ND		18.2	11.7	J	ug/Kg	☼	65	39 - 120	5	18
Endosulfan II	ND		18.2	11.2	J	ug/Kg	☼	62	34 - 126	4	26
Endosulfan sulfate	ND		18.2	10.8	J	ug/Kg	☼	60	27 - 130	30	35
Endrin	ND		18.2	12.3	J	ug/Kg	☼	68	47 - 121	5	20
Endrin aldehyde	ND		18.2	8.82	J	ug/Kg	☼	49	33 - 123	13	47
Endrin ketone	ND	F2 F1	18.2	15.6	J F2	ug/Kg	☼	86	43 - 126	120	37
gamma-BHC (Lindane)	ND		18.2	13.2	J	ug/Kg	☼	73	50 - 120	3	12
gamma-Chlordane	ND		18.2	11.0	J	ug/Kg	☼	61	31 - 120	3	15
Heptachlor	ND		18.2	11.6	J	ug/Kg	☼	64	42 - 120	1	22
Heptachlor epoxide	ND		18.2	11.8	J	ug/Kg	☼	65	40 - 120	4	15
Methoxychlor	ND		18.2	9.29	J	ug/Kg	☼	51	44 - 150	24	24

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl	74		45 - 120
Tetrachloro-m-xylene	121		30 - 124

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

Lab Sample ID: MB 480-317115/1-A
Matrix: Solid
Analysis Batch: 317189

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 317115

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.23	0.044	mg/Kg		08/22/16 11:18	08/22/16 20:22	1
PCB-1221	ND		0.23	0.044	mg/Kg		08/22/16 11:18	08/22/16 20:22	1
PCB-1232	ND		0.23	0.044	mg/Kg		08/22/16 11:18	08/22/16 20:22	1
PCB-1242	ND		0.23	0.044	mg/Kg		08/22/16 11:18	08/22/16 20:22	1
PCB-1248	ND		0.23	0.044	mg/Kg		08/22/16 11:18	08/22/16 20:22	1
PCB-1254	ND		0.23	0.11	mg/Kg		08/22/16 11:18	08/22/16 20:22	1
PCB-1260	ND		0.23	0.11	mg/Kg		08/22/16 11:18	08/22/16 20:22	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	110		65 - 174	08/22/16 11:18	08/22/16 20:22	1
Tetrachloro-m-xylene	115		60 - 154	08/22/16 11:18	08/22/16 20:22	1

TestAmerica Buffalo

QC Sample Results

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

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

Lab Sample ID: LCS 480-317115/2-A
Matrix: Solid
Analysis Batch: 317189

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 317115

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
PCB-1016	2.02	1.90		mg/Kg		94	51 - 185
PCB-1260	2.02	2.13		mg/Kg		106	61 - 184

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	88		65 - 174
Tetrachloro-m-xylene	104		60 - 154

Lab Sample ID: 480-104754-2 MS
Matrix: Solid
Analysis Batch: 317189

Client Sample ID: SS-2-081716
Prep Type: Total/NA
Prep Batch: 317115

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
PCB-1016	ND		2.61	2.64		mg/Kg	☼	101	50 - 177
PCB-1260	ND		2.61	2.90		mg/Kg	☼	111	33 - 200

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl	94		65 - 174
Tetrachloro-m-xylene	108		60 - 154

Lab Sample ID: 480-104754-2 MSD
Matrix: Solid
Analysis Batch: 317189

Client Sample ID: SS-2-081716
Prep Type: Total/NA
Prep Batch: 317115

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	RPD Limit
PCB-1016	ND		2.55	2.40		mg/Kg	☼	94	50 - 177	9	50
PCB-1260	ND		2.55	2.78		mg/Kg	☼	109	33 - 200	4	50

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl	95		65 - 174
Tetrachloro-m-xylene	104		60 - 154

Lab Sample ID: MB 480-317236/1-A
Matrix: Solid
Analysis Batch: 317359

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 317236

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.23	0.045	mg/Kg		08/23/16 07:23	08/23/16 19:20	1
PCB-1221	ND		0.23	0.045	mg/Kg		08/23/16 07:23	08/23/16 19:20	1
PCB-1232	ND		0.23	0.045	mg/Kg		08/23/16 07:23	08/23/16 19:20	1
PCB-1242	ND		0.23	0.045	mg/Kg		08/23/16 07:23	08/23/16 19:20	1
PCB-1248	ND		0.23	0.045	mg/Kg		08/23/16 07:23	08/23/16 19:20	1
PCB-1254	ND		0.23	0.11	mg/Kg		08/23/16 07:23	08/23/16 19:20	1
PCB-1260	ND		0.23	0.11	mg/Kg		08/23/16 07:23	08/23/16 19:20	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	152		65 - 174	08/23/16 07:23	08/23/16 19:20	1
Tetrachloro-m-xylene	138		60 - 154	08/23/16 07:23	08/23/16 19:20	1

TestAmerica Buffalo

QC Sample Results

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Lab Sample ID: LCS 480-317236/2-A
Matrix: Solid
Analysis Batch: 317359

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 317236

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
PCB-1016	1.96	2.54		mg/Kg		129	51 - 185
PCB-1260	1.96	2.48		mg/Kg		127	61 - 184

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	154		65 - 174
Tetrachloro-m-xylene	141		60 - 154

Lab Sample ID: 480-104754-22 MS
Matrix: Solid
Analysis Batch: 317359

Client Sample ID: SS-21-081816
Prep Type: Total/NA
Prep Batch: 317236

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
PCB-1016	ND		2.59	3.39		mg/Kg	☼	131	50 - 177
PCB-1260	ND		2.59	3.24		mg/Kg	☼	125	33 - 200

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl	146		65 - 174
Tetrachloro-m-xylene	140		60 - 154

Lab Sample ID: 480-104754-22 MSD
Matrix: Solid
Analysis Batch: 317359

Client Sample ID: SS-21-081816
Prep Type: Total/NA
Prep Batch: 317236

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
PCB-1016	ND		2.57	2.90		mg/Kg	☼	113	50 - 177	15	50
PCB-1260	ND		2.57	3.15		mg/Kg	☼	123	33 - 200	3	50

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl	169		65 - 174
Tetrachloro-m-xylene	89		60 - 154

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-316854/1-A
Matrix: Solid
Analysis Batch: 317229

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 316854

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		15.6	0.42	mg/Kg		08/19/16 12:47	08/23/16 03:24	1
Arsenic	ND		2.1	0.42	mg/Kg		08/19/16 12:47	08/23/16 03:24	1
Beryllium	ND		0.21	0.029	mg/Kg		08/19/16 12:47	08/23/16 03:24	1
Cadmium	ND		0.21	0.031	mg/Kg		08/19/16 12:47	08/23/16 03:24	1
Chromium	ND		0.52	0.21	mg/Kg		08/19/16 12:47	08/23/16 03:24	1
Copper	ND		1.0	0.22	mg/Kg		08/19/16 12:47	08/23/16 03:24	1
Lead	ND		1.0	0.25	mg/Kg		08/19/16 12:47	08/23/16 03:24	1
Nickel	ND		5.2	0.24	mg/Kg		08/19/16 12:47	08/23/16 03:24	1
Selenium	ND		4.2	0.42	mg/Kg		08/19/16 12:47	08/23/16 03:24	1
Silver	ND		0.62	0.21	mg/Kg		08/19/16 12:47	08/23/16 03:24	1
Thallium	ND		6.2	0.31	mg/Kg		08/19/16 12:47	08/23/16 03:24	1

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QC Sample Results

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 480-316854/1-A
Matrix: Solid
Analysis Batch: 317229

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 316854

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	0.773	J	2.1	0.67	mg/Kg		08/19/16 12:47	08/23/16 03:24	1

Lab Sample ID: LCSSRM 480-316854/2-A
Matrix: Solid
Analysis Batch: 317229

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 316854

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	105	59.57		mg/Kg		56.7	19.6 - 254.3
Arsenic	221	192.2		mg/Kg		87.0	71.0 - 133.5
Beryllium	112	99.64		mg/Kg		89.0	75.0 - 125.0
Cadmium	126	105.4		mg/Kg		83.7	73.3 - 126.2
Chromium	74.7	67.92		mg/Kg		90.9	68.5 - 131.3
Copper	83.3	77.10		mg/Kg		92.6	73.8 - 130.9
Lead	76.9	80.15		mg/Kg		104.2	68.8 - 131.3
Nickel	178	183.4		mg/Kg		103.0	73.6 - 128.7
Selenium	111	94.43		mg/Kg		85.1	65.7 - 134.2
Silver	59.6	51.86		mg/Kg		87.0	66.8 - 133.1
Thallium	151	148.4		mg/Kg		98.3	68.2 - 131.1
Zinc	338	297.4		mg/Kg		88.0	71.9 - 127.8

Lab Sample ID: 480-104754-2 MS
Matrix: Solid
Analysis Batch: 317229

Client Sample ID: SS-2-081716
Prep Type: Total/NA
Prep Batch: 316854

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	ND	F1 F2	46.4	22.41	F1	mg/Kg	☼	48	75 - 125
Arsenic	10.0		46.4	48.84		mg/Kg	☼	84	75 - 125
Beryllium	0.54		46.4	39.66		mg/Kg	☼	84	75 - 125
Cadmium	0.96		46.4	39.36		mg/Kg	☼	83	75 - 125
Chromium	15.1		46.4	59.25		mg/Kg	☼	95	75 - 125
Copper	34.3		46.4	73.23		mg/Kg	☼	84	75 - 125
Lead	99.8		46.4	150.5		mg/Kg	☼	109	75 - 125
Nickel	18.9		46.4	64.14		mg/Kg	☼	98	75 - 125
Selenium	ND		46.4	37.29		mg/Kg	☼	80	75 - 125
Silver	0.31	J	11.6	10.75		mg/Kg	☼	90	75 - 125
Thallium	ND		46.4	43.49		mg/Kg	☼	94	75 - 125
Zinc	287	B	46.4	302.8	4	mg/Kg	☼	34	75 - 125

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QC Sample Results

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 480-104754-2 MSD

Matrix: Solid
Analysis Batch: 317229

Client Sample ID: SS-2-081716

Prep Type: Total/NA
Prep Batch: 316854

Analyte	Sample		Spike Added	MSD		Unit	D	%Rec	Limits	RPD	RPD Limit
	Result	Qualifier		Result	Qualifier						
Antimony	ND	F1 F2	42.8	18.03	F1 F2	mg/Kg	☼	42	75 - 125	22	20
Arsenic	10.0		42.8	45.44		mg/Kg	☼	83	75 - 125	7	20
Beryllium	0.54		42.8	35.42		mg/Kg	☼	82	75 - 125	11	20
Cadmium	0.96		42.8	34.70		mg/Kg	☼	79	75 - 125	13	20
Chromium	15.1		42.8	55.65		mg/Kg	☼	95	75 - 125	6	20
Copper	34.3		42.8	68.95		mg/Kg	☼	81	75 - 125	6	20
Lead	99.8		42.8	145.5		mg/Kg	☼	107	75 - 125	3	20
Nickel	18.9		42.8	63.98		mg/Kg	☼	106	75 - 125	0	20
Selenium	ND		42.8	32.91		mg/Kg	☼	77	75 - 125	12	20
Silver	0.31	J	10.7	9.53		mg/Kg	☼	86	75 - 125	12	20
Thallium	ND		42.8	39.20		mg/Kg	☼	92	75 - 125	10	20
Zinc	287	B	42.8	310.9	4	mg/Kg	☼	56	75 - 125	3	20

Lab Sample ID: MB 480-316858/1-A

Matrix: Solid
Analysis Batch: 317229

Client Sample ID: Method Blank

Prep Type: Total/NA
Prep Batch: 316858

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Antimony	ND		15.1	0.40	mg/Kg		08/19/16 12:47	08/23/16 01:38	1
Arsenic	ND		2.0	0.40	mg/Kg		08/19/16 12:47	08/23/16 01:38	1
Beryllium	ND		0.20	0.028	mg/Kg		08/19/16 12:47	08/23/16 01:38	1
Cadmium	ND		0.20	0.030	mg/Kg		08/19/16 12:47	08/23/16 01:38	1
Chromium	ND		0.50	0.20	mg/Kg		08/19/16 12:47	08/23/16 01:38	1
Copper	ND		1.0	0.21	mg/Kg		08/19/16 12:47	08/23/16 01:38	1
Lead	ND		1.0	0.24	mg/Kg		08/19/16 12:47	08/23/16 01:38	1
Nickel	ND		5.0	0.23	mg/Kg		08/19/16 12:47	08/23/16 01:38	1
Selenium	ND		4.0	0.40	mg/Kg		08/19/16 12:47	08/23/16 01:38	1
Silver	ND		0.60	0.20	mg/Kg		08/19/16 12:47	08/23/16 01:38	1
Thallium	ND		6.0	0.30	mg/Kg		08/19/16 12:47	08/23/16 01:38	1
Zinc	ND		2.0	0.65	mg/Kg		08/19/16 12:47	08/23/16 01:38	1

Lab Sample ID: LCSSRM 480-316858/2-A

Matrix: Solid
Analysis Batch: 317229

Client Sample ID: Lab Control Sample

Prep Type: Total/NA
Prep Batch: 316858

Analyte	Spike Added	LCSSRM		Unit	D	%Rec	Limits
		Result	Qualifier				
Antimony	105	60.75		mg/Kg		57.9	19.6 - 254.3
Arsenic	221	195.2		mg/Kg		88.3	71.0 - 133.5
Beryllium	112	100.9		mg/Kg		90.1	75.0 - 125.0
Cadmium	126	107.1		mg/Kg		85.0	73.3 - 126.2
Chromium	74.7	69.90		mg/Kg		93.6	68.5 - 131.3
Copper	83.3	76.94		mg/Kg		92.4	73.8 - 130.9
Lead	76.9	80.35		mg/Kg		104.5	68.8 - 131.3

TestAmerica Buffalo

QC Sample Results

Client: GHD Services Inc.
 Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCSSRM 480-316858/2-A
Matrix: Solid
Analysis Batch: 317229

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 316858

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Nickel	178	184.9		mg/Kg		103.9	73.6 - 128.7
Selenium	111	97.52		mg/Kg		87.9	65.7 - 134.2
Silver	59.6	53.28		mg/Kg		89.4	66.8 - 133.1
Thallium	151	153.2		mg/Kg		101.4	68.2 - 131.1
Zinc	338	306.5		mg/Kg		90.7	71.9 - 127.8

Lab Sample ID: 480-104754-22 MS
Matrix: Solid
Analysis Batch: 317229

Client Sample ID: SS-21-081816
Prep Type: Total/NA
Prep Batch: 316858

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	ND	F1	42.5	14.46	J F1	mg/Kg	☼	34	75 - 125
Arsenic	4.6		42.5	39.79		mg/Kg	☼	83	75 - 125
Beryllium	0.72		42.5	36.29		mg/Kg	☼	84	75 - 125
Cadmium	0.41		42.5	34.90		mg/Kg	☼	81	75 - 125
Chromium	27.1		42.5	67.50		mg/Kg	☼	95	75 - 125
Copper	22.4		42.5	60.88		mg/Kg	☼	90	75 - 125
Lead	41.6	F1	42.5	101.1	F1	mg/Kg	☼	140	75 - 125
Nickel	29.2		42.5	67.73		mg/Kg	☼	91	75 - 125
Selenium	ND		42.5	33.74		mg/Kg	☼	79	75 - 125
Silver	0.29	J	10.6	9.61		mg/Kg	☼	88	75 - 125
Thallium	ND		42.5	38.89		mg/Kg	☼	91	75 - 125
Zinc	118	F1	42.5	181.1	F1	mg/Kg	☼	148	75 - 125

Lab Sample ID: 480-104754-22 MSD
Matrix: Solid
Analysis Batch: 317229

Client Sample ID: SS-21-081816
Prep Type: Total/NA
Prep Batch: 316858

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	ND	F1	44.0	14.80	J F1	mg/Kg	☼	34	75 - 125	2	20
Arsenic	4.6		44.0	44.08		mg/Kg	☼	90	75 - 125	10	20
Beryllium	0.72		44.0	38.27		mg/Kg	☼	85	75 - 125	5	20
Cadmium	0.41		44.0	36.30		mg/Kg	☼	82	75 - 125	4	20
Chromium	27.1		44.0	70.53		mg/Kg	☼	99	75 - 125	4	20
Copper	22.4		44.0	63.98		mg/Kg	☼	94	75 - 125	5	20
Lead	41.6	F1	44.0	91.51		mg/Kg	☼	113	75 - 125	10	20
Nickel	29.2		44.0	71.68		mg/Kg	☼	97	75 - 125	6	20
Selenium	ND		44.0	36.25		mg/Kg	☼	82	75 - 125	7	20
Silver	0.29	J	11.0	9.94		mg/Kg	☼	88	75 - 125	3	20
Thallium	ND		44.0	41.87		mg/Kg	☼	95	75 - 125	7	20
Zinc	118	F1	44.0	181.1	F1	mg/Kg	☼	143	75 - 125	0	20

TestAmerica Buffalo

QC Sample Results

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 480-316848/1-A
Matrix: Solid
Analysis Batch: 316951

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 316848

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.020	0.0080	mg/Kg		08/19/16 12:00	08/19/16 15:20	1

Lab Sample ID: LCSSRM 480-316848/2-A ^5
Matrix: Solid
Analysis Batch: 316951

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 316848

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	Limits
Mercury	7.10	6.52		mg/Kg		91.9	51.3 - 149.3

Lab Sample ID: 480-104754-2 MS
Matrix: Solid
Analysis Batch: 316951

Client Sample ID: SS-2-081716
Prep Type: Total/NA
Prep Batch: 316848

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Mercury	0.059	F1	0.340	0.298	F1	mg/Kg	☼	70	80 - 120

Lab Sample ID: 480-104754-2 MSD
Matrix: Solid
Analysis Batch: 316951

Client Sample ID: SS-2-081716
Prep Type: Total/NA
Prep Batch: 316848

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	0.059	F1	0.342	0.294	F1	mg/Kg	☼	68	80 - 120	2	20

Lab Sample ID: MB 480-316849/1-A
Matrix: Solid
Analysis Batch: 316951

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 316849

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.019	0.0079	mg/Kg		08/19/16 12:00	08/19/16 16:08	1

Lab Sample ID: LCDSRM 480-316849/19-A ^5
Matrix: Solid
Analysis Batch: 316951

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 316849

Analyte	Spike Added	LCDSRM Result	LCDSRM Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	7.10	6.42		mg/Kg		90.4	51.3 - 149.3	7	20

Lab Sample ID: LCSSRM 480-316849/2-A ^5
Matrix: Solid
Analysis Batch: 316951

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 316849

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	Limits
Mercury	7.10	6.85		mg/Kg		96.5	51.3 - 149.3

TestAmerica Buffalo

QC Sample Results

Client: GHD Services Inc.
 Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Method: 7471B - Mercury (CVAA) (Continued)

Lab Sample ID: 480-104754-20 MS

Matrix: Solid
Analysis Batch: 316951

Client Sample ID: SS-19-081816

Prep Type: Total/NA
Prep Batch: 316849

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Mercury	0.084	F1 F2	0.342	0.419		mg/Kg	☼	98	80 - 120

Lab Sample ID: 480-104754-20 MSD

Matrix: Solid
Analysis Batch: 316951

Client Sample ID: SS-19-081816

Prep Type: Total/NA
Prep Batch: 316849

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	0.084	F1 F2	0.350	0.336	F1 F2	mg/Kg	☼	72	80 - 120	22	20

Lab Sample ID: 480-104754-22 MS

Matrix: Solid
Analysis Batch: 316951

Client Sample ID: SS-21-081816

Prep Type: Total/NA
Prep Batch: 316849

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Mercury	0.087	F1	0.371	0.324	F1	mg/Kg	☼	64	80 - 120

Lab Sample ID: 480-104754-22 MSD

Matrix: Solid
Analysis Batch: 316951

Client Sample ID: SS-21-081816

Prep Type: Total/NA
Prep Batch: 316849

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	0.087	F1	0.382	0.325	F1	mg/Kg	☼	62	80 - 120	0	20

QC Association Summary

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

GC/MS Semi VOA

Prep Batch: 317219

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-104754-1	SS-1-081716	Total/NA	Solid	3550C	
480-104754-2	SS-2-081716	Total/NA	Solid	3550C	
480-104754-3	SS-3-081716	Total/NA	Solid	3550C	
480-104754-4	SS-DUP1-081716	Total/NA	Solid	3550C	
480-104754-5	SS-4-081716	Total/NA	Solid	3550C	
480-104754-6	SS-5-081716	Total/NA	Solid	3550C	
480-104754-7	SS-6-081716	Total/NA	Solid	3550C	
480-104754-8	SS-7-081716	Total/NA	Solid	3550C	
480-104754-9	SS-8-081716	Total/NA	Solid	3550C	
480-104754-10	SS-9-081716	Total/NA	Solid	3550C	
480-104754-11	SS-10-081716	Total/NA	Solid	3550C	
480-104754-12	SS-11-081716	Total/NA	Solid	3550C	
480-104754-13	SS-12-081716	Total/NA	Solid	3550C	
480-104754-14	SS-13-081716	Total/NA	Solid	3550C	
MB 480-317219/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-317219/2-A	Lab Control Sample	Total/NA	Solid	3550C	
480-104754-2 MS	SS-2-081716	Total/NA	Solid	3550C	
480-104754-2 MSD	SS-2-081716	Total/NA	Solid	3550C	

Analysis Batch: 317371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-104754-1	SS-1-081716	Total/NA	Solid	8270D	317219
480-104754-2	SS-2-081716	Total/NA	Solid	8270D	317219
480-104754-3	SS-3-081716	Total/NA	Solid	8270D	317219
480-104754-4	SS-DUP1-081716	Total/NA	Solid	8270D	317219
480-104754-5	SS-4-081716	Total/NA	Solid	8270D	317219
480-104754-6	SS-5-081716	Total/NA	Solid	8270D	317219
480-104754-7	SS-6-081716	Total/NA	Solid	8270D	317219
480-104754-8	SS-7-081716	Total/NA	Solid	8270D	317219
480-104754-9	SS-8-081716	Total/NA	Solid	8270D	317219
480-104754-10	SS-9-081716	Total/NA	Solid	8270D	317219
480-104754-11	SS-10-081716	Total/NA	Solid	8270D	317219
480-104754-12	SS-11-081716	Total/NA	Solid	8270D	317219
480-104754-13	SS-12-081716	Total/NA	Solid	8270D	317219
480-104754-14	SS-13-081716	Total/NA	Solid	8270D	317219
MB 480-317219/1-A	Method Blank	Total/NA	Solid	8270D	317219
LCS 480-317219/2-A	Lab Control Sample	Total/NA	Solid	8270D	317219
480-104754-2 MS	SS-2-081716	Total/NA	Solid	8270D	317219
480-104754-2 MSD	SS-2-081716	Total/NA	Solid	8270D	317219

Prep Batch: 317409

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-104754-15	SS-14-081716	Total/NA	Solid	3550C	
480-104754-16	SS-15-081716	Total/NA	Solid	3550C	
480-104754-17	SS-16-081716	Total/NA	Solid	3550C	
480-104754-18	SS-17-081816	Total/NA	Solid	3550C	
480-104754-19	SS-18-081816	Total/NA	Solid	3550C	
480-104754-20	SS-19-081816	Total/NA	Solid	3550C	
480-104754-21	SS-20-081816	Total/NA	Solid	3550C	
480-104754-22	SS-21-081816	Total/NA	Solid	3550C	
480-104754-23	SS-22-081816	Total/NA	Solid	3550C	

TestAmerica Buffalo

QC Association Summary

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

GC/MS Semi VOA (Continued)

Prep Batch: 317409 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-104754-24	SS-DUP2-081816	Total/NA	Solid	3550C	
480-104754-25	SS-23-081816	Total/NA	Solid	3550C	
MB 480-317409/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-317409/2-A	Lab Control Sample	Total/NA	Solid	3550C	
480-104754-22 MS	SS-21-081816	Total/NA	Solid	3550C	
480-104754-22 MSD	SS-21-081816	Total/NA	Solid	3550C	

Analysis Batch: 317601

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-104754-15	SS-14-081716	Total/NA	Solid	8270D	317409
480-104754-16	SS-15-081716	Total/NA	Solid	8270D	317409
480-104754-17	SS-16-081716	Total/NA	Solid	8270D	317409
480-104754-18	SS-17-081816	Total/NA	Solid	8270D	317409
480-104754-19	SS-18-081816	Total/NA	Solid	8270D	317409
480-104754-20	SS-19-081816	Total/NA	Solid	8270D	317409
480-104754-21	SS-20-081816	Total/NA	Solid	8270D	317409
480-104754-22	SS-21-081816	Total/NA	Solid	8270D	317409
480-104754-23	SS-22-081816	Total/NA	Solid	8270D	317409
480-104754-24	SS-DUP2-081816	Total/NA	Solid	8270D	317409
480-104754-25	SS-23-081816	Total/NA	Solid	8270D	317409
MB 480-317409/1-A	Method Blank	Total/NA	Solid	8270D	317409
LCS 480-317409/2-A	Lab Control Sample	Total/NA	Solid	8270D	317409
480-104754-22 MS	SS-21-081816	Total/NA	Solid	8270D	317409
480-104754-22 MSD	SS-21-081816	Total/NA	Solid	8270D	317409

GC Semi VOA

Prep Batch: 317014

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-104754-1	SS-1-081716	Total/NA	Solid	3550C	
480-104754-2	SS-2-081716	Total/NA	Solid	3550C	
480-104754-3	SS-3-081716	Total/NA	Solid	3550C	
480-104754-4	SS-DUP1-081716	Total/NA	Solid	3550C	
480-104754-5	SS-4-081716	Total/NA	Solid	3550C	
480-104754-6	SS-5-081716	Total/NA	Solid	3550C	
480-104754-7	SS-6-081716	Total/NA	Solid	3550C	
480-104754-8	SS-7-081716	Total/NA	Solid	3550C	
480-104754-9	SS-8-081716	Total/NA	Solid	3550C	
480-104754-10	SS-9-081716	Total/NA	Solid	3550C	
480-104754-11	SS-10-081716	Total/NA	Solid	3550C	
480-104754-12	SS-11-081716	Total/NA	Solid	3550C	
480-104754-13	SS-12-081716	Total/NA	Solid	3550C	
480-104754-14	SS-13-081716	Total/NA	Solid	3550C	
480-104754-15	SS-14-081716	Total/NA	Solid	3550C	
480-104754-16	SS-15-081716	Total/NA	Solid	3550C	
480-104754-17	SS-16-081716	Total/NA	Solid	3550C	
480-104754-18	SS-17-081816	Total/NA	Solid	3550C	
480-104754-19	SS-18-081816	Total/NA	Solid	3550C	
MB 480-317014/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-317014/2-A	Lab Control Sample	Total/NA	Solid	3550C	

TestAmerica Buffalo

QC Association Summary

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

GC Semi VOA (Continued)

Prep Batch: 317014 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-104754-2 MS	SS-2-081716	Total/NA	Solid	3550C	
480-104754-2 MSD	SS-2-081716	Total/NA	Solid	3550C	

Prep Batch: 317115

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-104754-1	SS-1-081716	Total/NA	Solid	3550C	
480-104754-2	SS-2-081716	Total/NA	Solid	3550C	
480-104754-3	SS-3-081716	Total/NA	Solid	3550C	
480-104754-4	SS-DUP1-081716	Total/NA	Solid	3550C	
480-104754-5	SS-4-081716	Total/NA	Solid	3550C	
480-104754-6	SS-5-081716	Total/NA	Solid	3550C	
480-104754-7	SS-6-081716	Total/NA	Solid	3550C	
480-104754-8	SS-7-081716	Total/NA	Solid	3550C	
480-104754-9	SS-8-081716	Total/NA	Solid	3550C	
480-104754-10	SS-9-081716	Total/NA	Solid	3550C	
480-104754-11	SS-10-081716	Total/NA	Solid	3550C	
480-104754-12	SS-11-081716	Total/NA	Solid	3550C	
480-104754-13	SS-12-081716	Total/NA	Solid	3550C	
480-104754-14	SS-13-081716	Total/NA	Solid	3550C	
480-104754-15	SS-14-081716	Total/NA	Solid	3550C	
480-104754-16	SS-15-081716	Total/NA	Solid	3550C	
480-104754-17	SS-16-081716	Total/NA	Solid	3550C	
480-104754-18	SS-17-081816	Total/NA	Solid	3550C	
MB 480-317115/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-317115/2-A	Lab Control Sample	Total/NA	Solid	3550C	
480-104754-2 MS	SS-2-081716	Total/NA	Solid	3550C	
480-104754-2 MSD	SS-2-081716	Total/NA	Solid	3550C	

Analysis Batch: 317189

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-104754-1	SS-1-081716	Total/NA	Solid	8082A	317115
480-104754-2	SS-2-081716	Total/NA	Solid	8082A	317115
480-104754-3	SS-3-081716	Total/NA	Solid	8082A	317115
480-104754-4	SS-DUP1-081716	Total/NA	Solid	8082A	317115
480-104754-5	SS-4-081716	Total/NA	Solid	8082A	317115
480-104754-6	SS-5-081716	Total/NA	Solid	8082A	317115
480-104754-7	SS-6-081716	Total/NA	Solid	8082A	317115
480-104754-8	SS-7-081716	Total/NA	Solid	8082A	317115
480-104754-9	SS-8-081716	Total/NA	Solid	8082A	317115
480-104754-10	SS-9-081716	Total/NA	Solid	8082A	317115
480-104754-11	SS-10-081716	Total/NA	Solid	8082A	317115
480-104754-12	SS-11-081716	Total/NA	Solid	8082A	317115
480-104754-13	SS-12-081716	Total/NA	Solid	8082A	317115
480-104754-14	SS-13-081716	Total/NA	Solid	8082A	317115
480-104754-15	SS-14-081716	Total/NA	Solid	8082A	317115
480-104754-16	SS-15-081716	Total/NA	Solid	8082A	317115
480-104754-17	SS-16-081716	Total/NA	Solid	8082A	317115
480-104754-18	SS-17-081816	Total/NA	Solid	8082A	317115
MB 480-317115/1-A	Method Blank	Total/NA	Solid	8082A	317115
LCS 480-317115/2-A	Lab Control Sample	Total/NA	Solid	8082A	317115
480-104754-2 MS	SS-2-081716	Total/NA	Solid	8082A	317115

TestAmerica Buffalo

QC Association Summary

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

GC Semi VOA (Continued)

Analysis Batch: 317189 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-104754-2 MSD	SS-2-081716	Total/NA	Solid	8082A	317115

Prep Batch: 317236

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-104754-19	SS-18-081816	Total/NA	Solid	3550C	
480-104754-20	SS-19-081816	Total/NA	Solid	3550C	
480-104754-21	SS-20-081816	Total/NA	Solid	3550C	
480-104754-22	SS-21-081816	Total/NA	Solid	3550C	
480-104754-23	SS-22-081816	Total/NA	Solid	3550C	
480-104754-24	SS-DUP2-081816	Total/NA	Solid	3550C	
480-104754-25	SS-23-081816	Total/NA	Solid	3550C	
MB 480-317236/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-317236/2-A	Lab Control Sample	Total/NA	Solid	3550C	
480-104754-22 MS	SS-21-081816	Total/NA	Solid	3550C	
480-104754-22 MSD	SS-21-081816	Total/NA	Solid	3550C	

Analysis Batch: 317359

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-104754-19	SS-18-081816	Total/NA	Solid	8082A	317236
480-104754-20	SS-19-081816	Total/NA	Solid	8082A	317236
480-104754-21	SS-20-081816	Total/NA	Solid	8082A	317236
480-104754-22	SS-21-081816	Total/NA	Solid	8082A	317236
480-104754-23	SS-22-081816	Total/NA	Solid	8082A	317236
480-104754-24	SS-DUP2-081816	Total/NA	Solid	8082A	317236
480-104754-25	SS-23-081816	Total/NA	Solid	8082A	317236
MB 480-317236/1-A	Method Blank	Total/NA	Solid	8082A	317236
LCS 480-317236/2-A	Lab Control Sample	Total/NA	Solid	8082A	317236
480-104754-22 MS	SS-21-081816	Total/NA	Solid	8082A	317236
480-104754-22 MSD	SS-21-081816	Total/NA	Solid	8082A	317236

Prep Batch: 317406

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-104754-20	SS-19-081816	Total/NA	Solid	3550C	
480-104754-21	SS-20-081816	Total/NA	Solid	3550C	
480-104754-22	SS-21-081816	Total/NA	Solid	3550C	
480-104754-23	SS-22-081816	Total/NA	Solid	3550C	
480-104754-24	SS-DUP2-081816	Total/NA	Solid	3550C	
480-104754-25	SS-23-081816	Total/NA	Solid	3550C	
MB 480-317406/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-317406/2-A	Lab Control Sample	Total/NA	Solid	3550C	
480-104754-22 MS	SS-21-081816	Total/NA	Solid	3550C	
480-104754-22 MSD	SS-21-081816	Total/NA	Solid	3550C	

Analysis Batch: 317446

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-104754-1	SS-1-081716	Total/NA	Solid	8081B	317014
480-104754-2	SS-2-081716	Total/NA	Solid	8081B	317014
480-104754-3	SS-3-081716	Total/NA	Solid	8081B	317014
480-104754-4	SS-DUP1-081716	Total/NA	Solid	8081B	317014
480-104754-5	SS-4-081716	Total/NA	Solid	8081B	317014
480-104754-6	SS-5-081716	Total/NA	Solid	8081B	317014

TestAmerica Buffalo

QC Association Summary

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

GC Semi VOA (Continued)

Analysis Batch: 317446 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-104754-7	SS-6-081716	Total/NA	Solid	8081B	317014
480-104754-8	SS-7-081716	Total/NA	Solid	8081B	317014
480-104754-9	SS-8-081716	Total/NA	Solid	8081B	317014
480-104754-10	SS-9-081716	Total/NA	Solid	8081B	317014
480-104754-11	SS-10-081716	Total/NA	Solid	8081B	317014
480-104754-12	SS-11-081716	Total/NA	Solid	8081B	317014
480-104754-13	SS-12-081716	Total/NA	Solid	8081B	317014
480-104754-14	SS-13-081716	Total/NA	Solid	8081B	317014
MB 480-317014/1-A	Method Blank	Total/NA	Solid	8081B	317014
LCS 480-317014/2-A	Lab Control Sample	Total/NA	Solid	8081B	317014
480-104754-2 MS	SS-2-081716	Total/NA	Solid	8081B	317014
480-104754-2 MSD	SS-2-081716	Total/NA	Solid	8081B	317014

Analysis Batch: 317635

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-104754-15	SS-14-081716	Total/NA	Solid	8081B	317014
480-104754-16	SS-15-081716	Total/NA	Solid	8081B	317014
480-104754-17	SS-16-081716	Total/NA	Solid	8081B	317014
480-104754-18	SS-17-081816	Total/NA	Solid	8081B	317014
480-104754-19	SS-18-081816	Total/NA	Solid	8081B	317014
480-104754-20	SS-19-081816	Total/NA	Solid	8081B	317406
480-104754-21	SS-20-081816	Total/NA	Solid	8081B	317406
480-104754-22	SS-21-081816	Total/NA	Solid	8081B	317406
480-104754-23	SS-22-081816	Total/NA	Solid	8081B	317406
480-104754-24	SS-DUP2-081816	Total/NA	Solid	8081B	317406
480-104754-25	SS-23-081816	Total/NA	Solid	8081B	317406
MB 480-317406/1-A	Method Blank	Total/NA	Solid	8081B	317406
LCS 480-317406/2-A	Lab Control Sample	Total/NA	Solid	8081B	317406
480-104754-22 MS	SS-21-081816	Total/NA	Solid	8081B	317406
480-104754-22 MSD	SS-21-081816	Total/NA	Solid	8081B	317406

Metals

Prep Batch: 316848

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-104754-1	SS-1-081716	Total/NA	Solid	7471B	
480-104754-2	SS-2-081716	Total/NA	Solid	7471B	
480-104754-3	SS-3-081716	Total/NA	Solid	7471B	
480-104754-4	SS-DUP1-081716	Total/NA	Solid	7471B	
480-104754-5	SS-4-081716	Total/NA	Solid	7471B	
480-104754-6	SS-5-081716	Total/NA	Solid	7471B	
480-104754-8	SS-7-081716	Total/NA	Solid	7471B	
480-104754-9	SS-8-081716	Total/NA	Solid	7471B	
480-104754-10	SS-9-081716	Total/NA	Solid	7471B	
480-104754-11	SS-10-081716	Total/NA	Solid	7471B	
480-104754-12	SS-11-081716	Total/NA	Solid	7471B	
480-104754-13	SS-12-081716	Total/NA	Solid	7471B	
480-104754-14	SS-13-081716	Total/NA	Solid	7471B	
480-104754-15	SS-14-081716	Total/NA	Solid	7471B	
480-104754-16	SS-15-081716	Total/NA	Solid	7471B	

TestAmerica Buffalo

QC Association Summary

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Metals (Continued)

Prep Batch: 316848 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-104754-17	SS-16-081716	Total/NA	Solid	7471B	
480-104754-18	SS-17-081816	Total/NA	Solid	7471B	
480-104754-19	SS-18-081816	Total/NA	Solid	7471B	
MB 480-316848/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 480-316848/2-A ^5	Lab Control Sample	Total/NA	Solid	7471B	
480-104754-2 MS	SS-2-081716	Total/NA	Solid	7471B	
480-104754-2 MSD	SS-2-081716	Total/NA	Solid	7471B	

Prep Batch: 316849

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-104754-7	SS-6-081716	Total/NA	Solid	7471B	
480-104754-20	SS-19-081816	Total/NA	Solid	7471B	
480-104754-21	SS-20-081816	Total/NA	Solid	7471B	
480-104754-22	SS-21-081816	Total/NA	Solid	7471B	
480-104754-23	SS-22-081816	Total/NA	Solid	7471B	
480-104754-24	SS-DUP2-081816	Total/NA	Solid	7471B	
480-104754-25	SS-23-081816	Total/NA	Solid	7471B	
MB 480-316849/1-A	Method Blank	Total/NA	Solid	7471B	
LCDSRM 480-316849/19-A ^	Lab Control Sample Dup	Total/NA	Solid	7471B	
LCSSRM 480-316849/2-A ^5	Lab Control Sample	Total/NA	Solid	7471B	
480-104754-20 MS	SS-19-081816	Total/NA	Solid	7471B	
480-104754-20 MSD	SS-19-081816	Total/NA	Solid	7471B	
480-104754-22 MS	SS-21-081816	Total/NA	Solid	7471B	
480-104754-22 MSD	SS-21-081816	Total/NA	Solid	7471B	

Prep Batch: 316854

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-104754-1	SS-1-081716	Total/NA	Solid	3050B	
480-104754-2	SS-2-081716	Total/NA	Solid	3050B	
480-104754-3	SS-3-081716	Total/NA	Solid	3050B	
480-104754-4	SS-DUP1-081716	Total/NA	Solid	3050B	
480-104754-5	SS-4-081716	Total/NA	Solid	3050B	
480-104754-6	SS-5-081716	Total/NA	Solid	3050B	
480-104754-7	SS-6-081716	Total/NA	Solid	3050B	
480-104754-8	SS-7-081716	Total/NA	Solid	3050B	
480-104754-9	SS-8-081716	Total/NA	Solid	3050B	
480-104754-10	SS-9-081716	Total/NA	Solid	3050B	
480-104754-11	SS-10-081716	Total/NA	Solid	3050B	
480-104754-12	SS-11-081716	Total/NA	Solid	3050B	
MB 480-316854/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 480-316854/2-A	Lab Control Sample	Total/NA	Solid	3050B	
480-104754-2 MS	SS-2-081716	Total/NA	Solid	3050B	
480-104754-2 MSD	SS-2-081716	Total/NA	Solid	3050B	

Prep Batch: 316858

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-104754-13	SS-12-081716	Total/NA	Solid	3050B	
480-104754-14	SS-13-081716	Total/NA	Solid	3050B	
480-104754-15	SS-14-081716	Total/NA	Solid	3050B	
480-104754-16	SS-15-081716	Total/NA	Solid	3050B	
480-104754-17	SS-16-081716	Total/NA	Solid	3050B	

TestAmerica Buffalo

QC Association Summary

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Metals (Continued)

Prep Batch: 316858 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-104754-18	SS-17-081816	Total/NA	Solid	3050B	
480-104754-19	SS-18-081816	Total/NA	Solid	3050B	
480-104754-20	SS-19-081816	Total/NA	Solid	3050B	
480-104754-21	SS-20-081816	Total/NA	Solid	3050B	
480-104754-22	SS-21-081816	Total/NA	Solid	3050B	
480-104754-23	SS-22-081816	Total/NA	Solid	3050B	
480-104754-24	SS-DUP2-081816	Total/NA	Solid	3050B	
480-104754-25	SS-23-081816	Total/NA	Solid	3050B	
MB 480-316858/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 480-316858/2-A	Lab Control Sample	Total/NA	Solid	3050B	
480-104754-22 MS	SS-21-081816	Total/NA	Solid	3050B	
480-104754-22 MSD	SS-21-081816	Total/NA	Solid	3050B	

Analysis Batch: 316951

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-104754-1	SS-1-081716	Total/NA	Solid	7471B	316848
480-104754-2	SS-2-081716	Total/NA	Solid	7471B	316848
480-104754-3	SS-3-081716	Total/NA	Solid	7471B	316848
480-104754-4	SS-DUP1-081716	Total/NA	Solid	7471B	316848
480-104754-5	SS-4-081716	Total/NA	Solid	7471B	316848
480-104754-6	SS-5-081716	Total/NA	Solid	7471B	316848
480-104754-7	SS-6-081716	Total/NA	Solid	7471B	316849
480-104754-8	SS-7-081716	Total/NA	Solid	7471B	316848
480-104754-9	SS-8-081716	Total/NA	Solid	7471B	316848
480-104754-10	SS-9-081716	Total/NA	Solid	7471B	316848
480-104754-11	SS-10-081716	Total/NA	Solid	7471B	316848
480-104754-12	SS-11-081716	Total/NA	Solid	7471B	316848
480-104754-13	SS-12-081716	Total/NA	Solid	7471B	316848
480-104754-14	SS-13-081716	Total/NA	Solid	7471B	316848
480-104754-15	SS-14-081716	Total/NA	Solid	7471B	316848
480-104754-16	SS-15-081716	Total/NA	Solid	7471B	316848
480-104754-17	SS-16-081716	Total/NA	Solid	7471B	316848
480-104754-18	SS-17-081816	Total/NA	Solid	7471B	316848
480-104754-19	SS-18-081816	Total/NA	Solid	7471B	316848
480-104754-20	SS-19-081816	Total/NA	Solid	7471B	316849
480-104754-21	SS-20-081816	Total/NA	Solid	7471B	316849
480-104754-22	SS-21-081816	Total/NA	Solid	7471B	316849
480-104754-23	SS-22-081816	Total/NA	Solid	7471B	316849
480-104754-24	SS-DUP2-081816	Total/NA	Solid	7471B	316849
480-104754-25	SS-23-081816	Total/NA	Solid	7471B	316849
MB 480-316848/1-A	Method Blank	Total/NA	Solid	7471B	316848
MB 480-316849/1-A	Method Blank	Total/NA	Solid	7471B	316849
LCDSRM 480-316849/19-A	Lab Control Sample Dup	Total/NA	Solid	7471B	316849
LCSSRM 480-316848/2-A ^5	Lab Control Sample	Total/NA	Solid	7471B	316848
LCSSRM 480-316849/2-A ^5	Lab Control Sample	Total/NA	Solid	7471B	316849
480-104754-2 MS	SS-2-081716	Total/NA	Solid	7471B	316848
480-104754-2 MSD	SS-2-081716	Total/NA	Solid	7471B	316848
480-104754-20 MS	SS-19-081816	Total/NA	Solid	7471B	316849
480-104754-20 MSD	SS-19-081816	Total/NA	Solid	7471B	316849
480-104754-22 MS	SS-21-081816	Total/NA	Solid	7471B	316849
480-104754-22 MSD	SS-21-081816	Total/NA	Solid	7471B	316849

TestAmerica Buffalo

QC Association Summary

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Analysis Batch: 317229

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-104754-1	SS-1-081716	Total/NA	Solid	6010C	316854
480-104754-2	SS-2-081716	Total/NA	Solid	6010C	316854
480-104754-3	SS-3-081716	Total/NA	Solid	6010C	316854
480-104754-4	SS-DUP1-081716	Total/NA	Solid	6010C	316854
480-104754-5	SS-4-081716	Total/NA	Solid	6010C	316854
480-104754-6	SS-5-081716	Total/NA	Solid	6010C	316854
480-104754-7	SS-6-081716	Total/NA	Solid	6010C	316854
480-104754-8	SS-7-081716	Total/NA	Solid	6010C	316854
480-104754-9	SS-8-081716	Total/NA	Solid	6010C	316854
480-104754-10	SS-9-081716	Total/NA	Solid	6010C	316854
480-104754-11	SS-10-081716	Total/NA	Solid	6010C	316854
480-104754-12	SS-11-081716	Total/NA	Solid	6010C	316854
480-104754-13	SS-12-081716	Total/NA	Solid	6010C	316858
480-104754-14	SS-13-081716	Total/NA	Solid	6010C	316858
480-104754-15	SS-14-081716	Total/NA	Solid	6010C	316858
480-104754-16	SS-15-081716	Total/NA	Solid	6010C	316858
480-104754-17	SS-16-081716	Total/NA	Solid	6010C	316858
480-104754-18	SS-17-081816	Total/NA	Solid	6010C	316858
480-104754-19	SS-18-081816	Total/NA	Solid	6010C	316858
480-104754-20	SS-19-081816	Total/NA	Solid	6010C	316858
480-104754-21	SS-20-081816	Total/NA	Solid	6010C	316858
480-104754-22	SS-21-081816	Total/NA	Solid	6010C	316858
480-104754-23	SS-22-081816	Total/NA	Solid	6010C	316858
480-104754-24	SS-DUP2-081816	Total/NA	Solid	6010C	316858
480-104754-25	SS-23-081816	Total/NA	Solid	6010C	316858
MB 480-316854/1-A	Method Blank	Total/NA	Solid	6010C	316854
MB 480-316858/1-A	Method Blank	Total/NA	Solid	6010C	316858
LCSRM 480-316854/2-A	Lab Control Sample	Total/NA	Solid	6010C	316854
LCSRM 480-316858/2-A	Lab Control Sample	Total/NA	Solid	6010C	316858
480-104754-2 MS	SS-2-081716	Total/NA	Solid	6010C	316854
480-104754-2 MSD	SS-2-081716	Total/NA	Solid	6010C	316854
480-104754-22 MS	SS-21-081816	Total/NA	Solid	6010C	316858
480-104754-22 MSD	SS-21-081816	Total/NA	Solid	6010C	316858

General Chemistry

Analysis Batch: 316750

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-104754-1	SS-1-081716	Total/NA	Solid	Moisture	
480-104754-2	SS-2-081716	Total/NA	Solid	Moisture	
480-104754-3	SS-3-081716	Total/NA	Solid	Moisture	
480-104754-4	SS-DUP1-081716	Total/NA	Solid	Moisture	
480-104754-5	SS-4-081716	Total/NA	Solid	Moisture	
480-104754-6	SS-5-081716	Total/NA	Solid	Moisture	
480-104754-7	SS-6-081716	Total/NA	Solid	Moisture	
480-104754-8	SS-7-081716	Total/NA	Solid	Moisture	
480-104754-9	SS-8-081716	Total/NA	Solid	Moisture	
480-104754-10	SS-9-081716	Total/NA	Solid	Moisture	
480-104754-11	SS-10-081716	Total/NA	Solid	Moisture	
480-104754-12	SS-11-081716	Total/NA	Solid	Moisture	
480-104754-13	SS-12-081716	Total/NA	Solid	Moisture	
480-104754-14	SS-13-081716	Total/NA	Solid	Moisture	
480-104754-15	SS-14-081716	Total/NA	Solid	Moisture	

TestAmerica Buffalo

QC Association Summary

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

General Chemistry (Continued)

Analysis Batch: 316750 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-104754-16	SS-15-081716	Total/NA	Solid	Moisture	
480-104754-17	SS-16-081716	Total/NA	Solid	Moisture	
480-104754-18	SS-17-081816	Total/NA	Solid	Moisture	
480-104754-19	SS-18-081816	Total/NA	Solid	Moisture	
480-104754-20	SS-19-081816	Total/NA	Solid	Moisture	
480-104754-21	SS-20-081816	Total/NA	Solid	Moisture	
480-104754-22	SS-21-081816	Total/NA	Solid	Moisture	
480-104754-23	SS-22-081816	Total/NA	Solid	Moisture	
480-104754-24	SS-DUP2-081816	Total/NA	Solid	Moisture	
480-104754-25	SS-23-081816	Total/NA	Solid	Moisture	
480-104754-2 MS	SS-2-081716	Total/NA	Solid	Moisture	
480-104754-2 MSD	SS-2-081716	Total/NA	Solid	Moisture	
480-104754-22 MS	SS-21-081816	Total/NA	Solid	Moisture	
480-104754-22 MSD	SS-21-081816	Total/NA	Solid	Moisture	

Lab Chronicle

Client: GHD Services Inc.
 Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Client Sample ID: SS-1-081716

Date Collected: 08/17/16 10:45

Date Received: 08/18/16 14:45

Lab Sample ID: 480-104754-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	316750	08/19/16 01:10	CSW	TAL BUF

Client Sample ID: SS-1-081716

Date Collected: 08/17/16 10:45

Date Received: 08/18/16 14:45

Lab Sample ID: 480-104754-1

Matrix: Solid

Percent Solids: 88.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			317219	08/23/16 06:20	ARS	TAL BUF
Total/NA	Analysis	8270D		20	317371	08/23/16 21:30	DMR	TAL BUF
Total/NA	Prep	3550C			317014	08/22/16 07:09	CAM	TAL BUF
Total/NA	Analysis	8081B		2	317446	08/24/16 12:38	MAN	TAL BUF
Total/NA	Prep	3550C			317115	08/22/16 11:18	CAM	TAL BUF
Total/NA	Analysis	8082A		1	317189	08/22/16 21:38	JMO	TAL BUF
Total/NA	Prep	3050B			316854	08/19/16 12:47	RMZ	TAL BUF
Total/NA	Analysis	6010C		1	317229	08/23/16 04:02	AMH	TAL BUF
Total/NA	Prep	7471B			316848	08/19/16 12:00	JRK	TAL BUF
Total/NA	Analysis	7471B		1	316951	08/19/16 15:24	JRK	TAL BUF

Client Sample ID: SS-2-081716

Date Collected: 08/17/16 11:25

Date Received: 08/18/16 14:45

Lab Sample ID: 480-104754-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	316750	08/19/16 01:10	CSW	TAL BUF

Client Sample ID: SS-2-081716

Date Collected: 08/17/16 11:25

Date Received: 08/18/16 14:45

Lab Sample ID: 480-104754-2

Matrix: Solid

Percent Solids: 89.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			317219	08/23/16 06:20	ARS	TAL BUF
Total/NA	Analysis	8270D		1	317371	08/23/16 21:03	DMR	TAL BUF
Total/NA	Prep	3550C			317014	08/22/16 07:09	CAM	TAL BUF
Total/NA	Analysis	8081B		2	317446	08/24/16 12:19	MAN	TAL BUF
Total/NA	Prep	3550C			317115	08/22/16 11:18	CAM	TAL BUF
Total/NA	Analysis	8082A		1	317189	08/22/16 21:23	JMO	TAL BUF
Total/NA	Prep	3050B			316854	08/19/16 12:47	RMZ	TAL BUF
Total/NA	Analysis	6010C		1	317229	08/23/16 04:05	AMH	TAL BUF
Total/NA	Prep	7471B			316848	08/19/16 12:00	JRK	TAL BUF
Total/NA	Analysis	7471B		1	316951	08/19/16 15:26	JRK	TAL BUF

Lab Chronicle

Client: GHD Services Inc.
 Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Client Sample ID: SS-3-081716

Lab Sample ID: 480-104754-3

Date Collected: 08/17/16 11:55

Matrix: Solid

Date Received: 08/18/16 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	316750	08/19/16 01:10	CSW	TAL BUF

Client Sample ID: SS-3-081716

Lab Sample ID: 480-104754-3

Date Collected: 08/17/16 11:55

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 89.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			317219	08/23/16 06:20	ARS	TAL BUF
Total/NA	Analysis	8270D		5	317371	08/23/16 21:57	DMR	TAL BUF
Total/NA	Prep	3550C			317014	08/22/16 07:09	CAM	TAL BUF
Total/NA	Analysis	8081B		1	317446	08/24/16 12:58	MAN	TAL BUF
Total/NA	Prep	3550C			317115	08/22/16 11:18	CAM	TAL BUF
Total/NA	Analysis	8082A		1	317189	08/22/16 21:54	JMO	TAL BUF
Total/NA	Prep	3050B			316854	08/19/16 12:47	RMZ	TAL BUF
Total/NA	Analysis	6010C		1	317229	08/23/16 04:33	AMH	TAL BUF
Total/NA	Prep	7471B			316848	08/19/16 12:00	JRK	TAL BUF
Total/NA	Analysis	7471B		1	316951	08/19/16 15:40	JRK	TAL BUF

Client Sample ID: SS-DUP1-081716

Lab Sample ID: 480-104754-4

Date Collected: 08/17/16 00:00

Matrix: Solid

Date Received: 08/18/16 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	316750	08/19/16 01:10	CSW	TAL BUF

Client Sample ID: SS-DUP1-081716

Lab Sample ID: 480-104754-4

Date Collected: 08/17/16 00:00

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 90.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			317219	08/23/16 06:20	ARS	TAL BUF
Total/NA	Analysis	8270D		5	317371	08/23/16 22:24	DMR	TAL BUF
Total/NA	Prep	3550C			317014	08/22/16 07:09	CAM	TAL BUF
Total/NA	Analysis	8081B		1	317446	08/24/16 13:17	MAN	TAL BUF
Total/NA	Prep	3550C			317115	08/22/16 11:18	CAM	TAL BUF
Total/NA	Analysis	8082A		1	317189	08/22/16 22:09	JMO	TAL BUF
Total/NA	Prep	3050B			316854	08/19/16 12:47	RMZ	TAL BUF
Total/NA	Analysis	6010C		1	317229	08/23/16 04:37	AMH	TAL BUF
Total/NA	Prep	7471B			316848	08/19/16 12:00	JRK	TAL BUF
Total/NA	Analysis	7471B		1	316951	08/19/16 15:42	JRK	TAL BUF

Lab Chronicle

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Client Sample ID: SS-4-081716

Lab Sample ID: 480-104754-5

Date Collected: 08/17/16 12:25

Matrix: Solid

Date Received: 08/18/16 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	316750	08/19/16 01:10	CSW	TAL BUF

Client Sample ID: SS-4-081716

Lab Sample ID: 480-104754-5

Date Collected: 08/17/16 12:25

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 88.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			317219	08/23/16 06:20	ARS	TAL BUF
Total/NA	Analysis	8270D		5	317371	08/23/16 22:52	DMR	TAL BUF
Total/NA	Prep	3550C			317014	08/22/16 07:09	CAM	TAL BUF
Total/NA	Analysis	8081B		1	317446	08/24/16 13:37	MAN	TAL BUF
Total/NA	Prep	3550C			317115	08/22/16 11:18	CAM	TAL BUF
Total/NA	Analysis	8082A		1	317189	08/22/16 22:24	JMO	TAL BUF
Total/NA	Prep	3050B			316854	08/19/16 12:47	RMZ	TAL BUF
Total/NA	Analysis	6010C		1	317229	08/23/16 04:40	AMH	TAL BUF
Total/NA	Prep	7471B			316848	08/19/16 12:00	JRK	TAL BUF
Total/NA	Analysis	7471B		1	316951	08/19/16 15:44	JRK	TAL BUF

Client Sample ID: SS-5-081716

Lab Sample ID: 480-104754-6

Date Collected: 08/17/16 12:50

Matrix: Solid

Date Received: 08/18/16 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	316750	08/19/16 01:10	CSW	TAL BUF

Client Sample ID: SS-5-081716

Lab Sample ID: 480-104754-6

Date Collected: 08/17/16 12:50

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 83.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			317219	08/23/16 06:20	ARS	TAL BUF
Total/NA	Analysis	8270D		1	317371	08/23/16 23:19	DMR	TAL BUF
Total/NA	Prep	3550C			317014	08/22/16 07:09	CAM	TAL BUF
Total/NA	Analysis	8081B		1	317446	08/24/16 13:56	MAN	TAL BUF
Total/NA	Prep	3550C			317115	08/22/16 11:18	CAM	TAL BUF
Total/NA	Analysis	8082A		1	317189	08/22/16 22:40	JMO	TAL BUF
Total/NA	Prep	3050B			316854	08/19/16 12:47	RMZ	TAL BUF
Total/NA	Analysis	6010C		1	317229	08/23/16 04:43	AMH	TAL BUF
Total/NA	Prep	7471B			316848	08/19/16 12:00	JRK	TAL BUF
Total/NA	Analysis	7471B		1	316951	08/19/16 15:45	JRK	TAL BUF

Lab Chronicle

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Client Sample ID: SS-6-081716

Lab Sample ID: 480-104754-7

Date Collected: 08/17/16 13:10

Matrix: Solid

Date Received: 08/18/16 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	316750	08/19/16 01:10	CSW	TAL BUF

Client Sample ID: SS-6-081716

Lab Sample ID: 480-104754-7

Date Collected: 08/17/16 13:10

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 83.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			317219	08/23/16 06:20	ARS	TAL BUF
Total/NA	Analysis	8270D		1	317371	08/23/16 23:45	DMR	TAL BUF
Total/NA	Prep	3550C			317014	08/22/16 07:09	CAM	TAL BUF
Total/NA	Analysis	8081B		1	317446	08/24/16 14:16	MAN	TAL BUF
Total/NA	Prep	3550C			317115	08/22/16 11:18	CAM	TAL BUF
Total/NA	Analysis	8082A		1	317189	08/22/16 22:55	JMO	TAL BUF
Total/NA	Prep	3050B			316854	08/19/16 12:47	RMZ	TAL BUF
Total/NA	Analysis	6010C		1	317229	08/23/16 04:47	AMH	TAL BUF
Total/NA	Prep	7471B			316849	08/19/16 12:00	JRK	TAL BUF
Total/NA	Analysis	7471B		1	316951	08/19/16 16:45	JRK	TAL BUF

Client Sample ID: SS-7-081716

Lab Sample ID: 480-104754-8

Date Collected: 08/17/16 14:15

Matrix: Solid

Date Received: 08/18/16 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	316750	08/19/16 01:10	CSW	TAL BUF

Client Sample ID: SS-7-081716

Lab Sample ID: 480-104754-8

Date Collected: 08/17/16 14:15

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 89.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			317219	08/23/16 06:20	ARS	TAL BUF
Total/NA	Analysis	8270D		20	317371	08/24/16 00:12	DMR	TAL BUF
Total/NA	Prep	3550C			317014	08/22/16 07:09	CAM	TAL BUF
Total/NA	Analysis	8081B		10	317446	08/24/16 14:35	MAN	TAL BUF
Total/NA	Prep	3550C			317115	08/22/16 11:18	CAM	TAL BUF
Total/NA	Analysis	8082A		1	317189	08/22/16 23:10	JMO	TAL BUF
Total/NA	Prep	3050B			316854	08/19/16 12:47	RMZ	TAL BUF
Total/NA	Analysis	6010C		1	317229	08/23/16 04:50	AMH	TAL BUF
Total/NA	Prep	7471B			316848	08/19/16 12:00	JRK	TAL BUF
Total/NA	Analysis	7471B		1	316951	08/19/16 15:47	JRK	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Client Sample ID: SS-8-081716

Lab Sample ID: 480-104754-9

Date Collected: 08/17/16 14:35

Matrix: Solid

Date Received: 08/18/16 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	316750	08/19/16 01:10	CSW	TAL BUF

Client Sample ID: SS-8-081716

Lab Sample ID: 480-104754-9

Date Collected: 08/17/16 14:35

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 89.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			317219	08/23/16 06:20	ARS	TAL BUF
Total/NA	Analysis	8270D		5	317371	08/24/16 00:39	DMR	TAL BUF
Total/NA	Prep	3550C			317014	08/22/16 07:09	CAM	TAL BUF
Total/NA	Analysis	8081B		1	317446	08/24/16 14:55	MAN	TAL BUF
Total/NA	Prep	3550C			317115	08/22/16 11:18	CAM	TAL BUF
Total/NA	Analysis	8082A		1	317189	08/22/16 23:25	JMO	TAL BUF
Total/NA	Prep	3050B			316854	08/19/16 12:47	RMZ	TAL BUF
Total/NA	Analysis	6010C		1	317229	08/23/16 05:04	AMH	TAL BUF
Total/NA	Prep	7471B			316848	08/19/16 12:00	JRK	TAL BUF
Total/NA	Analysis	7471B		1	316951	08/19/16 15:48	JRK	TAL BUF

Client Sample ID: SS-9-081716

Lab Sample ID: 480-104754-10

Date Collected: 08/17/16 15:00

Matrix: Solid

Date Received: 08/18/16 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	316750	08/19/16 01:10	CSW	TAL BUF

Client Sample ID: SS-9-081716

Lab Sample ID: 480-104754-10

Date Collected: 08/17/16 15:00

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 91.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			317219	08/23/16 06:20	ARS	TAL BUF
Total/NA	Analysis	8270D		5	317371	08/24/16 01:06	DMR	TAL BUF
Total/NA	Prep	3550C			317014	08/22/16 07:09	CAM	TAL BUF
Total/NA	Analysis	8081B		1	317446	08/24/16 15:14	MAN	TAL BUF
Total/NA	Prep	3550C			317115	08/22/16 11:18	CAM	TAL BUF
Total/NA	Analysis	8082A		1	317189	08/22/16 23:41	JMO	TAL BUF
Total/NA	Prep	3050B			316854	08/19/16 12:47	RMZ	TAL BUF
Total/NA	Analysis	6010C		1	317229	08/23/16 05:08	AMH	TAL BUF
Total/NA	Prep	7471B			316848	08/19/16 12:00	JRK	TAL BUF
Total/NA	Analysis	7471B		1	316951	08/19/16 15:49	JRK	TAL BUF

Lab Chronicle

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Client Sample ID: SS-10-081716

Lab Sample ID: 480-104754-11

Date Collected: 08/17/16 15:15

Matrix: Solid

Date Received: 08/18/16 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	316750	08/19/16 01:10	CSW	TAL BUF

Client Sample ID: SS-10-081716

Lab Sample ID: 480-104754-11

Date Collected: 08/17/16 15:15

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 89.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			317219	08/23/16 06:20	ARS	TAL BUF
Total/NA	Analysis	8270D		20	317371	08/24/16 01:32	DMR	TAL BUF
Total/NA	Prep	3550C			317014	08/22/16 07:09	CAM	TAL BUF
Total/NA	Analysis	8081B		1	317446	08/24/16 15:34	MAN	TAL BUF
Total/NA	Prep	3550C			317115	08/22/16 11:18	CAM	TAL BUF
Total/NA	Analysis	8082A		1	317189	08/22/16 23:56	JMO	TAL BUF
Total/NA	Prep	3050B			316854	08/19/16 12:47	RMZ	TAL BUF
Total/NA	Analysis	6010C		1	317229	08/23/16 05:11	AMH	TAL BUF
Total/NA	Prep	7471B			316848	08/19/16 12:00	JRK	TAL BUF
Total/NA	Analysis	7471B		1	316951	08/19/16 15:51	JRK	TAL BUF

Client Sample ID: SS-11-081716

Lab Sample ID: 480-104754-12

Date Collected: 08/17/16 15:30

Matrix: Solid

Date Received: 08/18/16 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	316750	08/19/16 01:10	CSW	TAL BUF

Client Sample ID: SS-11-081716

Lab Sample ID: 480-104754-12

Date Collected: 08/17/16 15:30

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 87.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			317219	08/23/16 06:20	ARS	TAL BUF
Total/NA	Analysis	8270D		5	317371	08/24/16 01:59	DMR	TAL BUF
Total/NA	Prep	3550C			317014	08/22/16 07:09	CAM	TAL BUF
Total/NA	Analysis	8081B		1	317446	08/24/16 15:53	MAN	TAL BUF
Total/NA	Prep	3550C			317115	08/22/16 11:18	CAM	TAL BUF
Total/NA	Analysis	8082A		1	317189	08/23/16 00:11	JMO	TAL BUF
Total/NA	Prep	3050B			316854	08/19/16 12:47	RMZ	TAL BUF
Total/NA	Analysis	6010C		1	317229	08/23/16 05:14	AMH	TAL BUF
Total/NA	Prep	7471B			316848	08/19/16 12:00	JRK	TAL BUF
Total/NA	Analysis	7471B		1	316951	08/19/16 15:53	JRK	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Client Sample ID: SS-12-081716

Lab Sample ID: 480-104754-13

Date Collected: 08/17/16 15:50

Matrix: Solid

Date Received: 08/18/16 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	316750	08/19/16 01:10	CSW	TAL BUF

Client Sample ID: SS-12-081716

Lab Sample ID: 480-104754-13

Date Collected: 08/17/16 15:50

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 89.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			317219	08/23/16 06:20	ARS	TAL BUF
Total/NA	Analysis	8270D		1	317371	08/24/16 02:26	DMR	TAL BUF
Total/NA	Prep	3550C			317014	08/22/16 07:09	CAM	TAL BUF
Total/NA	Analysis	8081B		1	317446	08/24/16 16:13	MAN	TAL BUF
Total/NA	Prep	3550C			317115	08/22/16 11:18	CAM	TAL BUF
Total/NA	Analysis	8082A		1	317189	08/23/16 00:27	JMO	TAL BUF
Total/NA	Prep	3050B			316858	08/19/16 12:47	RMZ	TAL BUF
Total/NA	Analysis	6010C		1	317229	08/23/16 01:44	AMH	TAL BUF
Total/NA	Prep	7471B			316848	08/19/16 12:00	JRK	TAL BUF
Total/NA	Analysis	7471B		1	316951	08/19/16 15:55	JRK	TAL BUF

Client Sample ID: SS-13-081716

Lab Sample ID: 480-104754-14

Date Collected: 08/17/16 16:05

Matrix: Solid

Date Received: 08/18/16 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	316750	08/19/16 01:10	CSW	TAL BUF

Client Sample ID: SS-13-081716

Lab Sample ID: 480-104754-14

Date Collected: 08/17/16 16:05

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 86.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			317219	08/23/16 06:20	ARS	TAL BUF
Total/NA	Analysis	8270D		1	317371	08/24/16 02:52	DMR	TAL BUF
Total/NA	Prep	3550C			317014	08/22/16 07:09	CAM	TAL BUF
Total/NA	Analysis	8081B		1	317446	08/24/16 16:32	MAN	TAL BUF
Total/NA	Prep	3550C			317115	08/22/16 11:18	CAM	TAL BUF
Total/NA	Analysis	8082A		1	317189	08/23/16 00:42	JMO	TAL BUF
Total/NA	Prep	3050B			316858	08/19/16 12:47	RMZ	TAL BUF
Total/NA	Analysis	6010C		1	317229	08/23/16 01:48	AMH	TAL BUF
Total/NA	Prep	7471B			316848	08/19/16 12:00	JRK	TAL BUF
Total/NA	Analysis	7471B		1	316951	08/19/16 15:59	JRK	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Client Sample ID: SS-14-081716

Lab Sample ID: 480-104754-15

Date Collected: 08/17/16 16:30

Matrix: Solid

Date Received: 08/18/16 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	316750	08/19/16 01:10	CSW	TAL BUF

Client Sample ID: SS-14-081716

Lab Sample ID: 480-104754-15

Date Collected: 08/17/16 16:30

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 88.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			317409	08/24/16 06:45	CAM	TAL BUF
Total/NA	Analysis	8270D		5	317601	08/25/16 11:17	CAV	TAL BUF
Total/NA	Prep	3550C			317014	08/22/16 07:09	CAM	TAL BUF
Total/NA	Analysis	8081B		1	317635	08/25/16 11:13	MAN	TAL BUF
Total/NA	Prep	3550C			317115	08/22/16 11:18	CAM	TAL BUF
Total/NA	Analysis	8082A		1	317189	08/23/16 00:57	JMO	TAL BUF
Total/NA	Prep	3050B			316858	08/19/16 12:47	RMZ	TAL BUF
Total/NA	Analysis	6010C		1	317229	08/23/16 01:51	AMH	TAL BUF
Total/NA	Prep	7471B			316848	08/19/16 12:00	JRK	TAL BUF
Total/NA	Analysis	7471B		1	316951	08/19/16 16:01	JRK	TAL BUF

Client Sample ID: SS-15-081716

Lab Sample ID: 480-104754-16

Date Collected: 08/17/16 16:50

Matrix: Solid

Date Received: 08/18/16 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	316750	08/19/16 01:10	CSW	TAL BUF

Client Sample ID: SS-15-081716

Lab Sample ID: 480-104754-16

Date Collected: 08/17/16 16:50

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 89.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			317409	08/24/16 06:45	CAM	TAL BUF
Total/NA	Analysis	8270D		5	317601	08/25/16 11:43	CAV	TAL BUF
Total/NA	Prep	3550C			317014	08/22/16 07:09	CAM	TAL BUF
Total/NA	Analysis	8081B		20	317635	08/25/16 11:33	MAN	TAL BUF
Total/NA	Prep	3550C			317115	08/22/16 11:18	CAM	TAL BUF
Total/NA	Analysis	8082A		1	317189	08/23/16 01:13	JMO	TAL BUF
Total/NA	Prep	3050B			316858	08/19/16 12:47	RMZ	TAL BUF
Total/NA	Analysis	6010C		1	317229	08/23/16 01:55	AMH	TAL BUF
Total/NA	Prep	7471B			316848	08/19/16 12:00	JRK	TAL BUF
Total/NA	Analysis	7471B		1	316951	08/19/16 16:02	JRK	TAL BUF

Lab Chronicle

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Client Sample ID: SS-16-081716

Lab Sample ID: 480-104754-17

Date Collected: 08/17/16 17:10

Matrix: Solid

Date Received: 08/18/16 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	316750	08/19/16 01:10	CSW	TAL BUF

Client Sample ID: SS-16-081716

Lab Sample ID: 480-104754-17

Date Collected: 08/17/16 17:10

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 87.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			317409	08/24/16 06:45	CAM	TAL BUF
Total/NA	Analysis	8270D		5	317601	08/25/16 12:10	CAV	TAL BUF
Total/NA	Prep	3550C			317014	08/22/16 07:09	CAM	TAL BUF
Total/NA	Analysis	8081B		1	317635	08/25/16 11:52	MAN	TAL BUF
Total/NA	Prep	3550C			317115	08/22/16 11:18	CAM	TAL BUF
Total/NA	Analysis	8082A		1	317189	08/23/16 01:59	JMO	TAL BUF
Total/NA	Prep	3050B			316858	08/19/16 12:47	RMZ	TAL BUF
Total/NA	Analysis	6010C		1	317229	08/23/16 01:58	AMH	TAL BUF
Total/NA	Prep	7471B			316848	08/19/16 12:00	JRK	TAL BUF
Total/NA	Analysis	7471B		1	316951	08/19/16 16:04	JRK	TAL BUF

Client Sample ID: SS-17-081816

Lab Sample ID: 480-104754-18

Date Collected: 08/18/16 09:00

Matrix: Solid

Date Received: 08/18/16 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	316750	08/19/16 01:10	CSW	TAL BUF

Client Sample ID: SS-17-081816

Lab Sample ID: 480-104754-18

Date Collected: 08/18/16 09:00

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 89.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			317409	08/24/16 06:45	CAM	TAL BUF
Total/NA	Analysis	8270D		5	317601	08/25/16 12:36	CAV	TAL BUF
Total/NA	Prep	3550C			317014	08/22/16 07:09	CAM	TAL BUF
Total/NA	Analysis	8081B		10	317635	08/25/16 12:12	MAN	TAL BUF
Total/NA	Prep	3550C			317115	08/22/16 11:18	CAM	TAL BUF
Total/NA	Analysis	8082A		1	317189	08/23/16 02:14	JMO	TAL BUF
Total/NA	Prep	3050B			316858	08/19/16 12:47	RMZ	TAL BUF
Total/NA	Analysis	6010C		1	317229	08/23/16 02:02	AMH	TAL BUF
Total/NA	Prep	7471B			316848	08/19/16 12:00	JRK	TAL BUF
Total/NA	Analysis	7471B		1	316951	08/19/16 16:06	JRK	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Client Sample ID: SS-18-081816

Lab Sample ID: 480-104754-19

Date Collected: 08/18/16 09:40

Matrix: Solid

Date Received: 08/18/16 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	316750	08/19/16 01:10	CSW	TAL BUF

Client Sample ID: SS-18-081816

Lab Sample ID: 480-104754-19

Date Collected: 08/18/16 09:40

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 90.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			317409	08/24/16 06:45	CAM	TAL BUF
Total/NA	Analysis	8270D		5	317601	08/25/16 13:02	CAV	TAL BUF
Total/NA	Prep	3550C			317014	08/22/16 07:09	CAM	TAL BUF
Total/NA	Analysis	8081B		1	317635	08/25/16 12:31	MAN	TAL BUF
Total/NA	Prep	3550C			317236	08/23/16 07:23	CAM	TAL BUF
Total/NA	Analysis	8082A		1	317359	08/23/16 20:56	KS	TAL BUF
Total/NA	Prep	3050B			316858	08/19/16 12:47	RMZ	TAL BUF
Total/NA	Analysis	6010C		1	317229	08/23/16 02:05	AMH	TAL BUF
Total/NA	Prep	7471B			316848	08/19/16 12:00	JRK	TAL BUF
Total/NA	Analysis	7471B		1	316951	08/19/16 16:07	JRK	TAL BUF

Client Sample ID: SS-19-081816

Lab Sample ID: 480-104754-20

Date Collected: 08/18/16 10:00

Matrix: Solid

Date Received: 08/18/16 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	316750	08/19/16 01:10	CSW	TAL BUF

Client Sample ID: SS-19-081816

Lab Sample ID: 480-104754-20

Date Collected: 08/18/16 10:00

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 89.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			317409	08/24/16 06:45	CAM	TAL BUF
Total/NA	Analysis	8270D		5	317601	08/25/16 13:29	CAV	TAL BUF
Total/NA	Prep	3550C			317406	08/24/16 06:26	CAM	TAL BUF
Total/NA	Analysis	8081B		5	317635	08/25/16 14:48	MAN	TAL BUF
Total/NA	Prep	3550C			317236	08/23/16 07:23	CAM	TAL BUF
Total/NA	Analysis	8082A		1	317359	08/23/16 21:12	KS	TAL BUF
Total/NA	Prep	3050B			316858	08/19/16 12:47	RMZ	TAL BUF
Total/NA	Analysis	6010C		1	317229	08/23/16 02:19	AMH	TAL BUF
Total/NA	Prep	7471B			316849	08/19/16 12:00	JRK	TAL BUF
Total/NA	Analysis	7471B		1	316951	08/19/16 16:11	JRK	TAL BUF

Lab Chronicle

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Client Sample ID: SS-20-081816

Lab Sample ID: 480-104754-21

Date Collected: 08/18/16 10:20

Matrix: Solid

Date Received: 08/18/16 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	316750	08/19/16 01:10	CSW	TAL BUF

Client Sample ID: SS-20-081816

Lab Sample ID: 480-104754-21

Date Collected: 08/18/16 10:20

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 89.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			317409	08/24/16 06:45	CAM	TAL BUF
Total/NA	Analysis	8270D		5	317601	08/25/16 13:55	CAV	TAL BUF
Total/NA	Prep	3550C			317406	08/24/16 06:26	CAM	TAL BUF
Total/NA	Analysis	8081B		5	317635	08/25/16 15:08	MAN	TAL BUF
Total/NA	Prep	3550C			317236	08/23/16 07:23	CAM	TAL BUF
Total/NA	Analysis	8082A		1	317359	08/23/16 21:28	KS	TAL BUF
Total/NA	Prep	3050B			316858	08/19/16 12:47	RMZ	TAL BUF
Total/NA	Analysis	6010C		1	317229	08/23/16 02:22	AMH	TAL BUF
Total/NA	Prep	7471B			316849	08/19/16 12:00	JRK	TAL BUF
Total/NA	Analysis	7471B		1	316951	08/19/16 16:23	JRK	TAL BUF

Client Sample ID: SS-21-081816

Lab Sample ID: 480-104754-22

Date Collected: 08/18/16 10:40

Matrix: Solid

Date Received: 08/18/16 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	316750	08/19/16 01:10	CSW	TAL BUF

Client Sample ID: SS-21-081816

Lab Sample ID: 480-104754-22

Date Collected: 08/18/16 10:40

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 90.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			317409	08/24/16 06:45	CAM	TAL BUF
Total/NA	Analysis	8270D		5	317601	08/25/16 10:50	CAV	TAL BUF
Total/NA	Prep	3550C			317406	08/24/16 06:26	CAM	TAL BUF
Total/NA	Analysis	8081B		10	317635	08/25/16 14:28	MAN	TAL BUF
Total/NA	Prep	3550C			317236	08/23/16 07:23	CAM	TAL BUF
Total/NA	Analysis	8082A		1	317359	08/23/16 21:44	KS	TAL BUF
Total/NA	Prep	3050B			316858	08/19/16 12:47	RMZ	TAL BUF
Total/NA	Analysis	6010C		1	317229	08/23/16 02:26	AMH	TAL BUF
Total/NA	Prep	7471B			316849	08/19/16 12:00	JRK	TAL BUF
Total/NA	Analysis	7471B		1	316951	08/19/16 16:24	JRK	TAL BUF

Lab Chronicle

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Client Sample ID: SS-22-081816

Lab Sample ID: 480-104754-23

Date Collected: 08/18/16 11:15

Matrix: Solid

Date Received: 08/18/16 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	316750	08/19/16 01:10	CSW	TAL BUF

Client Sample ID: SS-22-081816

Lab Sample ID: 480-104754-23

Date Collected: 08/18/16 11:15

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 88.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			317409	08/24/16 06:45	CAM	TAL BUF
Total/NA	Analysis	8270D		5	317601	08/25/16 14:22	CAV	TAL BUF
Total/NA	Prep	3550C			317406	08/24/16 06:26	CAM	TAL BUF
Total/NA	Analysis	8081B		5	317635	08/25/16 15:27	MAN	TAL BUF
Total/NA	Prep	3550C			317236	08/23/16 07:23	CAM	TAL BUF
Total/NA	Analysis	8082A		1	317359	08/23/16 22:00	KS	TAL BUF
Total/NA	Prep	3050B			316858	08/19/16 12:47	RMZ	TAL BUF
Total/NA	Analysis	6010C		1	317229	08/23/16 02:43	AMH	TAL BUF
Total/NA	Prep	7471B			316849	08/19/16 12:00	JRK	TAL BUF
Total/NA	Analysis	7471B		1	316951	08/19/16 16:29	JRK	TAL BUF

Client Sample ID: SS-DUP2-081816

Lab Sample ID: 480-104754-24

Date Collected: 08/18/16 00:00

Matrix: Solid

Date Received: 08/18/16 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	316750	08/19/16 01:10	CSW	TAL BUF

Client Sample ID: SS-DUP2-081816

Lab Sample ID: 480-104754-24

Date Collected: 08/18/16 00:00

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 92.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			317409	08/24/16 06:45	CAM	TAL BUF
Total/NA	Analysis	8270D		5	317601	08/25/16 14:49	CAV	TAL BUF
Total/NA	Prep	3550C			317406	08/24/16 06:26	CAM	TAL BUF
Total/NA	Analysis	8081B		2	317635	08/25/16 15:47	MAN	TAL BUF
Total/NA	Prep	3550C			317236	08/23/16 07:23	CAM	TAL BUF
Total/NA	Analysis	8082A		1	317359	08/23/16 22:16	KS	TAL BUF
Total/NA	Prep	3050B			316858	08/19/16 12:47	RMZ	TAL BUF
Total/NA	Analysis	6010C		1	317229	08/23/16 02:47	AMH	TAL BUF
Total/NA	Prep	7471B			316849	08/19/16 12:00	JRK	TAL BUF
Total/NA	Analysis	7471B		1	316951	08/19/16 16:30	JRK	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Client Sample ID: SS-23-081816

Lab Sample ID: 480-104754-25

Date Collected: 08/18/16 11:45

Matrix: Solid

Date Received: 08/18/16 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	316750	08/19/16 01:10	CSW	TAL BUF

Client Sample ID: SS-23-081816

Lab Sample ID: 480-104754-25

Date Collected: 08/18/16 11:45

Matrix: Solid

Date Received: 08/18/16 14:45

Percent Solids: 88.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			317409	08/24/16 06:45	CAM	TAL BUF
Total/NA	Analysis	8270D		5	317601	08/25/16 15:15	CAV	TAL BUF
Total/NA	Prep	3550C			317406	08/24/16 06:26	CAM	TAL BUF
Total/NA	Analysis	8081B		2	317635	08/25/16 16:06	MAN	TAL BUF
Total/NA	Prep	3550C			317236	08/23/16 07:23	CAM	TAL BUF
Total/NA	Analysis	8082A		1	317359	08/23/16 22:32	KS	TAL BUF
Total/NA	Prep	3050B			316858	08/19/16 12:47	RMZ	TAL BUF
Total/NA	Analysis	6010C		1	317229	08/23/16 03:00	AMH	TAL BUF
Total/NA	Prep	7471B			316849	08/19/16 12:00	JRK	TAL BUF
Total/NA	Analysis	7471B		1	316951	08/19/16 16:32	JRK	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Laboratory: TestAmerica Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-17

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Method Summary

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

TestAmerica Job ID: 480-104754-1

Method	Method Description	Protocol	Laboratory
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
8081B	Organochlorine Pesticides (GC)	SW846	TAL BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
7471B	Mercury (CVAA)	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: GHD Services Inc.
Project/Site: 058507, GM-Lockport Soil Sampling

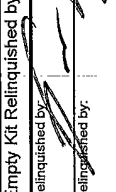
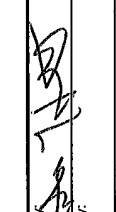
TestAmerica Job ID: 480-104754-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-104754-1	SS-1-081716	Solid	08/17/16 10:45	08/18/16 14:45
480-104754-2	SS-2-081716	Solid	08/17/16 11:25	08/18/16 14:45
480-104754-3	SS-3-081716	Solid	08/17/16 11:55	08/18/16 14:45
480-104754-4	SS-DUP1-081716	Solid	08/17/16 00:00	08/18/16 14:45
480-104754-5	SS-4-081716	Solid	08/17/16 12:25	08/18/16 14:45
480-104754-6	SS-5-081716	Solid	08/17/16 12:50	08/18/16 14:45
480-104754-7	SS-6-081716	Solid	08/17/16 13:10	08/18/16 14:45
480-104754-8	SS-7-081716	Solid	08/17/16 14:15	08/18/16 14:45
480-104754-9	SS-8-081716	Solid	08/17/16 14:35	08/18/16 14:45
480-104754-10	SS-9-081716	Solid	08/17/16 15:00	08/18/16 14:45
480-104754-11	SS-10-081716	Solid	08/17/16 15:15	08/18/16 14:45
480-104754-12	SS-11-081716	Solid	08/17/16 15:30	08/18/16 14:45
480-104754-13	SS-12-081716	Solid	08/17/16 15:50	08/18/16 14:45
480-104754-14	SS-13-081716	Solid	08/17/16 16:05	08/18/16 14:45
480-104754-15	SS-14-081716	Solid	08/17/16 16:30	08/18/16 14:45
480-104754-16	SS-15-081716	Solid	08/17/16 16:50	08/18/16 14:45
480-104754-17	SS-16-081716	Solid	08/17/16 17:10	08/18/16 14:45
480-104754-18	SS-17-081816	Solid	08/18/16 09:00	08/18/16 14:45
480-104754-19	SS-18-081816	Solid	08/18/16 09:40	08/18/16 14:45
480-104754-20	SS-19-081816	Solid	08/18/16 10:00	08/18/16 14:45
480-104754-21	SS-20-081816	Solid	08/18/16 10:20	08/18/16 14:45
480-104754-22	SS-21-081816	Solid	08/18/16 10:40	08/18/16 14:45
480-104754-23	SS-22-081816	Solid	08/18/16 11:15	08/18/16 14:45
480-104754-24	SS-DUP2-081816	Solid	08/18/16 00:00	08/18/16 14:45
480-104754-25	SS-23-081816	Solid	08/18/16 11:45	08/18/16 14:45

Chain of Custody Record

Client Information Client Contact: Mr. Tom Bohlen Company: GZA GeoEnvironmental, Inc. Address: 535 Washington Street 11th Floor City: Buffalo State, Zip: NY, 14203 Phone: Email: thomas.bohlen@gza.com Project Name: 058507_GM-Lockport Soil Sampling Site:		Sampler: P. Nyzyk Lab PM: Deyo, Melissa L E-Mail: melissa.deyo@testamericainc.com Phone: 716-517-5768 Carrier Tracking No(s): COC No: 480-86341-21089.1 Page: Page 1 of 4 Job #:	
Due Date Requested: TAT Requested (days): PO #: Purchase Order Requested WO #: 256030 Project #: 48014564 SSON#: 256030		Analysis Requested Total Number of Containers:	
Preservation Codes: A - HCL B - Nr C - Z D - N E - M F - M G - A H - A I - Ice J - DI K - EL L - EDA Other:		M - Hexane 480-104754 COC Z-omer (specif) hydrate	
Sample Identification Sample ID: SS-1-081716 SS-2-081716 SS-3-081716 SS-DUP1-081716 SS-4-081716 SS-5-081716 SS-6-081716 SS-7-081716 SS-8-081716 SS-9-081716 SS-10-081716		Sample Date: 8-17-16 Sample Time: 1045 1125 1155 - 1225 1250 1310 1415 1435 1500 1515	
Matrix (If water, specify, otherwise, specify): Preservation Code:		Matrix: Solid Preservation Code:	
Sample Type (C=Comp, G=grab) Preservation Code:		Sample Type: C Preservation Code:	
Filtered Sample (Yes or No) MS/MSD (Yes or No)		Filtered Sample: N MS/MSD: N	
8260C - VOCs 8260C - VOCs 8081B, 8082A, 8270D 8010C, 747B		8260C - VOCs 8260C - VOCs 8081B, 8082A, 8270D 8010C, 747B	
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological		Special Instructions/Note: MS/MSD	
Deliverable Requested: I, II, III, IV, Other (specify)		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months	
Empty Kit Relinquished by: Relinquished by: [Signature] Date/Time: 8-18-16/1445 Company: GZA		Method of Shipment: Received by: [Signature] Date/Time: 8/18/16 1445 Company: JTB Bafi	
Relinquished by: Date/Time: Company:		Received by: Date/Time: Company:	
Relinquished by: Date/Time: Company:		Received by: Date/Time: Company:	
Custody Seal Intact: Yes <input type="checkbox"/> No <input type="checkbox"/>		Cooler Temperature(s) °C and Other Remarks: 21.3.6 #	

Chain of Custody Record

Client Information Client Contact: Mr. Tom Bohlen Company: GZA GeoEnvironmental, Inc. Address: 535 Washington Street 11th Floor City: Buffalo State, Zip: NY, 14203 Phone: Email: thomas.bohlen@gza.com Project Name: 058507, GM-Lockport Soil Sampling Site:		Lab PM: Deyo, Melissa L E-Mail: melissa.deyo@testamericainc.com Carmer Tracking No(s): COC No: 480-86341-21089.2 Page: Page 2 of 4 Job #:	
Due Date Requested: TAT Requested (days): PO #: Purchase Order Requested WO #: 256030 Project #: 48014564 SSOW#:		Analysis Requested 8260C - VOCs 8260C - VOCs 8081B, 8082A, 8270D 8010C, 7471B 8260C - VOCs	
Sample Identification SS-11-081716 SS-12-081716 SS-13-081716 SS-14-081716 SS-15-081716 SS-16-081716		Field Filtered Sample (Yes or No) Matrix (W=Water, S=solid, O=soil, BT=tesla, A=Air) Sample Type (C=Comp, G=Grab) Sample Date Sample Time Preservation Code: Solid Solid Solid Solid Solid Solid	
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological			
Deliverable Requested: I, II, III, IV, Other (specify)			
Empty Kit Relinquished by:			
Relinquished by:  Date/Time: 8-18-06 / 1445		Received by:  Date/Time: 8/18/16 / 1245	
Relinquished by:		Received by:	
Relinquished by:		Received by:	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Cooler Temperature(s) °C and Other Remarks: 21.316 #	



TestAmerica Buffalo
 10 Hazelwood Drive
 Amherst, NY 14228-2298
 Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

TestAmerica
 THE LEADER IN ENVIRONMENTAL TESTING

Client Information Client Contact: Mr. Tom Bohlen Company: GZA GeoEnvironmental, Inc. Address: 535 Washington Street 11th Floor City: Buffalo State: Zn NY, 14203 Phone: Email: thomas.bohlen@gza.com Project Name: 058507, GM-Loopport Soil Sampling Site:		Lab P#: Deyo, Melissa L E-Mail: melissa.deyo@testamericainc.com Carrier Tracking No(s): Lab P#: 716-517-5108 Phone:		COC No: 480-86341-21089-3 Page: Page 3 of 4 Job #:																	
Due Date Requested: TAT Requested (days): PO #: Purchase Order Requested WO #: 256030 Project #: 48014564 SSOW#: 256030		Analysis Requested 6010C, 7471B 8081B, 8082A, 8270D 8280C - VOCs 8280C - VOCs																			
Sample Identification Sample Date Sample Time Sample Type (C=Comp, G=grab) Matrix (W=water, S=solid, O=soil, B=soil, T=tissue, A=air) Preservation Code:		Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No) Total Number of Containers Special Instructions/Note:																			
SS-17-081816	8-18-16	900	C	Solid	N	N	N	N	N	X											
SS-18-081816		940		Solid	N	N	N	N	N	X											
SS-17-081816		1000		Solid	N	N	N	N	N	X											
SS-20-081816		1020		Solid	N	N	N	N	N	X											
SS-21-081816		1040		Solid	N	N	N	N	N	X											
SS-22-081816		1115		Solid	N	N	N	N	N	X											
SS-DUP2-081816				Solid	N	N	N	N	N	X											
SS-23-081816		1145		Solid	N	N	N	N	N	X											
				Solid																	
				Solid																	
				Solid																	
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months																			
Deliverable Requested: I, II, III, IV, Other (specify)		Special Instructions/QC Requirements:																			
Empty Kit Relinquished by:		Method of Shipment:																			
Relinquished by:		Date: 8-18-16 1445		Company: GZA																	
Relinquished by:		Date:		Company:																	
Relinquished by:		Date:		Company:																	
Custody Seals Intact: Δ Yes Δ No		Custody Seal No.: 213167		Cooler Temperature(s) °C and Other Remarks:																	



Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 480-104754-1

Login Number: 104754

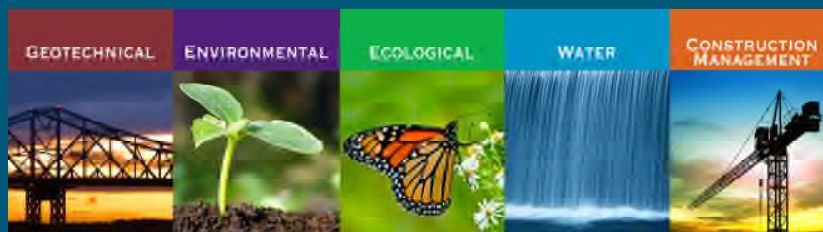
List Source: TestAmerica Buffalo

List Number: 1

Creator: Kolb, Chris M

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





GZA GeoEnvironmental, Inc.