APPENDICES

Phase II Property Assessment

for

Summit Lake, Akron, Ohio

Prepared for:

Partners Environmental LLC
31100 Solon Rd., Suite G
Solon, Ohio 44139

PARTNERS
AN ENVIRONMENTAL, ENGINEERING & SURVEYING FIRM

Project No.: 9338

Date: April 13, 2018

Prepared by:

EnviroScience
Excellence In Any Environment
5070 Stow Rd.
Stow, OH 44224
800-940-4025
www.EnviroScienceInc.com

Appendix A

Appendix B

Appendix C

Appendix_D_J80215-1 UDS Level 2 Report Rev(1) Final Report.pdf

1. Cover Page
2. Table of Contents
3. Definitions/Glossary
4. Case Narrative
5. Method Summary
6. Sample Summary
7. Detection Summary
8. Client Sample Results
9. Surrogate Summary
10. QC Sample Results
11. QC Association Summary
12. Lab Chronicle
13. Certification Summary
14. Chain of Custody
15. Receipt Checklists

Appendix_E_J80352-1 UDS Level 2 Report Rev(1) Final Report.pdf

1. Cover Page
2. Table of Contents
3. Definitions/Glossary
4. Case Narrative
5. Method Summary
6. Sample Summary
7. Detection Summary
8. Client Sample Results
9. Surrogate Summary

10. QC Sample Results
11. QC Association Summary
12. Lab Chronicle
13. Certification Summary
14. Chain of Custody
15. Receipt Checklists

Appendix_F_J80547-1 UDS Level 2 Report Final Report.pdf

1. Cover Page
2. Table of Contents
3. Definitions/Glossary
4. Case Narrative
5. Method Summary
6. Sample Summary
7. Detection Summary
8. Client Sample Results
9. Surrogate Summary
10. QC Sample Results
11. QC Association Summary
12. Lab Chronicle
13. Certification Summary
14. Chain of Custody
15. Receipt Checklists

Appendix_G_J82589-1 UDS Level 2 Report Final Report.pdf

1. Cover Page
2. Table of Contents
3. Definitions/Glossary
4. Case Narrative
5. Method Summary
6. Sample Summary

7. Detection Summary
8. Client Sample Results
9. Surrogate Summary
10. QC Sample Results
11. QC Association Summary
12. Lab Chronicle
13. Certification Summary
14. Chain of Custody
15. Receipt Checklists

Appendix H
Appendix I
Appendix J
Appendix K
Appendix L
Appendix M
Appendix N
Appendix O
Appendix P
Appendix Q
Appendix R
Appendix S
Appendix T
Appendix U
Appendix V
Appendix W
Appendix X
Appendix Y

Appendix A. Field Forms for the Collection of Water Samples from Summit Lake

Page Intentionally Blank

EnviroScience Field Chemistry Data Sheet

Project ID: 9338/Partners Env. **Date:** 6/7/17

Field Crew: Paul Anderson, Alex Valigosky

Location: Summit Lake

Station	Depth (meters)	Time	Water Temp (°C)	pH (SU)	Dissolved Oxygen (mg/L)	Specific Conductivity (µS/cm)	Chemistry Sample ID
Canal @ South Ave.	0.513	1242	20.2	8.19	7.84/86.7%	824	W-5
Canal @ Kenmore	0.509	1314	20.0	7.82	5.49/60.5%	884	W-4
Summit Lake L-1	0.5	1343	20.7	8.43	9.33/104.3%	824	W-1/W-2
	11.0	1346	7.7	7.45	0.33/2.8%	1133	W-3 (comp)
	10.0	1347	7.8	7.46	0.20/1.7%	1130	W-3 (comp)
	9.0	1348	7.9	7.47	0.14/1.2%	1127	
	8.0	1349	8.5	7.48	0.10/0.8%	1113	
	7.0	1351	9.8	7.48	0.06/0.6%	1072	
	6.0	1352	12.5	7.45	0.06/0.6%	958	
	5.0	1353	15.9	7.44	0.07/0.7%	904	
	4.5	1355	19.0	7.66	2.94/31.8%	874	
	4.0	1357	20.0	7.88	5.36/59.1%	851	
	3.0	1359	20.5	8.40	8.98/100.0%	827	
	2.0	1359	20.7	8.42	9.11/101.7%	828	
	1.0	1400	20.7	8.42	9.17/102.5%	829	
L-1 Duplicate	0.5	1401	20.7	8.43	9.23/103.2%	829	W-1/W-2

Comments and Other Measurements:

Canal @ South AVE. GPS Unit: 41.06131382°N/81.54219870°W Data Stored Y/N: N File Name:

Secchi Disk (m): N/A see below PW Photos Taken Y/N: Y Camera ID: Paul's Fujifilm XP

Field Meter ID: DSS Pro ESI Data Stored Y/N: N File Name:

Comments: Canal @ Kenmore GPS: 41.04831836°N 81.54379084°W
Paul measures secchi @ 1.25

Field Manager Signature: [signature]

EnviroScience
Excellence In Any Environment

EnviroScience Field Chemistry Data Sheet

Project ID: Partners - Summit Lake 9338 **Date:** 7-19-2017

Field Crew: P. Anderson, A. Valigosky, R. Vince (Partners)

Location: Summit Lake

Station	Depth (meters)	Time	Water Temp (°C)	pH (SU)	Dissolved Oxygen (mg/L)	Specific Conductivity (µS/cm)	Chemistry Sample ID	
Canal @ Kinnare	0.5	11:05	27.4	7.74	590 / 147%	746	W-4	CHLOR "B"
Summit L-1	max = 10.0m	13:00	Profile		in meter			
Summit L-1 Bottom	9.00	13:00					W-3	
Summit L-1 Surf	0.5	13:15					W-1	Chlor "A"
Ohio Creek Southlake	0.5	13:55	28.9	8.76	13.67 / 178.1	680	W-5	Chlor "C"
Summit L Boat Ramp	0.5	14:30	← No		Readings →		E coli only	
Duplicate								

Comments and Other Measurements: Profile at Station L-1 on Sheet 2 of 2
Total Z = 10.0 m

GPS Unit: None — Data Stored Y/N: — — File Name: —

Secchi Disk (m): 1.09 m — Photos Taken Y/N: Y — Camera ID: Anderson - Digital

Field Meter ID: Pro DSS — Data Stored Y/N: Y — File Name: —

Comments: Water yellowish-green over Secchi disk. No hardness sample for L-1 Bottom
E.Coli times: W-3 = 11:45, W-1 = 13:15 W-4 = 13:55 W-5 = 14:30

Field Manager Signature: R Anderson

EnviroScience
Excellence In Any Environment

EnviroScience Field Chemistry Data Sheet

Project ID: Partners - Summit Lake - 9338 **Date:** 7-19-2017

Field Crew: P. Anderson, A. Valigosky, R. Vince (Partners)

Location: Summit Lake L-1

Station	Depth (meters)	Time	Water Temp (°C)	pH (SU)	Dissolved Oxygen (mg/L)	Specific Conductivity (µS/cm)	Chemistry Sample ID
L-1	0.5	11:05	27.4	7.74	5.80 (74.7%)	746	L-1 Surface
	9.0	12:47	8.9	7.34	0.29 (2.5%)	970	L-1 Bottom
	8.0	12:48	9.4	7.38	0.23 (2.0%)	962	
	7.0	12:48	11.6	7.40	0.19 (1.8%)	917	
	6.0	12:49	16.1	7.43	0.18 (1.9%)	828	
	5.0	12:50	21.3	7.44	0.17 (2.0%)	678	
	4.0	12:51	24.8	7.54	0.86 (10.4%)	700	
	3.0	12:52	25.3	7.71	4.18 (51.0%)	699	
	2.0	12:54	26.0	8.25	9.03 (111.5%)	695	
↓	1.0	12:55	27.7	8.77	13.57 (172.8%)	690	
Duplicate	0.5	12:56	28.4	8.81	13.67 (176.3%)	682	L-1 Surface

Comments and Other Measurements: See Sheet 1 of 2 for more information

GPS Unit: _____ Data Stored Y/N: ___ File Name: _____

Secchi Disk (m): 1.09 Photos Taken Y/N: ___ Camera ID: _____

Field Meter ID: Pro DSS Data Stored Y/N: ___ File Name: _____

Comments: Data stored in meter - transcribed, download not functional
use "Duplicate" data for surface as meter appears to have not equilibrated for 0.5 m sample.

Field Manager Signature: P. Anderson

EnviroScience
Excellence In Any Environment

Page Intentionally Blank

Appendix B. Ohio EPA Incident Report for Oil Release to the Ohio & Erie Canal, July 2017

Page Intentionally Blank

EnviroScience Note: Narrative Case Log, Ohio EPA District Office Investigation Report.
Incident Number: 1706EPA0000454

Received from Larry Antonelli, Ohio EPA Emergency Response, Northeast District Office
October 26, 2017

June 29, 2017

14:10 hours: OSC Larry Antonelli, NEDO, was contacted by Duty Officer Todd Taylor regarding a citizen complaint of a petroleum sheen noticed on the Ohio and Erie Canal at Kenmore Boulevard and 1st street SW in Akron, Summit County. The OSC conducted an immediate field response to the incident, and coordinated with the Akron fire department (FD) and ODNR Ohio and Erie Canal Hydraulics Division manager, who also mobilized to the site.

14:30 hours: The OSC was contacted by Lieutenant Roy Wilkerson who stated that the observed sheen in the canal was contained by the Akron Fire and Hazmat Department on the east and west sides of the bridge at Kenmore Boulevard with soft boom.

16:22 hours: The OSC arrived at the scene and coordinated with Akron fire department (FD)/hazmat personnel (Roy Wilkinson), and Ohio Department of Natural Resources (ODNR) Ohio-Erie Canal Hydraulics Division (Joshua Garretson). Investigation of the light sheen of fuel on the canal surface did not yield a source. A small drainage inlet appeared to be the source of the sheen based on visual observation. A junk/scrap yard adjacent to the canal and drainage inlet was inspected by the OSC which also did not yield any sources of petroleum on the property. The small drainage that discharges to the canal was also inspected up to a culvert outfall. No petroleum or oil products were noted in the ditch or at the outfall. The storm sewer system was also inspected upstream of the ditch with no oil or petroleum products observed. The containment boom on the west side (furthest downstream) of the bridge was placed at the mouth of Summit Lake which prohibited further migration to the lake. The incident area is downstream from two (2) previously investigated releases of similar nature by DERIE for which no source was identified. The OSC contacted Mr. Daniel Joseph with the City of Akron Sewer Department at 17:00 hours for assistance into investigating potential sources, and consultation regarding the storm sewer system configuration in the area. Based on the nature of the sheen, it is estimated that the release was less than five (5) gallons. No free product was noted on the canal surface. The OSC departed the scene at 18:12 hours.

June 30, 2017

07:20 hours: The OSC met with Mr. Joseph to conduct a follow up inspection of the scene and evaluate the condition of the canal as well as the nature of the sheen, and to further investigate potential sources. The sheen was still present, but further

investigation of the junk yard, storm sewer, and the adjacent drainage ditch did not yield the source of the release. The containment booms established at the two (2) locations in the canal were also inspected. The OSC observed a diminished sheen on the canal. The containment booms deployed by the Akron Fire Department were sufficiently capturing the residual fuel in the waterway. The OSC departed the scene at 08:42 hours.

July 5, 2017

09:30 hours: The OSC was contacted by Daniel Joseph, Supervisor with the city of Akron Sewer Department who stated that they allocated assets for a cleanup of the water way scheduled for the morning of July 7, 2017. Mr. Joseph stated they would mobilize a 3,000-gallon capacity vacuum truck for the cleanup and access the waterway from the Kenmore Boulevard bridge where it crosses the canal.

July 7, 2017

07:18 hours: The OSC arrived at the scene and met with Mr. Joseph who mobilized the vacuum truck for the cleanup. Operations began at 08:00 hours and cleanup was completed by 09:10 hours. The confluence area of the drainage ditch and the canal was also vacuumed. No observable sheen was apparent on the canal after the cleanup, and the source appeared to be a one (1) time event and not a continuous release.

July 10, 2017

07:30 hours: The OSC returned to the scene to inspect the condition of the canal. No sheen or fuel was present on the waterway. The OSC departed the scene at 08:40 hours.

July 31, 2017

07:15 hours: The OSC conducted a final follow up inspection of the area due to heavy rains experienced, and noted that no sheen was present on the waterway. The OSC photographed the scene and departed at 07:50 hours.

August 24, 2017

The OSC completed the IIR, narrative, and photo-log for the incident and submitted it to the work flow review group. Incident photographs were transferred to the P1 electronic storage database.

Ohio Environmental Protection Agency
District Office Investigation Report - Photograph Log
Incident Number: 1706EPA0000454

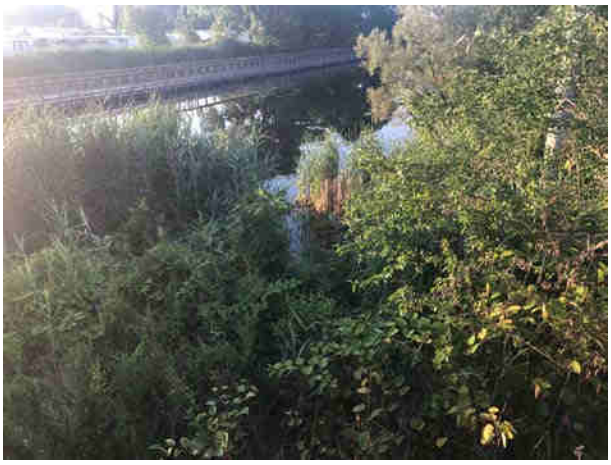
NAME:	170454 -001	NAME:	170454 -002
			
Taken by:	OSC ANTONELLI	Taken by:	OSC ANTONELLI
Date:	June 29, 2017	Date:	June 29, 2017
Description	Sheen on canal	Description	FD containment of sheen

NAME:	170454 -003	NAME:	170454 -004
			
Taken by:	OSC ANTONELLI	Taken by:	OSC ANTONELLI
Date:	June 29, 2017	Date:	June 29, 2017
Description	Second set of booms	Description	Small inlet into canal

NAME:	170454 -005	NAME:	170454 -006
			
Taken by:	OSC ANTONELLI	Taken by:	OSC ANTONELLI
Date:	June 29, 2017	Date:	June 29, 2017
Description	Canal sheen at inlet	Description	Sheen on canal near inlet

NAME:	170454 -007	NAME:	170454 -008
			
Taken by:	OSC ANTONELLI	Taken by:	OSC ANTONELLI
Date:	June 29, 2017	Date:	June 29, 2017
Description	Sheen on canal	Description	Canal sheen near inlet

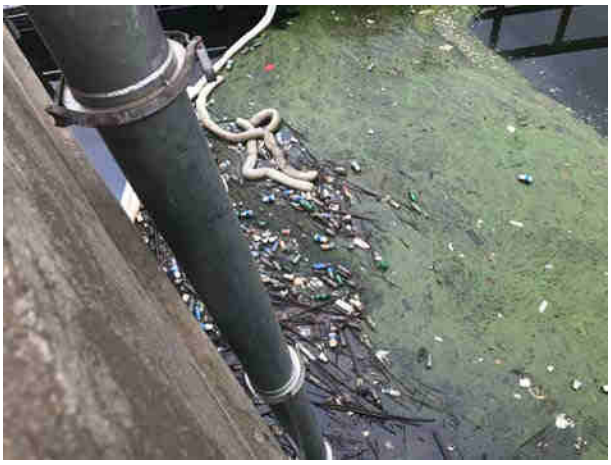
NAME:	170454 -009	NAME:	170454 -010
			
Taken by:	OSC ANTONELLI	Taken by:	OSC ANTONELLI
Date:	June 29, 2017	Date:	June 30, 2017
Description	Clear/no sheen up from inlet	Description	Sheen on canal

NAME:	170454 -011	NAME:	170454 -012
			
Taken by:	OSC ANTONELLI	Taken by:	OSC ANTONELLI
Date:	June 30, 2017	Date:	June 30, 2017
Description	Sheen on canal	Description	

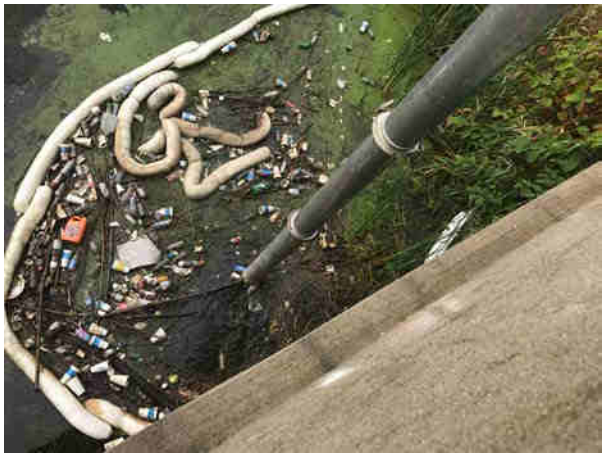
NAME:	170454 -013	NAME:	170454 -014
			
Taken by:	OSC ANTONELLI	Taken by:	OSC ANTONELLI
Date:	June 30, 2017	Date:	June 30, 2017
Description		Description	

NAME:	170454 -015	NAME:	170454 -017
			
Taken by:	OSC ANTONELLI	Taken by:	OSC ANTONELLI
Date:	July 7, 2017	Date:	July 7, 2017
Description		Description	

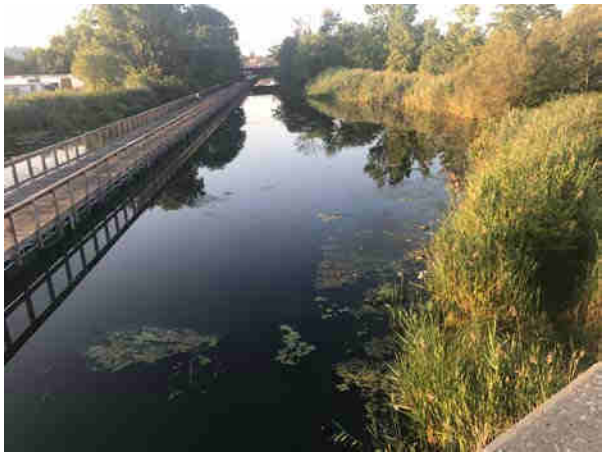
NAME:	170454 -017	NAME:	170454 -018
			
Taken by:	OSC ANTONELLI	Taken by:	OSC ANTONELLI
Date:	July 7, 2017	Date:	July 7, 2017
Description		Description	

NAME:	170454 -019	NAME:	170454 -020
			
Taken by:	OSC ANTONELLI	Taken by:	OSC ANTONELLI
Date:	July 7, 2017	Date:	July 7, 2017
Description		Description	

NAME:	170454 -021	NAME:	170454 -022
			
Taken by:	OSC ANTONELLI	Taken by:	OSC ANTONELLI
Date:	July 7, 2017	Date:	July 7, 2017
Description		Description	

NAME:	170454 -023	NAME:	170454 -024
			
Taken by:	OSC ANTONELLI	Taken by:	OSC ANTONELLI
Date:	July 7, 2017	Date:	July 7, 2017
Description		Description	

NAME:	170454 -025	NAME:	170454 -026
			
Taken by:	OSC ANTONELLI	Taken by:	OSC ANTONELLI
Date:	July 31, 2017	Date:	July 31, 2017
Description		Description	

NAME:	170454 -027	NAME:	170454 -028
			
Taken by:	OSC ANTONELLI	Taken by:	OSC ANTONELLI
Date:	July 31, 2017	Date:	July 31, 2017
Description		Description	

Page Intentionally Blank

Appendix C. Field Forms for the Collection of Sediment Samples from Summit Lake

Page Intentionally Blank

Sediment Sampling Data Sheet

EnviroScience

Project: Partners Env. 9338 Task: 3C

Date: 06/06/2017 (mm/dd/yyyy) Time: 0950 (hh:mm) Project Manager: Paul Anderson

Collector(s): DA, AV

Weather Conditions:

Sample Location Description: (Provide site diagram on opposite side or attach site map showing location)

Waterbody Name: Summit Lake River Mile or Site ID: A50

GPS Waypoint: A50 Latitude: 41.049606 (dd.ddddd) Longitude: 81.544417 (ddd.ddddd)

GPS Model/ID: Trimble Geo 7X 2D / 3D (circle) Error: _____ feet / meters (circle)

Coordinate System: NAD Site Description:

Ambient Site Information (water):

Conductivity: 794 Units: mS/cm Dissolved Oxygen: 11.05 (mg/l) 127.2% pH: 8.08 (S.U.) Temperature: 21.0 (°C)

Meter Model or ID: DSS Pro Current Velocity (fps): _____ 3.0 ft

Sediment Collection Information:

Water Depth: 4.0 (ft or m) Sediment Sample Depth: Total 9.55 (ft or cm) Sample Type: Grab ☐ Composite ☐

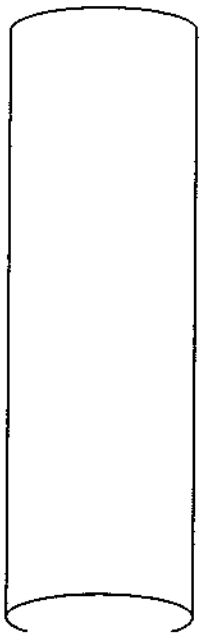
Collection Device: Scoop ☐ Eckman Dredge ☐ Corer ☒ Other ☐ Describe: _____

Sample ID(s): SS1 / MSD / MS / _____

Sample Replicate Collected? YES or NO Sample Duplicate Collected? YES or NO

Replicate ID/Name: MS/MSD Duplicate ID/Name: _____

Laboratory: Test America Parameters: _____



Depths (cm)	Texture	Color	Odor	Sample ID
45	Muck	very dark olive/black	Slight oil/organic decomposing	~~A50~~ AV
33				SS1
36		GLEY2 2.5/5B	slight oil sheen	
32				

Sediment Sampling Data Sheet

EnviroScience

Sediment Texture Categories:

Sand: Particles 0.06-2.0 mm in diameter, possessing a gritty texture when rubbed between fingers. Loose materials (not cohesive) that often cannot be molded into shapes (non-plastic).

Silt: Particles 0.004-0.06 mm in diameter, generally fine material possessing a greasy or smooth, talc-like feel when rubbed between fingers. Non-plastic and not cohesive.

Clay: Particles less than 0.004 mm in diameter, which forms a dense, gummy surface that is difficult to penetrate with tools (hardpan). Clay is both plastic and cohesive.

Marl: Calcium carbonate, usually greyish-white, often containing fragments of mollusk shells.

Detritus: Dead, unconsolidated organic material including sticks, wood, leaves, and other partially decayed coarse plant material.

Peat: Partially decomposed plant materials characterized by an acidic pH; parts of plants such as *Sphagnum* moss sometimes visible.

Muck: Black, extremely fine, flocculent material composed of completely decomposed organic material (excluding sewage).

Sludge: Organic matter that is decidedly of human or animal origin (including manure and sewage).

Site Comments/Observations:

_____

_____

_____

Site Drawing (include landmarks and sample location(s):

Sediment Sampling Data Sheet

EnviroScience

Project: Partners Env. 9338 Task: _____

Date: 06/01/2017 (mm/dd/yyyy) Time: 1040 (hh:mm) Project Manager: Paul Anderson

Collector(s): AV, PA RDV

Weather Conditions: Sunny 23°C

Sample Location Description: (Provide site diagram on opposite side or attach site map showing location)

Waterbody Name: Summit Lake River Mile or Site ID: A27

GPS Waypoint: A27 Latitude: 41.050036.9 (dd.ddddd) Longitude: 81.543588 (ddd.ddddd)

GPS Model/ID: Trimble Geo 7X 2D / 3D (circle) Error: _____ feet / meters (circle)

Coordinate System: NAD Site Description: _____

Ambient Site Information (water):

Conductivity: 808 Units: ms/cm Dissolved Oxygen: 7.38 (mg/l) 83.0% pH: 7.90 (S.U.) Temperature: 21.4 (°C)

Meter Model or ID: DSSPro Current Velocity (fps): _____ depth 2.4 ft

Sediment Collection Information:

Water Depth: 3.9 (ft or m) Sediment Sample Depth: 4.3 (ft or cm) Total Sample Type: Grab ☐ Composite ☒

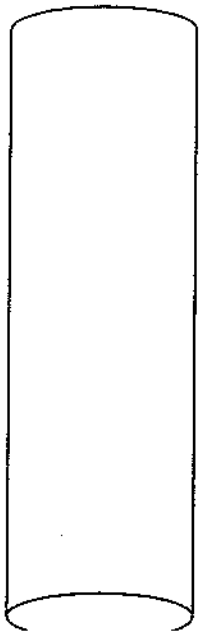
Collection Device: Scoop ☐ Eckman Dredge ☐ Corer ☒ Other ☐ Describe: _____

Sample ID(s): SS2 / _____ / _____ / _____

Sample Replicate Collected? YES or NO Sample Duplicate Collected? YES or NO

Replicate ID/Name: _____ Duplicate ID/Name: _____

Laboratory: _____ Parameters: _____



Depths (cm)	Texture	Color	Odor	Sample ID
0-5 cm 5-12 cm 12-40 cm	silty muck with some sand and detritus	5Y 2.5/1 olive	oil odor, with sheen	SS2

Sediment Sampling Data Sheet

EnviroScience

Sediment Texture Categories:

Sand: Particles 0.06-2.0 mm in diameter, possessing a gritty texture when rubbed between fingers. Loose materials (not cohesive) that often cannot be molded into shapes (non-plastic).

Silt: Particles 0.004-0.06 mm in diameter, generally fine material possessing a greasy or smooth, talc-like feel when rubbed between fingers. Non-plastic and not cohesive.

Clay: Particles less than 0.004 mm in diameter, which forms a dense, gummy surface that is difficult to penetrate with tools (hardpan). Clay is both plastic and cohesive.

Marl: Calcium carbonate, usually greyish-white, often containing fragments of mollusk shells.

Detritus: Dead, unconsolidated organic material including sticks, wood, leaves, and other partially decayed coarse plant material.

Peat: Partially decomposed plant materials characterized by an acidic pH; parts of plants such as *Sphagnum* moss sometimes visible.

Muck: Black, extremely fine, flocculent material composed of completely decomposed organic material (excluding sewage).

Sludge: Organic matter that is decidedly of human or animal origin (including manure and sewage).

Site Comments/Observations:

_____

_____

_____

Site Drawing (include landmarks and sample location(s):

Sediment Sampling Data Sheet

EnviroScience

Project: Partners Env. 9338 Task: _____

Date: 06/01/2017 (mm/dd/yyyy) Time: 1130 (hh:mm) Project Manager: Paul Anderson

Collector(s): PA, AV, RDV

Weather Conditions: Sunny

Sample Location Description: (Provide site diagram on opposite side or attach site map showing location)

Waterbody Name: Summit Lake River Mile or Site ID: A13

GPS Waypoint: A13 Latitude: 41.050493 (dd.ddddd) Longitude: 81.545056 (ddd.ddddd)

GPS Model/ID: TrimbleGeo 7X 2D / (3D) (circle) Error: _____ feet / meters (circle)

Coordinate System: NAD Site Description: _____

Ambient Site Information (water): 156%

Conductivity: 779 Units: mS/cm Dissolved Oxygen: 13.68 (mg/l) pH: 8.58 (S.U.) Temperature: 21.7 (°C)

Meter Model or ID: DSS Pro Current Velocity (fps): _____ 2.2 depth

Sediment Collection Information:

Water Depth: 3.9 (ft) or m Sediment Sample Depth: 6.05 (ft) or cm 9.95 − 3.9 = Sample Type: Grab ☐ Composite ☐

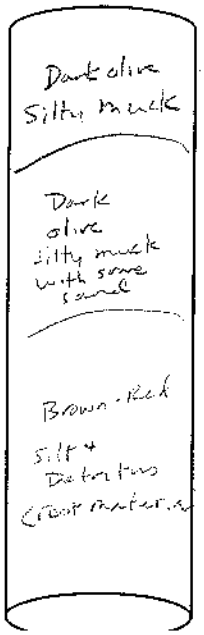
Collection Device: Scoop ☐ Eckman Dredge ☐ Corer ☐ Other ☐ Describe: _____

Sample ID(s): SS3 / _____ / _____ / _____

Sample Replicate Collected? YES or (NO) Sample Duplicate Collected? YES or (NO)

Replicate ID/Name: _____ Duplicate ID/Name: _____

Laboratory: _____ Parameters: _____



Depths (cm)	Texture	Color	Odor	Sample ID
27cm 28cm	0-12	5Y 3/2	H2S small	SS3
	12-20			
	20-28			

Sediment Sampling Data Sheet

EnviroScience

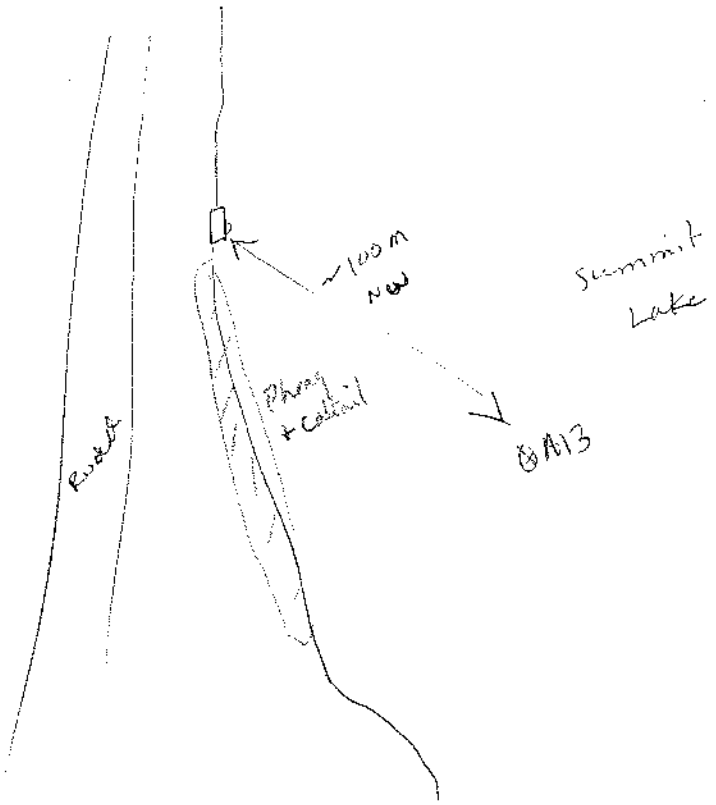
Sediment Texture Categories:

Sand:	Particles 0.06-2.0 mm in diameter, possessing a gritty texture when rubbed between fingers. Loose materials (not cohesive) that often cannot be molded into shapes (non-plastic).
Silt:	Particles 0.004-0.06 mm in diameter, generally fine material possessing a greasy or smooth, talc-like feel when rubbed between fingers. Non-plastic and not cohesive.
Clay:	Particles less than 0.004 mm in diameter, which forms a dense, gummy surface that is difficult to penetrate with tools (hardpan). Clay is both plastic and cohesive.
Marl:	Calcium carbonate, usually greyish-white, often containing fragments of mollusk shells.
Detritus:	Dead, unconsolidated organic material including sticks, wood, leaves, and other partially decayed coarse plant material.
Peat:	Partially decomposed plant materials characterized by an acidic pH; parts of plants such as *Sphagnum* moss sometimes visible.
Muck:	Black, extremely fine, flocculent material composed of completely decomposed organic material (excluding sewage).
Sludge:	Organic matter that is decidedly of human or animal origin (including manure and sewage).

Site Comments/Observations:

Reddish orange root material overlain by silty muck - H_2S odor in mid core

Site Drawing (include landmarks and sample location(s):



Sediment Sampling Data Sheet

EnviroScience

Project: Partners ENV 9338 Task: _____

Date: 06/01/2017 (mm/dd/yyyy) Time: 1210 (hh:mm) Project Manager: Paul Anderson

Collector(s): PA, AV, RDV

Weather Conditions: 24°C Sunny

Sample Location Description: (Provide site diagram on opposite side or attach site map showing location)

Waterbody Name: Summit Lake River Mile or Site ID: D77

GPS Waypoint: D77 Latitude: 41.051495 (dd.ddddd) Longitude: 81.544102 (ddd.ddddd)

GPS Model/ID: Trimble Geo7X 2D / (3D) (circle) Error: _____ feet / meters (circle)

Coordinate System: NAD Site Description: _____

Ambient Site Information (water):

Conductivity: 742 Units: mS/cm Dissolved Oxygen: 11.88 (mg/l) 136.2% pH: 8.56 (S.U.) Temperature: 22.0 (°C)

Meter Model or ID: DSS Pro Current Velocity (fps): _____ 3.5 depth

Sediment Collection Information: some stone/rock near refusal

Water Depth: 4.6 (ft) or m Sediment Sample Depth: 3.9 (ft) or cm Sample Type: Grab ☐ Composite ☐

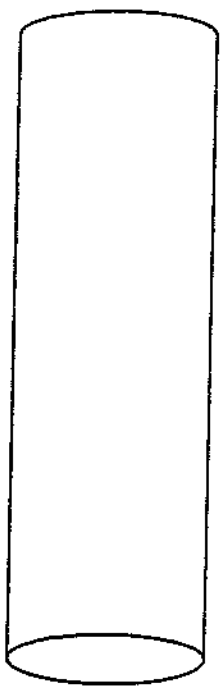
Collection Device: Scoop ☐ Eckman Dredge ☐ Corer ☐ Other ☐ Describe: _____

Sample ID(s): SS4 / _____ / _____ / _____

Sample Replicate Collected? YES or (NO) Sample Duplicate Collected? YES or ~~NO~~

Replicate ID/Name: _____ Duplicate ID/Name: _____

Laboratory: _____ Parameters: _____



Depths (cm)	Texture	Color	Odor	Sample ID
57cm 34cm	Muck with some Sand and Detritus	Olive-black Gley 1 2.5/ 5GY	Heavy oil smell + Sheen	SS4

Sediment Sampling Data Sheet

EnviroScience

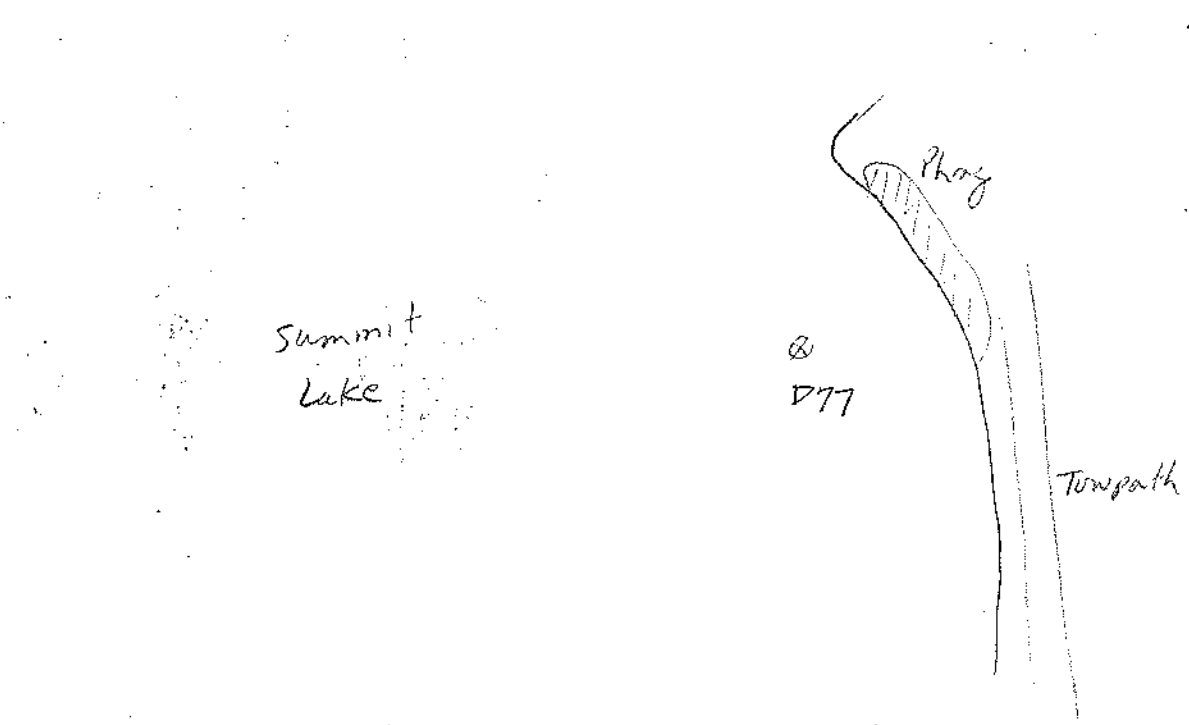
Sediment Texture Categories:

Sand:	Particles 0.06-2.0 mm in diameter, possessing a gritty texture when rubbed between fingers. Loose materials (not cohesive) that often cannot be molded into shapes (non-plastic).
Silt:	Particles 0.004-0.06 mm in diameter, generally fine material possessing a greasy or smooth, talc-like feel when rubbed between fingers. Non-plastic and not cohesive.
Clay:	Particles less than 0.004 mm in diameter, which forms a dense, gummy surface that is difficult to penetrate with tools (hardpan). Clay is both plastic and cohesive.
Marl:	Calcium carbonate, usually greyish-white, often containing fragments of mollusk shells.
Detritus:	Dead, unconsolidated organic material including sticks, wood, leaves, and other partially decayed coarse plant material.
Peat:	Partially decomposed plant materials characterized by an acidic pH; parts of plants such as *Sphagnum* moss sometimes visible.
Muck:	Black, extremely fine, flocculent material composed of completely decomposed organic material (excluding sewage).
Sludge:	Organic matter that is decidedly of human or animal origin (including manure and sewage).

Site Comments/Observations:

Heavy gelatanous material with strong pet smell & sheen.

Site Drawing (include landmarks and sample location(s):



Sediment Sampling Data Sheet

EnviroScience

Project: Partners Env 9378 Task: 3C

Date: 06/01/2017 (mm/dd/yyyy) Time: 1355 (hh:mm) Project Manager: Paul Anderson

Collector(s): PA, AV, RDV

Weather Conditions: partly cloudy 24

Sample Location Description: (Provide site diagram on opposite side or attach site map showing location)

Waterbody Name: Summit Lake River Mile or Site ID: B65

GPS Waypoint: B65 Latitude: 41.052689 (dd.ddddd) Longitude: 81.546862 (ddd.ddddd)

GPS Model/ID: Trimble Geo 7X 2D / 3D (circle) Error: _____ feet / meters (circle)

Coordinate System: NAD Site Description: _____

Ambient Site Information (water): 149.3 %

Conductivity: 783 Units: mS/cm Dissolved Oxygen: 13.04 (mg/l) pH: 8.68 (S.U.) Temperature: 22.0 (°C)

Meter Model or ID: DSS Pro Current Velocity (fps): _____ depth 3.3

Sediment Collection Information:

Water Depth: 4.0 (ft) or m Sediment ~~Sample~~ Total Depth: 4.0 (ft) or cm Sample Type: Grab ☐ Composite ☒

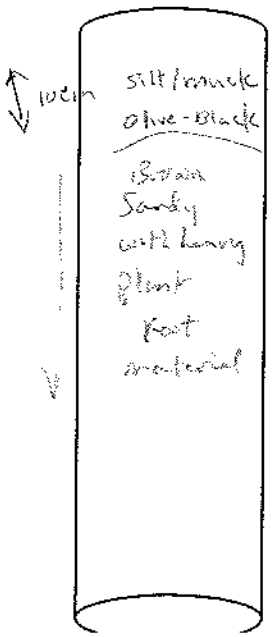
Collection Device: Scoop ☐ Eckman Dredge ☐ Corer ☒ Other ☐ Describe: _____

Sample ID(s): 555 / _____ / _____ / _____

Sample Replicate Collected? YES or NO Sample Duplicate Collected? YES or (NO)

Replicate ID/Name: 556 - Grid B65 Duplicate ID/Name: _____

Laboratory: _____ Parameters: _____



Depths (cm)	Texture	Color	Odor	Sample ID
29 27	~~dark~~ silty muck with sand and gravel Overlying 10cm brown sandy material w/ lots of plant roots, wet Cement consistency	dark olive	oil	555

Sediment Sampling Data Sheet

EnviroScience

Sediment Texture Categories:

Sand: Particles 0.06-2.0 mm in diameter, possessing a gritty texture when rubbed between fingers. Loose materials (not cohesive) that often cannot be molded into shapes (non-plastic).

Silt: Particles 0.004-0.06 mm in diameter, generally fine material possessing a greasy or smooth, talc-like feel when rubbed between fingers. Non-plastic and not cohesive.

Clay: Particles less than 0.004 mm in diameter, which forms a dense, gummy surface that is difficult to penetrate with tools (hardpan). Clay is both plastic and cohesive.

Marl: Calcium carbonate, usually greyish-white, often containing fragments of mollusk shells.

Detritus: Dead, unconsolidated organic material including sticks, wood, leaves, and other partially decayed coarse plant material.

Peat: Partially decomposed plant materials characterized by an acidic pH; parts of plants such as *Sphagnum* moss sometimes visible.

Muck: Black, extremely fine, flocculent material composed of completely decomposed organic material (excluding sewage).

Sludge: Organic matter that is decidedly of human or animal origin (including manure and sewage).

Site Comments/Observations:

_____

_____

_____

Site Drawing (include landmarks and sample location(s):

Sediment Sampling Data Sheet

EnviroScience

Project: Partners Env. 9338 Task: 3C

Date: 06/01/2017 (mm/dd/yyyy) Time: 1635 (hh:mm) Project Manager: Paul Anderson

Collector(s): PA, AV

Weather Conditions: partly cloudy 25°C

Sample Location Description: (Provide site diagram on opposite side or attach site map showing location)

Waterbody Name: Swan Harbor River Mile or Site ID: B65

GPS Waypoint: B65 Latitude: 41.052770 (dd.ddddd) Longitude: 81.546849 (ddd.ddddd)

GPS Model/ID: Trimble Geo 7X 2D / 3D (circle) Error: _____ feet / meters (circle)

Coordinate System: NAD Site Description: _____

Ambient Site Information (water):

Conductivity: 787 Units: mS/cm Dissolved Oxygen: 13.21 (mg/l) pH: 8.72 (S.U.) Temperature: 22.6 (°C)

153.6

Meter Model or ID: DSS Pro Current Velocity (fps): _____ depth 3.1

Sediment Collection Information:

Water Depth: 5.9 (ft) or m Sediment Sample Depth: 2.6 (ft) or cm Sample Type: Grab ☐ Composite ☐

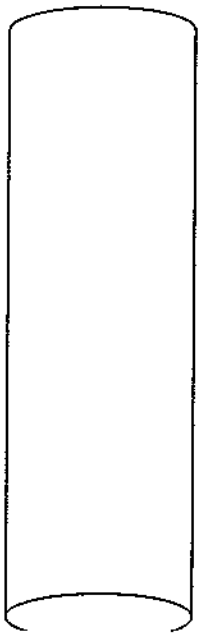
Collection Device: Scoop ☐ Eckman Dredge ☐ Corer ☒ Other ☐ Describe: _____

Sample ID(s): SS6 / _____ / _____ / _____

Sample Replicate Collected? YES or NO Sample Duplicate Collected? YES or NO

Replicate ID/Name: SS5 Grid B65 Duplicate ID/Name: _____

Laboratory: _____ Parameters: _____



Depths (cm)	Texture	Color	Odor	Sample ID
0 / 37	clay-ey Sand with silt and organics (muck)	dark olive		SS6

Sediment Sampling Data Sheet

EnviroScience

Sediment Texture Categories:

Sand: Particles 0.06-2.0 mm in diameter, possessing a gritty texture when rubbed between fingers. Loose materials (not cohesive) that often cannot be molded into shapes (non-plastic).

Silt: Particles 0.004-0.06 mm in diameter, generally fine material possessing a greasy or smooth, talc-like feel when rubbed between fingers. Non-plastic and not cohesive.

Clay: Particles less than 0.004 mm in diameter, which forms a dense, gummy surface that is difficult to penetrate with tools (hardpan). Clay is both plastic and cohesive.

Marl: Calcium carbonate, usually greyish-white, often containing fragments of mollusk shells.

Detritus: Dead, unconsolidated organic material including sticks, wood, leaves, and other partially decayed coarse plant material.

Peat: Partially decomposed plant materials characterized by an acidic pH; parts of plants such as *Sphagnum* moss sometimes visible.

Muck: Black, extremely fine, flocculent material composed of completely decomposed organic material (excluding sewage).

Sludge: Organic matter that is decidedly of human or animal origin (including manure and sewage).

Site Comments/Observations:

_____

_____

_____

Site Drawing (include landmarks and sample location(s):

Sediment Sampling Data Sheet

EnviroScience

Project: Partners Env 9338 Task: 3C

Date: 06/01/2017 (mm/dd/yyyy) Time: 1455 (hh:mm) Project Manager: Paul Anderson

Collector(s): PA, AV, RDV

Weather Conditions: Partly cloudy 25°C

Sample Location Description: (Provide site diagram on opposite side or attach site map showing location)

Waterbody Name: Summit Lake River Mile or Site ID: B12

GPS Waypoint: B12 Latitude: 41.057823 (dd.ddddd) Longitude: 81.548241 (ddd.ddddd)

GPS Model/ID: Trimble Geo 7X 2D / (3D) (circle) Error: _____ feet / meters (circle)

Coordinate System: NAD Site Description: _____

Ambient Site Information (water): 149.7%

Conductivity: 775 Units: mS/cm Dissolved Oxygen: 13.26 (mg/l) pH: 8.77 (S.U.) Temperature: 21.2 (°C)

Meter Model or ID: DSS Pro Current Velocity (fps): _____ 4.1 ft depth

Sediment Collection Information:

Water Depth: 5.9 (ft) or m Sediment Sample Depth: 7.2 (ft) or cm Sample Type: Grab ☐ Composite ☐

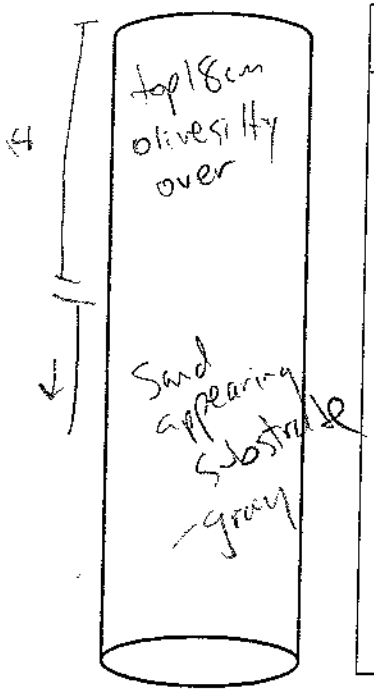
Collection Device: Scoop ☐ Eckman Dredge ☐ Corer ☒ Other ☐ Describe: _____

Sample ID(s): ~~SS~~ AV SS7 _____ / _____ / _____

Sample Replicate Collected? YES or (NO) Sample Duplicate Collected? YES or (NO)

Replicate ID/Name: _____ Duplicate ID/Name: _____

Laboratory: _____ Parameters: _____



Depths (cm)	Texture	Color	Odor	Sample ID
58.5 32	Dark olive silt + muck overlying sand	5Y 3/2		~~X~~ AV SS7

Sediment Sampling Data Sheet

EnviroScience

Sediment Texture Categories:

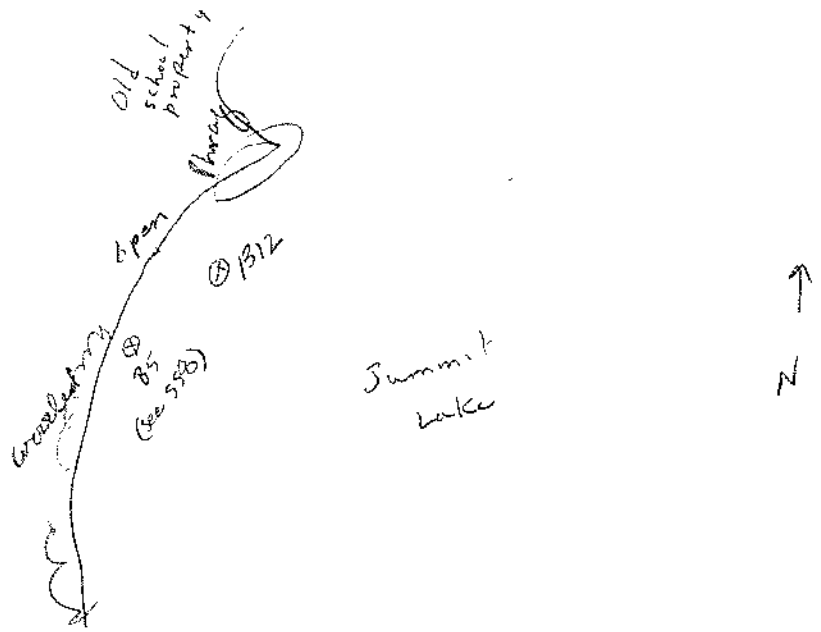
Sand:	Particles 0.06-2.0 mm in diameter, possessing a gritty texture when rubbed between fingers. Loose materials (not cohesive) that often cannot be molded into shapes (non-plastic).
Silt:	Particles 0.004-0.06 mm in diameter, generally fine material possessing a greasy or smooth, talc-like feel when rubbed between fingers. Non-plastic and not cohesive.
Clay:	Particles less than 0.004 mm in diameter, which forms a dense, gummy surface that is difficult to penetrate with tools (hardpan). Clay is both plastic and cohesive.
Marl:	Calcium carbonate, usually greyish-white, often containing fragments of mollusk shells.
Detritus:	Dead, unconsolidated organic material including sticks, wood, leaves, and other partially decayed coarse plant material.
Peat:	Partially decomposed plant materials characterized by an acidic pH; parts of plants such as *Sphagnum* moss sometimes visible.
Muck:	Black, extremely fine, flocculent material composed of completely decomposed organic material (excluding sewage).
Sludge:	Organic matter that is decidedly of human or animal origin (including manure and sewage).

Site Comments/Observations:

Site ~~B55~~ B16 Per was not within DQO's, switched to B23, B23 was too deep. Switched to selected Site B16. B16 too deep. Chose site B12 Replaced Site B16

Note B60 also too Deep

Site Drawing (include landmarks and sample location(s):



Sediment Sampling Data Sheet

EnviroScience

Project: Partners Env. Task: 3C

Date: 06 / 01 / 2017 (mm/dd/yyyy) Time: 1530 (hh:mm) Project Manager: Paul Anderson

Collector(s): PA, AV, RDV

Weather Conditions: partly cloudy 26

Sample Location Description: (Provide site diagram on opposite side or attach site map showing location)

Waterbody Name: Sunset Lake River Mile or Site ID: B5

GPS Waypoint: Tm355 Latitude: 41.057904 (dd.ddddd) Longitude: 81.548628 (ddd.ddddd)

GPS Model/ID: Trimble Geo7X 2D / 3D (circle) Error: _____ feet / meters (circle)

Coordinate System: NAD Site Description: _____

Ambient Site Information (water):

Conductivity: 777 Units: mS/cm Dissolved Oxygen: 161.3 14.21 (mg/l) pH: 8.184 (S.U.) Temperature: 21.7 (°C)

Meter Model or ID: DSS Pro Current Velocity (fps): _____ depth 3.7 ft

Sediment Collection Information:

Water Depth: 4.1 (ft) or m Sediment Sample Depth: 1.8 ft or cm Sample Type: Grab ☐ Composite ☐

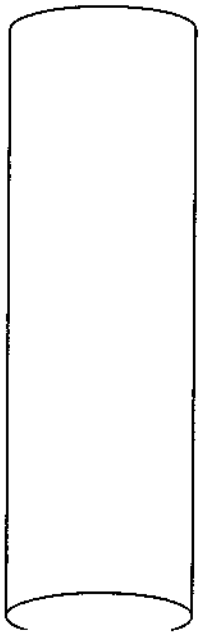
Collection Device: Scoop ☐ Eckman Dredge ☐ Corer ☒ Other ☐ Describe: _____

Sample ID(s): SS8 / _____ / _____ / _____

Sample Replicate Collected? YES or (NO) Sample · Duplicate Collected? YES or (NO)

Replicate ID/Name: _____ Duplicate ID/Name: _____

Laboratory: _____ Parameters: _____



Depths (cm)	Texture	Color	Odor	Sample ID
26 23	~14 cm of Dark olive Silt overlying Clayey Sand (Beige-gray)	5Y 3/2	None noted	SS8

Sediment Sampling Data Sheet

EnviroScience

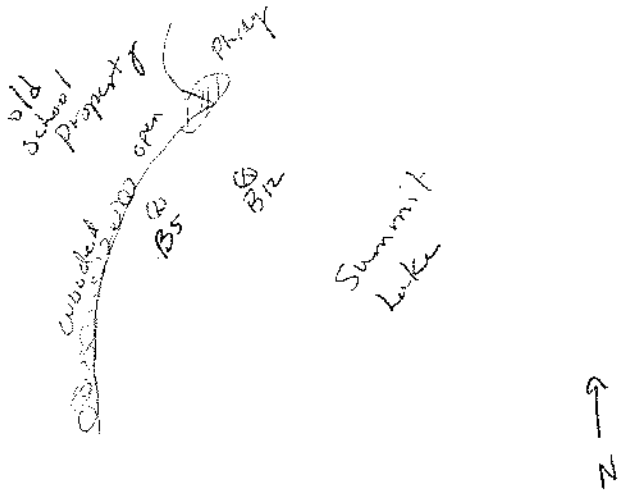
Sediment Texture Categories:

Sand:	Particles 0.06-2.0 mm in diameter, possessing a gritty texture when rubbed between fingers. Loose materials (not cohesive) that often cannot be molded into shapes (non-plastic).
Silt:	Particles 0.004-0.06 mm in diameter, generally fine material possessing a greasy or smooth, talc-like feel when rubbed between fingers. Non-plastic and not cohesive.
Clay:	Particles less than 0.004 mm in diameter, which forms a dense, gummy surface that is difficult to penetrate with tools (hardpan). Clay is both plastic and cohesive.
Marl:	Calcium carbonate, usually greyish-white, often containing fragments of mollusk shells.
Detritus:	Dead, unconsolidated organic material including sticks, wood, leaves, and other partially decayed coarse plant material.
Peat:	Partially decomposed plant materials characterized by an acidic pH; parts of plants such as *Sphagnum* moss sometimes visible.
Muck:	Black, extremely fine, flocculent material composed of completely decomposed organic material (excluding sewage).
Sludge:	Organic matter that is decidedly of human or animal origin (including manure and sewage).

Site Comments/Observations:

Site B3S did not meet DQO's, Replaced with site B5

Site Drawing (include landmarks and sample location(s):



Sediment Sampling Data Sheet

EnviroScience

Project: Partners Env Task: 3C

Date: 06/01/2017 (mm/dd/yyyy) Time: 1720 (hh:mm) Project Manager: D. Andersen

Collector(s): AV, PA

Weather Conditions: partly cloudy 24°C

Sample Location Description: (Provide site diagram on opposite side or attach site map showing location)

Waterbody Name: Sunset Lake River Mile or Site ID: C17

GPS Waypoint: Gr.b C17 Latitude: 41.060121 (dd.ddddd) Longitude: 81.545820 (ddd.ddddd)

GPS Model/ID: Trimble Geo 7X 2D / 3D (circle) Error: _____ feet / meters (circle)

Coordinate System: NAD Site Description: _____

Ambient Site Information (water):

Conductivity: 777 Units: ~S/cm Dissolved Oxygen: 13.46 (mg/l) 153.1% pH: 8.78 (S.U.) Temperature: 21.4 (°C)

depth 3.5 ft

Meter Model or ID: DSS Pro Current Velocity (fps): _____

Sediment Collection Information:

Water Depth: 5.0 (ft) or m Sediment Sample Depth: >9.0 ft (ft) or cm Sample Type: Grab ☐ Composite ☐

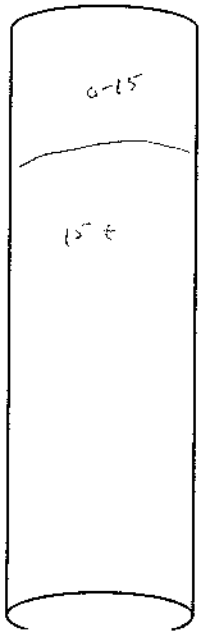
Collection Device: Scoop ☐ Eckman Dredge ☐ Corer ☒ Other ☐ Describe: _____

Sample ID(s): SS9 / _____ / _____ / _____

Sample Replicate Collected? YES or NO Sample Duplicate Collected? YES or NO

Replicate ID/Name: _____ Duplicate ID/Name: _____

Laboratory: _____ Parameters: _____



Depths (cm)	Texture	Color	Odor	Sample ID
39cm 20cm 2 composite samples for sample	Silty fine detritus Silty clay with sand	↑ Porkolin. Black ↓ Gley 1 3/5G 1	strong oil odor and sheen	SS9

Sediment Sampling Data Sheet

EnviroScience

Sediment Texture Categories:

Sand: Particles 0.06-2.0 mm in diameter, possessing a gritty texture when rubbed between fingers. Loose materials (not cohesive) that often cannot be molded into shapes (non-plastic).

Silt: Particles 0.004-0.06 mm in diameter, generally fine material possessing a greasy or smooth, talc-like feel when rubbed between fingers. Non-plastic and not cohesive.

Clay: Particles less than 0.004 mm in diameter, which forms a dense, gummy surface that is difficult to penetrate with tools (hardpan). Clay is both plastic and cohesive.

Marl: Calcium carbonate, usually greyish-white, often containing fragments of mollusk shells.

Detritus: Dead, unconsolidated organic material including sticks, wood, leaves, and other partially decayed coarse plant material.

Peat: Partially decomposed plant materials characterized by an acidic pH; parts of plants such as *Sphagnum* moss sometimes visible.

Muck: Black, extremely fine, flocculent material composed of completely decomposed organic material (excluding sewage).

Sludge: Organic matter that is decidedly of human or animal origin (including manure and sewage).

Site Comments/Observations:

_____

_____

_____

Site Drawing (include landmarks and sample location(s):

Sediment Sampling Data Sheet

EnviroScience

Project: Portage Env. 9338 Task: _____

Date: 06/05/2017 (mm/dd/yyyy) Time: 1800 (hh:mm) Project Manager: P. Anderson

Collector(s): AV, PA

Weather Conditions: partly cloudy 24°C

Sample Location Description: (Provide site diagram on opposite side or attach site map showing location)

Waterbody Name: Summit Lake River Mile or Site ID: CS2

GPS Waypoint: CSV Latitude: 41.059581 (dd.ddddd) Longitude: 81.544797 (ddd.ddddd)

GPS Model/ID: Trimble Geo 7X 2D / 3D (circle) Error: _____ feet / meters (circle)

Coordinate System: NAD Site Description: _____

Ambient Site Information (water): 170.5%

Conductivity: 769 Units: µs/cm Dissolved Oxygen: 14.60 (mg/l) pH: 8.80 (S.U.) Temperature: 23.0 (°C)

Meter Model or ID: DSS Pro Current Velocity (fps): _____ depth: 27 ft

Sediment Collection Information:

Water Depth: 4.0 AV (ft or m) Sediment Sample Depth: 4.5 AV (ft or cm) Sample Type: Grab ☐ Composite ☐

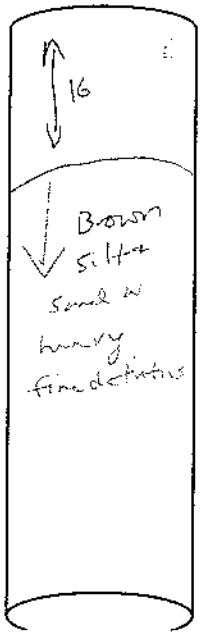
Collection Device: Scoop ☐ Eckman Dredge ☐ Corer ☐ Other ☐ Describe: _____

Sample ID(s): SS10 / SS10FieldDup / _____ / _____

Sample Replicate Collected? YES or NO Sample Duplicate Collected? YES or NO

Replicate ID/Name: _____ Duplicate ID/Name: SS10 Field Dup

Laboratory: _____ Parameters: Particle, SEM, % moisture



Depths (cm)	Texture	Color	Odor	Sample ID
43.5 295	Greyish - Black Silty sand w fine detritus + Zebra mussel shells	5Y 4/2	None noted	SS10

Sediment Sampling Data Sheet

EnviroScience

Sediment Texture Categories:

Sand:	Particles 0.06-2.0 mm in diameter, possessing a gritty texture when rubbed between fingers. Loose materials (not cohesive) that often cannot be molded into shapes (non-plastic).
Silt:	Particles 0.004-0.06 mm in diameter, generally fine material possessing a greasy or smooth, talc-like feel when rubbed between fingers. Non-plastic and not cohesive.
Clay:	Particles less than 0.004 mm in diameter, which forms a dense, gummy surface that is difficult to penetrate with tools (hardpan). Clay is both plastic and cohesive.
Marl:	Calcium carbonate, usually greyish-white, often containing fragments of mollusk shells.
Detritus:	Dead, unconsolidated organic material including sticks, wood, leaves, and other partially decayed coarse plant material.
Peat:	Partially decomposed plant materials characterized by an acidic pH; parts of plants such as *Sphagnum* moss sometimes visible.
Muck:	Black, extremely fine, flocculent material composed of completely decomposed organic material (excluding sewage).
Sludge:	Organic matter that is decidedly of human or animal origin (including manure and sewage).

Site Comments/Observations:

replaces C360 as alternate

Site Drawing (include landmarks and sample location(s):

Sediment Sampling Data Sheet

EnviroScience

Project: Partners Env 9338 Task: 3C

Date: 06/06/2017 (mm/dd/yyyy) Time: 1950 (hh:mm) Project Manager: P. Anderson

Collector(s): PA, AV

Weather Conditions: partly cloudy 23°C

Sample Location Description: (Provide site diagram on opposite side or attach site map showing location) C75 (per map)

Waterbody Name: Summit Lake River Mile or Site ID: C71

GPS Waypoint: C71 C75 per Latitude: 41.058800 (dd.ddddd) Longitude: -81.547832 (ddd.ddddd)

GPS Model/ID: Trimble Geo 7X 2D / 3D (circle) Note: Position puts sample location in C75 Error: _____ feet / meters (circle)

Coordinate System: NAD Site Description: _____

Ambient Site Information (water): 170.8%

Conductivity: 776 Units: us/cm Dissolved Oxygen: 14.84 (mg/l) pH: 8.90 (S.U.) Temperature: 22.2 (°C)

depth: 1.8

Meter Model or ID: DSSpro Current Velocity (fps): _____

Sediment Collection Information:

Water Depth: 4.0 (ft or m) Sediment Sample Depth: 9.0+ (ft or cm) Sample Type: Grab ☐ Composite ☐

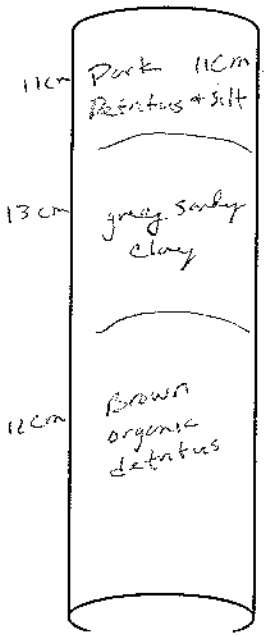
Collection Device: Scoop ☐ Eckman Dredge ☐ Corer ☒ Other ☐ Describe: _____

Sample ID(s): SS11 Grab C71 / _____ / _____ / _____

Sample Replicate Collected? YES or (NO) Sample Duplicate Collected? YES or (NO)

Replicate ID/Name: _____ Duplicate ID/Name: _____

Laboratory: _____ Parameters: _____



Depths (cm)	Texture	Color	Odor	Sample ID
35 cm		5Y 4/4	Moderate organic chemical odor within grey layer	SS11

Sediment Sampling Data Sheet

EnviroScience

Sediment Texture Categories:

Sand:	Particles 0.06-2.0 mm in diameter, possessing a gritty texture when rubbed between fingers. Loose materials (not cohesive) that often cannot be molded into shapes (non-plastic).
Silt:	Particles 0.004-0.06 mm in diameter, generally fine material possessing a greasy or smooth, talc-like feel when rubbed between fingers. Non-plastic and not cohesive.
Clay:	Particles less than 0.004 mm in diameter, which forms a dense, gummy surface that is difficult to penetrate with tools (hardpan). Clay is both plastic and cohesive.
Marl:	Calcium carbonate, usually greyish-white, often containing fragments of mollusk shells.
Detritus:	Dead, unconsolidated organic material including sticks, wood, leaves, and other partially decayed coarse plant material.
Peat:	Partially decomposed plant materials characterized by an acidic pH; parts of plants such as *Sphagnum* moss sometimes visible.
Muck:	Black, extremely fine, flocculent material composed of completely decomposed organic material (excluding sewage).
Sludge:	Organic matter that is decidedly of human or animal origin (including manure and sewage).

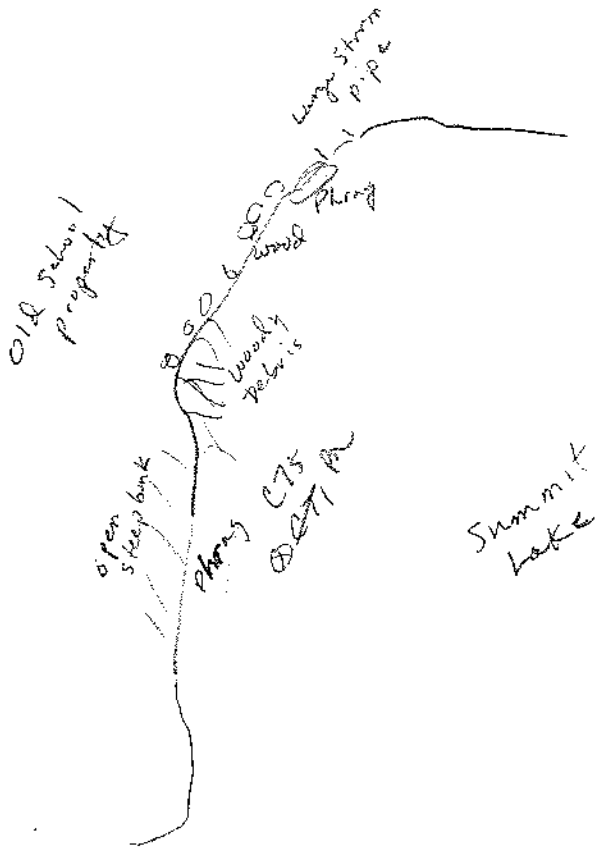
Site Comments/Observations:

Site C69 too deep moved in shore to C71 (C75) for sample

Disagreement between map and table in study plan (May be Grid C75)

Site met DQO's for depth and sediment 11-5-17 - confirmed C75

Site Drawing (include landmarks and sample location(s):



Sediment Sampling Data Sheet

EnviroScience

Project: Partners Env. Task:

Date: 06/07/2017 (mm/dd/yyyy) Time: 1000 (hh:mm) Project Manager: P. Anderson

Collector(s): PA, AV

Weather Conditions: overcast, drizzly 13°

Sample Location Description: (Provide site diagram on opposite side or attach site map showing location)

Waterbody Name: Summit Lake River Mile or Site ID: D6

GPS Waypoint: D6 Latitude: 41.059199 (dd.ddddd) Longitude: 81.543756 (ddd.ddddd)

GPS Model/ID: Trimble Geo 7X 2D / 3D (circle) Error: ______ feet / meters (circle)

Coordinate System: NAD Site Description:

Ambient Site Information (water):

Conductivity: 829 Units: µS/cm Dissolved Oxygen: 6.96 (mg/l) 77.3% pH: 8.09 (S.U.) Temperature: 20.3 (°C)

Meter Model or ID: DSS Pro Current Velocity (fps): ______ depth 3.0 ft

Sediment Collection Information:

Water Depth: 8.4.2 (ft or m) Sediment Sample Depth: 1.3 (ft or cm) Sample Type: Grab ☐ Composite ☒

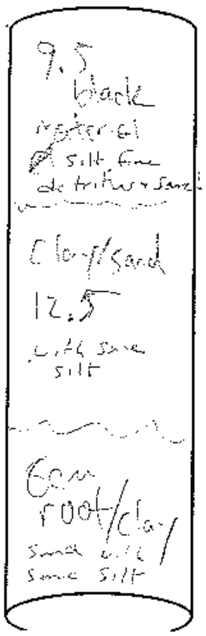
Collection Device: Scoop ☐ Eckman Dredge ☐ Corer ☒ Other ☐ Describe:

Sample ID(s): SS12 / / /

Sample Replicate Collected? YES or NO Sample Duplicate Collected? YES or NO

Replicate ID/Name: Duplicate ID/Name:

Laboratory: Parameters:



Depths (cm)	Texture	Color	Odor	Sample ID
30 18.5 18.5	Composite has texture of wet cement, very clayey	5Y 2.5/1	Slight H_2S odor	SS12

Sediment Sampling Data Sheet

EnviroScience

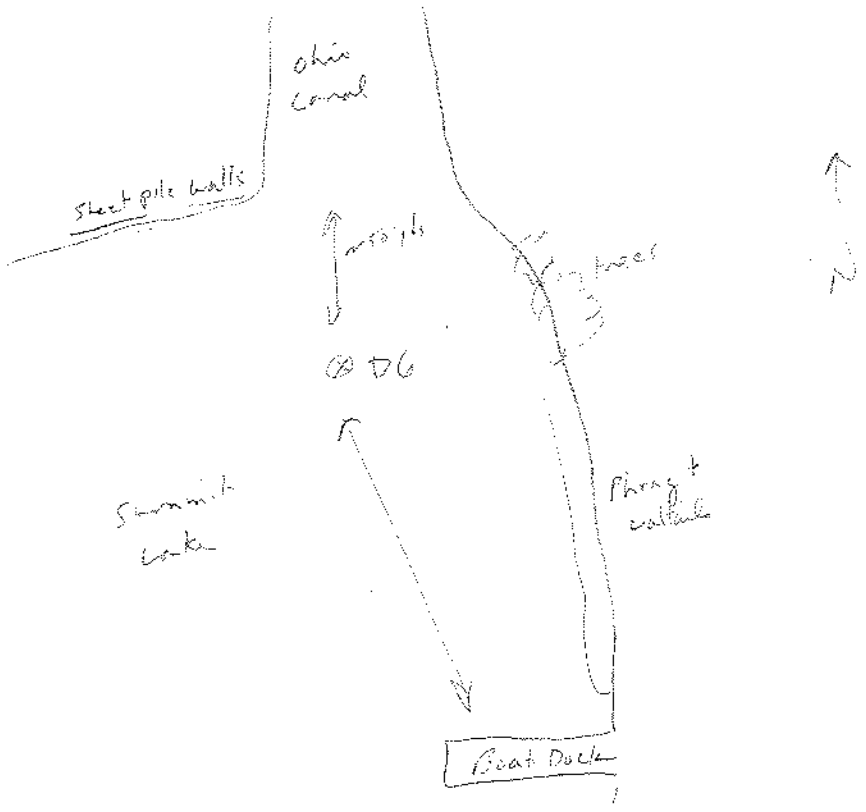
Sediment Texture Categories:

Sand:	Particles 0.06-2.0 mm in diameter, possessing a gritty texture when rubbed between fingers. Loose materials (not cohesive) that often cannot be molded into shapes (non-plastic).
Silt:	Particles 0.004-0.06 mm in diameter, generally fine material possessing a greasy or smooth, talc-like feel when rubbed between fingers. Non-plastic and not cohesive.
Clay:	Particles less than 0.004 mm in diameter, which forms a dense, gummy surface that is difficult to penetrate with tools (hardpan). Clay is both plastic and cohesive.
Marl:	Calcium carbonate, usually greyish-white, often containing fragments of mollusk shells.
Detritus:	Dead, unconsolidated organic material including sticks, wood, leaves, and other partially decayed coarse plant material.
Peat:	Partially decomposed plant materials characterized by an acidic pH; parts of plants such as *Sphagnum* moss sometimes visible.
Muck:	Black, extremely fine, flocculent material composed of completely decomposed organic material (excluding sewage).
Sludge:	Organic matter that is decidedly of human or animal origin (including manure and sewage).

Site Comments/Observations:

At mouth of Canal outlet

Site Drawing (include landmarks and sample location(s):



Sediment Sampling Data Sheet

EnviroScience

Project: Partners Env. Task: 3C

Date: 06/07/2017 (mm/dd/yyyy) Time: 1110 (hh:mm) Project Manager: P. Anderson

Collector(s): PA, AV

Weather Conditions: Overcast, 13°C

Sample Location Description: (Provide site diagram on opposite side or attach site map showing location)

Waterbody Name: Summit Lake River Mile or Site ID: D80

GPS Waypoint: D80 Latitude: 41.05129 18 (dd.ddddd) Longitude: 81.54385558 (ddd.ddddd)

GPS Model/ID: Trimble Geo 7X 2D / 3D (circle) Error: _____ feet / meters (circle)

Coordinate System: NAD Site Description: _____

Ambient Site Information (water): 104.7%

Conductivity: 822 Units: uS/cm Dissolved Oxygen: 9.40 (mg/l) pH: 8.44 (S.U.) Temperature: 20.6 (°C)

Meter Model or ID: DSS Pro Current Velocity (fps): _____ depth 3.7 ft

Sediment Collection Information:

Water Depth: 4.8 ft (ft or m) Sediment ~~Sample~~ Total Depth: 77.2 (ft or cm) Sample Type: Grab ☐ Composite ☒

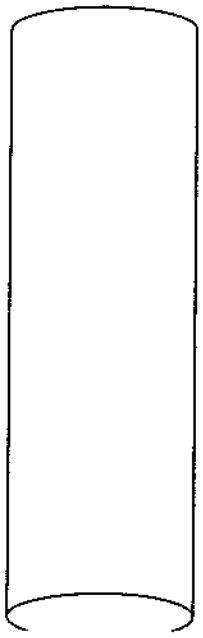
Collection Device: Scoop ☐ Eckman Dredge ☐ Corer ☒ Other ☐ Describe: _____

Sample ID(s): SS13 / _____ / _____ / _____

Sample Replicate Collected? YES or (NO) Sample Duplicate Collected? YES or (NO)

Replicate ID/Name: _____ Duplicate ID/Name: _____

Laboratory: _____ Parameters: _____



Depths (cm)	Texture	Color	Odor	Sample ID
23: 43.5	oily, silty mud	5Y 3/1	Strong oil odor, heavy oil sheen	SS13

Sediment Sampling Data Sheet

EnviroScience

Sediment Texture Categories:

Sand: Particles 0.06-2.0 mm in diameter, possessing a gritty texture when rubbed between fingers. Loose materials (not cohesive) that often cannot be molded into shapes (non-plastic).

Silt: Particles 0.004-0.06 mm in diameter, generally fine material possessing a greasy or smooth, talc-like feel when rubbed between fingers. Non-plastic and not cohesive.

Clay: Particles less than 0.004 mm in diameter, which forms a dense, gummy surface that is difficult to penetrate with tools (hardpan). Clay is both plastic and cohesive.

Marl: Calcium carbonate, usually greyish-white, often containing fragments of mollusk shells.

Detritus: Dead, unconsolidated organic material including sticks, wood, leaves, and other partially decayed coarse plant material.

Peat: Partially decomposed plant materials characterized by an acidic pH; parts of plants such as *Sphagnum* moss sometimes visible.

Muck: Black, extremely fine, flocculent material composed of completely decomposed organic material (excluding sewage).

Sludge: Organic matter that is decidedly of human or animal origin (including manure and sewage).

Site Comments/Observations:

_____

_____

_____

Site Drawing (include landmarks and sample location(s):

Sediment Sampling Data Sheet

EnviroScience

Project: Partners Env. Task: 3C

Date: 05 13/01/2017 (mm/dd/yyyy) Time: 1028 (hh:mm) Project Manager: Paul Anderson

Collector(s): DA, AV

Weather Conditions: clear, 21°C 1mph WSW

Sample Location Description: (Provide site diagram on opposite side or attach site map showing location)

Waterbody Name: Summit Lake River Mile or Site ID: B37

GPS Waypoint: B37 Latitude: 41.055430 (dd.ddddd) Longitude: -81.5474 (ddd.ddddd)

GPS Model/ID: Trimble GeoXH 2D / (3D) (circle) Error: _____ feet / meters (circle)

Coordinate System: NAD Site Description: Targeted site B37 Leslie Ave Storm drain

Ambient Site Information (water):

SP Conductivity: 830 Units: _____ Dissolved Oxygen: 10:24 114.8% (mg/l) pH: 8.37 (S.U.) Temperature: 20.8 (°C) 5.14 Ft

Meter Model or ID: ProDSS #1 Current Velocity (fps): _____

Sediment Collection Information:

Water Depth: 5.7 (ft) or m Sediment Sample Depth: 3.0 Total (ft) or cm Sample Type: Grab ☐ Composite ☒

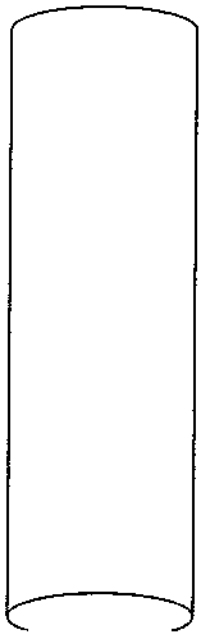
Collection Device: Scoop ☐ Eckman Dredge ☐ Corer ☒ Other ☐ Describe: _____

Sample ID(s): TS1 - Grid B37 / _____ / _____ / _____

Sample Replicate Collected? YES or (NO) Sample Duplicate Collected? YES or (NO)

Replicate ID/Name: _____ Duplicate ID/Name: _____

Laboratory: Test America Parameters: D422/TOC/metals/8270C (PAH only)



Depths (cm)	Texture	Color	Odor	Sample ID
0-2	silty detritus	olive		TS1
2-28	gray/black sand w/some silt & detritus			
2 cores composited				

Sediment Sampling Data Sheet

EnviroScience

Sediment Texture Categories:

Sand:	Particles 0.06-2.0 mm in diameter, possessing a gritty texture when rubbed between fingers. Loose materials (not cohesive) that often cannot be molded into shapes (non-plastic).
Silt:	Particles 0.004-0.06 mm in diameter, generally fine material possessing a greasy or smooth, talc-like feel when rubbed between fingers. Non-plastic and not cohesive.
Clay:	Particles less than 0.004 mm in diameter, which forms a dense, gummy surface that is difficult to penetrate with tools (hardpan). Clay is both plastic and cohesive.
Marl:	Calcium carbonate, usually greyish-white, often containing fragments of mollusk shells.
Detritus:	Dead, unconsolidated organic material including sticks, wood, leaves, and other partially decayed coarse plant material.
Peat:	Partially decomposed plant materials characterized by an acidic pH; parts of plants such as *Sphagnum* moss sometimes visible.
Muck:	Black, extremely fine, flocculent material composed of completely decomposed organic material (excluding sewage).
Sludge:	Organic matter that is decidedly of human or animal origin (including manure and sewage).

Site Comments/Observations:

Sample collected ~ 50 ft from shore

Site Drawing (include landmarks and sample location(s):

Sediment Sampling Data Sheet

EnviroScience

Project: Partners Env. 9338 Task: 3C

Date: 05/30/2017 (mm/dd/yyyy) Time: 1155 (hh:mm) Project Manager: Paul Anderson

Collector(s): PA, AV

Weather Conditions: clear 22°C 0-4 mph wind

Sample Location Description: (Provide site diagram on opposite side or attach site map showing location)

Waterbody Name: Summit Lake River Mile or Site ID: C8

GPS Waypoint: C8 Latitude: 41°03'36.261" (dd.ddddd) Longitude: 81°32'52.934W (ddd.ddddd)

GPS Model/ID: TrimbleGeo XH 2D / 3D (circle) Error: _____ feet / meters (circle)

Coordinate System: NAD Site Description: targeted site NW Shoreline storm sewer

Ambient Site Information (water):

Conductivity: 857 Units: µmhos/cm Dissolved Oxygen: 12.91 (149.7%) (mg/l) pH: 8.56 (S.U.) Temperature: 22.5 (°C)

Meter Model or ID: Pro DSS Current Velocity (fps): _____ z=0.88 ft for measurements

Sediment Collection Information:

Water Depth: 2.2 (ft or m) Sediment ~~Sample~~ Total Depth: 8.8 (ft or cm) Sample Type: Grab ☐ Composite ☒

Collection Device: Scoop ☐ Eckman Dredge ☐ Corer ☒ Other ☐ Describe: _____

Sample ID(s): TS2 DupA Grid C8 / TS2 DupB Grid C8 / _____ / _____

Sample Replicate Collected? YES or NO Sample Duplicate Collected? YES or NO

Replicate ID/Name: _____ Duplicate ID/Name: TS2 DupB

Laboratory: Test America Parameters: D422/TOC/metals/8270C (PAH only)

Depths (cm)	Texture	Color	Odor	Sample ID
4 Cores composited 12.5cm 25cm 37.5cm 25cm	Silty-muck with some Detritus	Brown-Black 10YR/2/1	oil	TS2

Sediment Sampling Data Sheet

EnviroScience

Sediment Texture Categories:

Sand: Particles 0.06-2.0 mm in diameter, possessing a gritty texture when rubbed between fingers. Loose materials (not cohesive) that often cannot be molded into shapes (non-plastic).

Silt: Particles 0.004-0.06 mm in diameter, generally fine material possessing a greasy or smooth, talc-like feel when rubbed between fingers. Non-plastic and not cohesive.

Clay: Particles less than 0.004 mm in diameter, which forms a dense, gummy surface that is difficult to penetrate with tools (hardpan). Clay is both plastic and cohesive.

Marl: Calcium carbonate, usually greyish-white, often containing fragments of mollusk shells.

Detritus: Dead, unconsolidated organic material including sticks, wood, leaves, and other partially decayed coarse plant material.

Peat: Partially decomposed plant materials characterized by an acidic pH; parts of plants such as *Sphagnum* moss sometimes visible.

Muck: Black, extremely fine, flocculent material composed of completely decomposed organic material (excluding sewage).

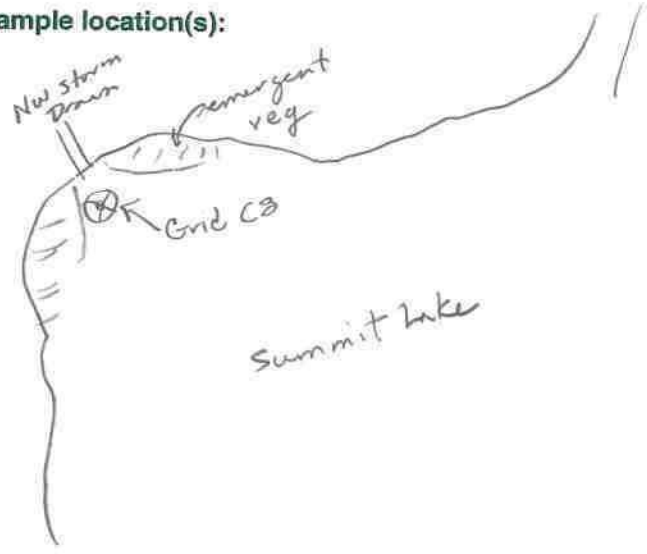
Sludge: Organic matter that is decidedly of human or animal origin (including manure and sewage).

Site Comments/Observations:

Oil sheen on collection tube and water when sample collected

moderate - strong oil odor from sediment

Site Drawing (include landmarks and sample location(s):



Sediment Sampling Data Sheet

EnviroScience

Project: Partners Env 9338 Task: 3C

Date: 05/30/2017 (mm/dd/yyyy) Time: 1358 (hh:mm) Project Manager: Paul Anderson

Collector(s): PA, AV

Weather Conditions: 25° Partly cloudy wind mph 2 West

Sample Location Description: (Provide site diagram on opposite side or attach site map showing location)

Waterbody Name: Summit Lake River Mile or Site ID: B51

GPS Waypoint: B51 Latitude: 41°3'14.662" N (dd.ddddd) Longitude: 81°32'46.892 W (ddd.ddddd)

GPS Model/ID: TrimbleGeoXH 2D / 3D (circle) Error: _____ feet / meters (circle)

Coordinate System: NAD Site Description: _____

Ambient Site Information (water):

Conductivity: 830 Units: ~~µS~~/cm Dissolved Oxygen: 11.8 (mg/l) 134.8% pH: ~~830~~ 8.54 AV (S.U.) Temperature: 22.1 (°C)

Depth: 0.8

Meter Model or ID: DSSPro Current Velocity (fps): _____

Sediment Collection Information:

Water Depth: 5.5 (ft or m) Sediment Sample Depth: 1.2 Total (ft or cm) Sample Type: Grab ☐ Composite ☒

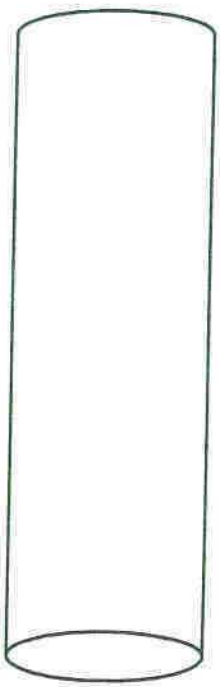
Collection Device: Scoop ☐ Eckman Dredge ☐ Corer ☒ Other ☐ Describe: _____

Sample ID(s): TS3-Grid B51 / _____ / _____ / _____

Sample Replicate Collected? YES or NO Sample Duplicate Collected? YES or NO

Replicate ID/Name: _____ Duplicate ID/Name: _____

Laboratory: Test America Parameters: D422/TOC/metals/8270C (PAH only) 18.5 12.5 23



Depths (cm)	Texture	Color	Odor	Sample ID
(00-23cm) 18.5 cm 12.5cm 23 cm 4 Cores Composited	Sand with some gravel, silt and detritus	Black Gley 2 2.5/10B	Slight oil smell	TS3

Sediment Sampling Data Sheet

EnviroScience

Sediment Texture Categories:

Sand: Particles 0.06-2.0 mm in diameter, possessing a gritty texture when rubbed between fingers. Loose materials (not cohesive) that often cannot be molded into shapes (non-plastic).

Silt: Particles 0.004-0.06 mm in diameter, generally fine material possessing a greasy or smooth, talc-like feel when rubbed between fingers. Non-plastic and not cohesive.

Clay: Particles less than 0.004 mm in diameter, which forms a dense, gummy surface that is difficult to penetrate with tools (hardpan). Clay is both plastic and cohesive.

Marl: Calcium carbonate, usually greyish-white, often containing fragments of mollusk shells.

Detritus: Dead, unconsolidated organic material including sticks, wood, leaves, and other partially decayed coarse plant material.

Peat: Partially decomposed plant materials characterized by an acidic pH; parts of plants such as *Sphagnum* moss sometimes visible.

Muck: Black, extremely fine, flocculent material composed of completely decomposed organic material (excluding sewage).

Sludge: Organic matter that is decidedly of human or animal origin (including manure and sewage).

Site Comments/Observations:

Lagoon St. Culvert

Site Drawing (include landmarks and sample location(s):

Sediment Sampling Data Sheet

EnviroScience

Project: Partners Env. 9338 Task: _____

Date: 05/30/2017 (mm/dd/yyyy) Time: 1500 (hh:mm) Project Manager: Paul Anderson

Collector(s): AV, PA

Weather Conditions: 25°C Mostly Cloudy

Sample Location Description: (Provide site diagram on opposite side or attach site map showing location) B61

Waterbody Name: Summit Lake River Mile or Site ID: Brady Ave. Culvert

GPS Waypoint: B61 Latitude: 41°03'11.193"N (dd.ddddd) Longitude: 81°32'48.402"W (ddd.ddddd)

GPS Model/ID: Trimble GeoXH 2D / (3D) (circle) Error: _____ feet / meters (circle)

Coordinate System: NAD Site Description: _____

Ambient Site Information (water): 149.5%

Conductivity: 826 Units: µS/cm Dissolved Oxygen: 13.02 (mg/l) pH: 8.63 (S.U.) Temperature: 22.0 (°C)

Meter Model or ID: DSS Pro Current Velocity (fps): _____ 1.1ft

Sediment Collection Information:

Water Depth: 2.8 (ft) or m Sediment Total Sample Depth: 3.8 ft or cm Sample Type: Grab ☐ Composite ☐

Collection Device: Scoop ☐ Eckman Dredge ☐ Corer ☒ Other ☐ Describe: _____

Sample ID(s): TS4 - Grid B61 / _____ / _____ / _____

Sample Replicate Collected? YES or NO Sample Duplicate Collected? YES or NO

Replicate ID/Name: _____ Duplicate ID/Name: _____

Laboratory: Test America Parameters: D422/TOC/metals/8270C(PAH)

Depths (cm)	Texture	Color	Odor	Sample ID
19cm 11cm 22.ft 3 cores composited and	Sandy silt w/ some gravel debris	Black Gley 2 2.5/10B	Strong oil	TS4

Sediment Sampling Data Sheet

EnviroScience

Sediment Texture Categories:

Sand: Particles 0.06-2.0 mm in diameter, possessing a gritty texture when rubbed between fingers. Loose materials (not cohesive) that often cannot be molded into shapes (non-plastic).

Silt: Particles 0.004-0.06 mm in diameter, generally fine material possessing a greasy or smooth, talc-like feel when rubbed between fingers. Non-plastic and not cohesive.

Clay: Particles less than 0.004 mm in diameter, which forms a dense, gummy surface that is difficult to penetrate with tools (hardpan). Clay is both plastic and cohesive.

Marl: Calcium carbonate, usually greyish-white, often containing fragments of mollusk shells.

Detritus: Dead, unconsolidated organic material including sticks, wood, leaves, and other partially decayed coarse plant material.

Peat: Partially decomposed plant materials characterized by an acidic pH; parts of plants such as *Sphagnum* moss sometimes visible.

Muck: Black, extremely fine, flocculent material composed of completely decomposed organic material (excluding sewage).

Sludge: Organic matter that is decidedly of human or animal origin (including manure and sewage).

Site Comments/Observations:

Note - replaces site B71 - could not retrieve target sample at B71

Site Drawing (include landmarks and sample location(s):

Sediment Sampling Data Sheet

EnviroScience

Project: Partners Env 9338 Task: _____

Date: 05/30/2017 (mm/dd/yyyy) Time: 1540 (hh:mm) Project Manager: Paul Anderson

Collector(s): PA, AV

Weather Conditions: 24°C partly cloudy

Sample Location Description: (Provide site diagram on opposite side or attach site map showing location)

Waterbody Name: Summit Lake River Mile or Site ID: Canal 2

GPS Waypoint: Canal-2 Latitude: 41°02'54.045"N (dd.ddddd) Longitude: 81°32'37.496"W (ddd.ddddd)

GPS Model/ID: Trimble Geo XH 2D / (3D) (circle) Error: _____ feet / meters (circle)

Coordinate System: NAD Site Description: Kenmore Blvd Bridge (just N)

Ambient Site Information (water):

Conductivity: 881 Units: _____ Dissolved Oxygen: 9.33mg/L 110.9% (mg/l) pH: 7.97 (S.U.) Temperature: 24.0 (°C)

Meter Model or ID: DSS Pro Current Velocity (fps): _____ 1.25 ft

Sediment Collection Information:

Water Depth: 3.5 (ft) or m Sediment ~~Sample~~ Total Depth: 5.2 (ft) or cm Sample Type: Grab ☐ Composite ☐

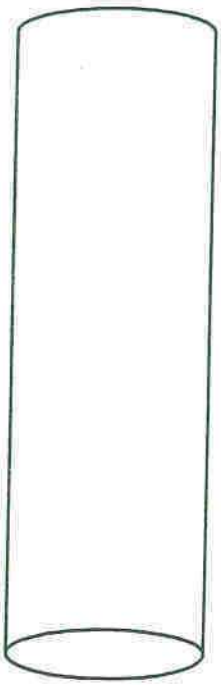
Collection Device: Scoop ☐ Eckman Dredge ☐ Corer ☒ Other ☐ Describe: _____

Sample ID(s): TSS Canal-2 / _____ / _____ / _____

Sample Replicate Collected? YES or (NO) Sample Duplicate Collected? YES or (NO)

Replicate ID/Name: _____ Duplicate ID/Name: _____

Laboratory: Test America Parameters: See Study Plan



Depths (cm)	Texture	Color	Odor	Sample ID
24.5 39 2 cores composited	silt, muck w/ sand and some detritus	GLEY2 2.5/10B	slight oil smell, some oil sheen.	TSS

Sediment Sampling Data Sheet

EnviroScience

Sediment Texture Categories:

Sand: Particles 0.06-2.0 mm in diameter, possessing a gritty texture when rubbed between fingers. Loose materials (not cohesive) that often cannot be molded into shapes (non-plastic).

Silt: Particles 0.004-0.06 mm in diameter, generally fine material possessing a greasy or smooth, talc-like feel when rubbed between fingers. Non-plastic and not cohesive.

Clay: Particles less than 0.004 mm in diameter, which forms a dense, gummy surface that is difficult to penetrate with tools (hardpan). Clay is both plastic and cohesive.

Marl: Calcium carbonate, usually greyish-white, often containing fragments of mollusk shells.

Detritus: Dead, unconsolidated organic material including sticks, wood, leaves, and other partially decayed coarse plant material.

Peat: Partially decomposed plant materials characterized by an acidic pH; parts of plants such as *Sphagnum* moss sometimes visible.

Muck: Black, extremely fine, flocculent material composed of completely decomposed organic material (excluding sewage).

Sludge: Organic matter that is decidedly of human or animal origin (including manure and sewage).

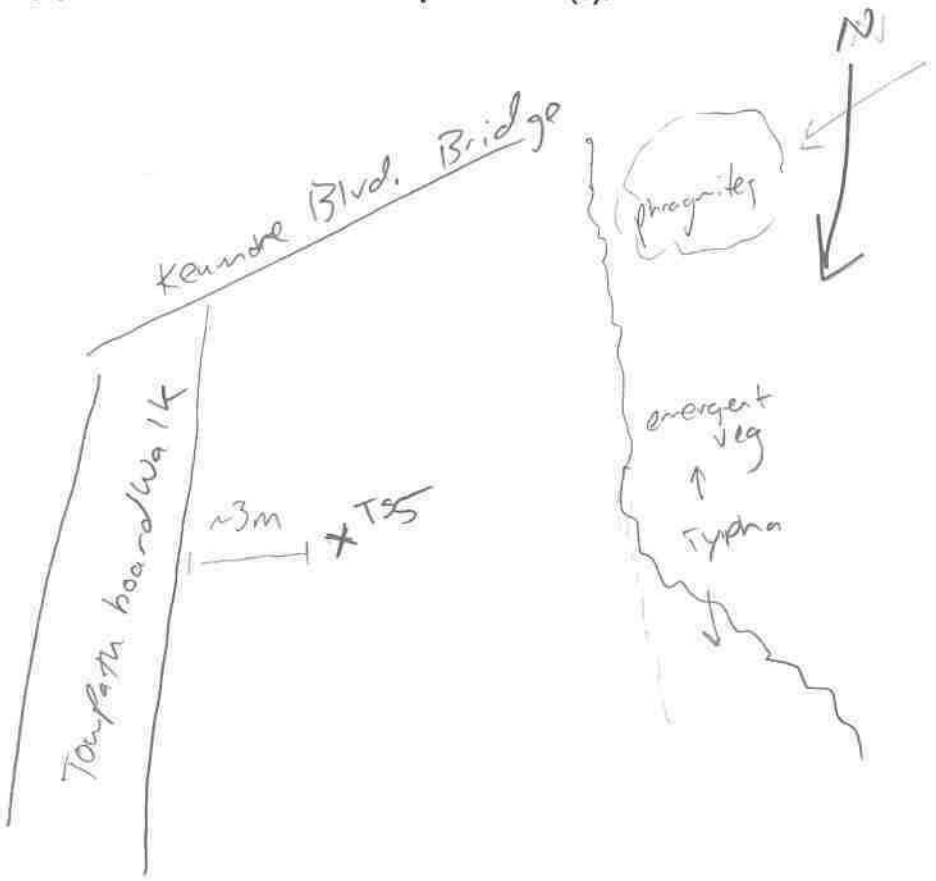
Site Comments/Observations:

_____

_____

_____

Site Drawing (include landmarks and sample location(s):



Sediment Sampling Data Sheet

EnviroScience

Project: Partners Env. Task: 3C

Date: 05 / 30 / 2017 (mm/dd/yyyy) Time: 1630 (hh:mm) Project Manager: Paul Anderson

Collector(s): PA, AV

Weather Conditions: 25°C partly cloudy

Sample Location Description: (Provide site diagram on opposite side or attach site map showing location)

Waterbody Name: Summit Lake River Mile or Site ID: DSS

GPS Waypoint: DSS Latitude: 41°03'14.872"N (dd.ddddd) Longitude: 81°32'37.974"W (ddd.ddddd)

GPS Model/ID: Trimble GeoXH 2D / 3D (circle) Error: _____ feet / meters (circle)

Coordinate System: NAD Site Description: DSS Ira Ave. Storm Sewer

Ambient Site Information (water): 121.7%

Conductivity: 843 Units: mS/cm Dissolved Oxygen: 10.49 (mg/l) pH: 8.30 (S.U.) Temperature: 22.7 (°C)

Meter Model or ID: DSS Pro Current Velocity (fps): _____ 1.6ft depth

Sediment Collection Information:

Water Depth: 3.9 (ft) or m Sediment ~~Sample~~ Total Depth: 5.6 (ft) or cm Sample Type: Grab ☐ Composite ☒

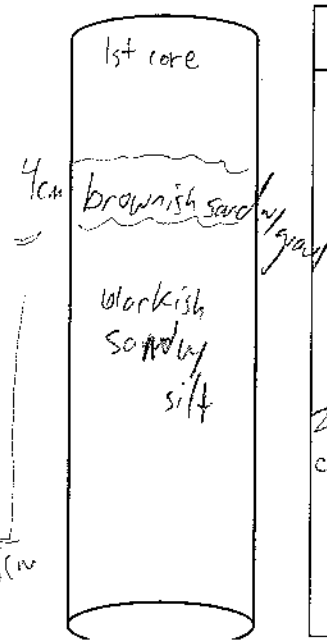
Collection Device: Scoop ☐ Eckman Dredge ☐ Corer ☒ Other ☐ Describe: _____

Sample ID(s): TS-6 Grid DSS1 _____ / _____ / _____

Sample Replicate Collected? YES or (NO) Sample Duplicate Collected? YES or (NO)

Replicate ID/Name: _____ Duplicate ID/Name: _____

Laboratory: Test America Parameters: _____



Depths (cm)	Texture	Color	Odor	Sample ID
18.5 8 23 2 cores composite	silty sand w/ some detritus, some gravel lost core not obtained as first was second core with some surface detritus	black GLEY 2 3/10B Slight sheen	slight oil odor	TS6

Sediment Sampling Data Sheet

EnviroScience

Sediment Texture Categories:

Sand:	Particles 0.06-2.0 mm in diameter, possessing a gritty texture when rubbed between fingers. Loose materials (not cohesive) that often cannot be molded into shapes (non-plastic).
Silt:	Particles 0.004-0.06 mm in diameter, generally fine material possessing a greasy or smooth, talc-like feel when rubbed between fingers. Non-plastic and not cohesive.
Clay:	Particles less than 0.004 mm in diameter, which forms a dense, gummy surface that is difficult to penetrate with tools (hardpan). Clay is both plastic and cohesive.
Marl:	Calcium carbonate, usually greyish-white, often containing fragments of mollusk shells.
Detritus:	Dead, unconsolidated organic material including sticks, wood, leaves, and other partially decayed coarse plant material.
Peat:	Partially decomposed plant materials characterized by an acidic pH; parts of plants such as *Sphagnum* moss sometimes visible.
Muck:	Black, extremely fine, flocculent material composed of completely decomposed organic material (excluding sewage).
Sludge:	Organic matter that is decidedly of human or animal origin (including manure and sewage).

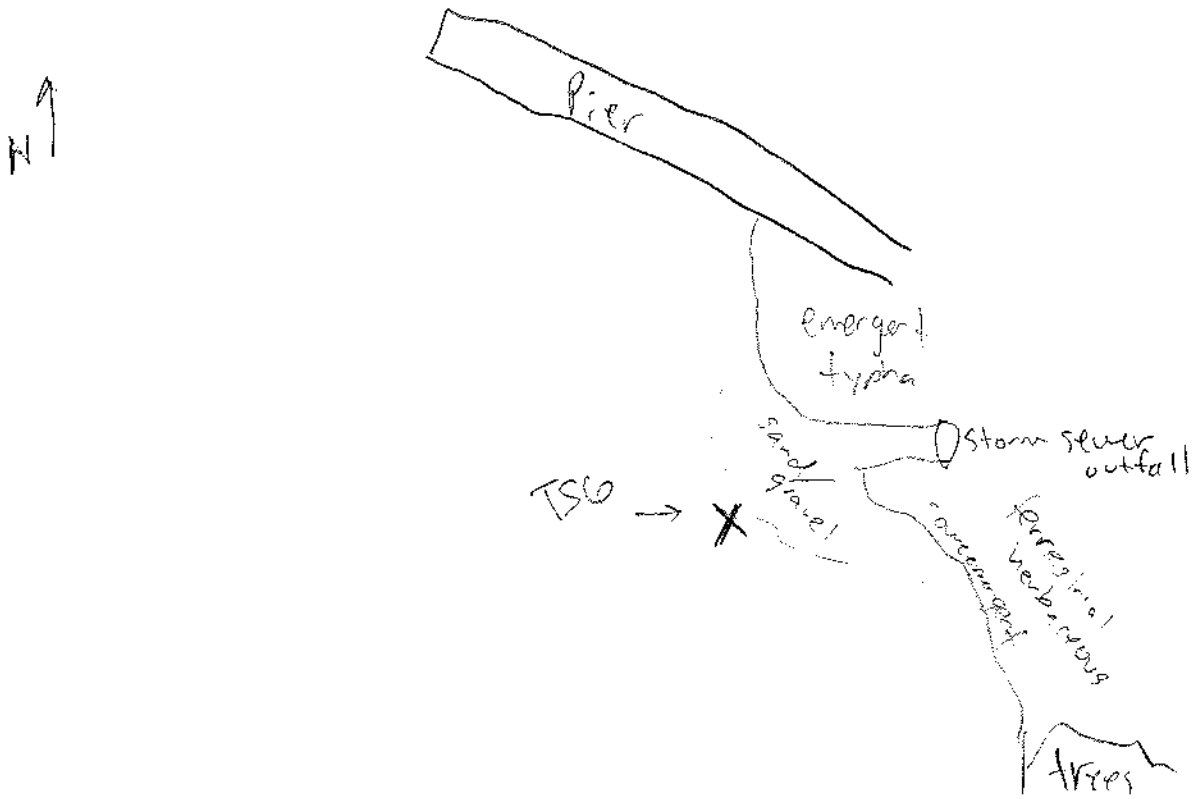
Site Comments/Observations:

_____

_____

_____

Site Drawing (include landmarks and sample location(s):



Sediment Sampling Data Sheet

EnviroScience

Project: Partners Env. 9338 Task: _____

Date: 05/30/2017 (mm/dd/yyyy) Time: 1710 (hh:mm) Project Manager: Paul Anderson

Collector(s): PA, AV

Weather Conditions: Partly cloudy 25°C

Sample Location Description: (Provide site diagram on opposite side or attach site map showing location)

Waterbody Name: Summit Lake River Mile or Site ID: D48

GPS Waypoint: D48 Latitude: 41°03'18.739"N (dd.ddddd) Longitude: 81°32'38.848"W (ddd.ddddd)

GPS Model/ID: Trimble GeoXH 2D / (3D) (circle) Error: _____ feet / meters (circle)

Coordinate System: NAD Site Description: Plato Ln. Storm Sewer

Ambient Site Information (water): 151.5%

Conductivity: 828 Units: mS/cm Dissolved Oxygen: 13.03 (mg/l) pH: 8.61 (S.U.) Temperature: 22.7 (°C)

1.6ft depth

Meter Model or ID: DSS Pro Current Velocity (fps): _____

Sediment Collection Information:

Water Depth: 2.5 (ft) or m Sediment Sample Depth: Total 1.6 (ft) or cm Sample Type: Grab ☐ Composite ☒

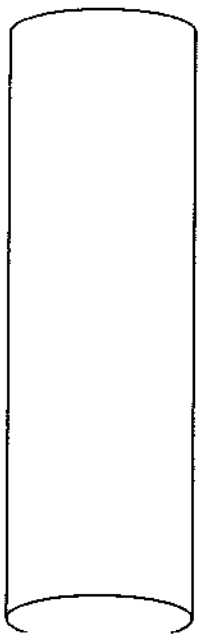
Collection Device: Scoop ☐ Eckman Dredge ☐ Corer ☒ Other ☐ Describe: _____

Sample ID(s): TS7 - Grid D49 _____ / _____ / _____

Sample Replicate Collected? YES or (NO) Sample Duplicate Collected? YES or (NO)

Replicate ID/Name: _____ Duplicate ID/Name: _____

Laboratory: Test America Parameters: _____



Depths (cm)	Texture	Color	Odor	Sample ID
25cm 12cm 2 cores composited	Silty Sand with Some gravel + Detritus + plastics	Black Gley2 2.5/ 10B Slight Sheen	oil odor moderate	TS7

Sediment Sampling Data Sheet

EnviroScience

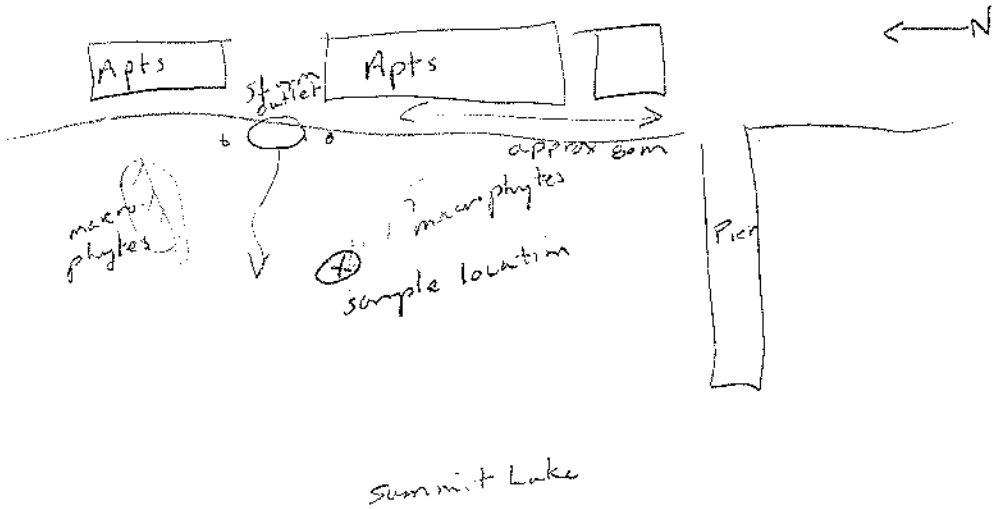
Sediment Texture Categories:

Sand:	Particles 0.06-2.0 mm in diameter, possessing a gritty texture when rubbed between fingers. Loose materials (not cohesive) that often cannot be molded into shapes (non-plastic).
Silt:	Particles 0.004-0.06 mm in diameter, generally fine material possessing a greasy or smooth, talc-like feel when rubbed between fingers. Non-plastic and not cohesive.
Clay:	Particles less than 0.004 mm in diameter, which forms a dense, gummy surface that is difficult to penetrate with tools (hardpan). Clay is both plastic and cohesive.
Marl:	Calcium carbonate, usually greyish-white, often containing fragments of mollusk shells.
Detritus:	Dead, unconsolidated organic material including sticks, wood, leaves, and other partially decayed coarse plant material.
Peat:	Partially decomposed plant materials characterized by an acidic pH; parts of plants such as *Sphagnum* moss sometimes visible.
Muck:	Black, extremely fine, flocculent material composed of completely decomposed organic material (excluding sewage).
Sludge:	Organic matter that is decidedly of human or animal origin (including manure and sewage).

Site Comments/Observations:

Delta of Sands and gravels around storm drain outlet transitions into finer material with sparse macrophyte growth. Depth drops off ~ 30 m from shoreline

Site Drawing (include landmarks and sample location(s):



Summit Lake

Sediment Sampling Data Sheet

EnviroScience

Project: Partners Env. Task: 3C

Date: 05/30/2017 (mm/dd/yyyy) Time: 1750 (hh:mm) Project Manager: Paul Anderson

Collector(s): AV, DA

Weather Conditions: partly cloudy, 75°C

Sample Location Description: (Provide site diagram on opposite side or attach site map showing location)

Waterbody Name: Summit Lake River Mile or Site ID: D27

GPS Waypoint: D27 Latitude: 41°03'26.840" N (dd.ddddd) Longitude: 81°32'34.975" W (ddd.ddddd)

GPS Model/ID: TrimbleGeoXH 2D / 3D (circle) Error: _____ feet / meters (circle)

Coordinate System: NAD Site Description: Basketball Court Storm Sewer

Ambient Site Information (water): 167.1 %

Conductivity: 817 Units: _____ Dissolved Oxygen: 14.17 (mg/l) pH: 8.74 (S.U.) Temperature: 22.9 (°C)

Meter Model or ID: DSSPro Current Velocity (fps): _____ Depth = 2.0 ft

Sediment Collection Information:

Water Depth: 4.7 (ft or m) Sediment Sample Depth: 5.0 (ft or cm) Sample Type: Grab ☐ Composite ☒

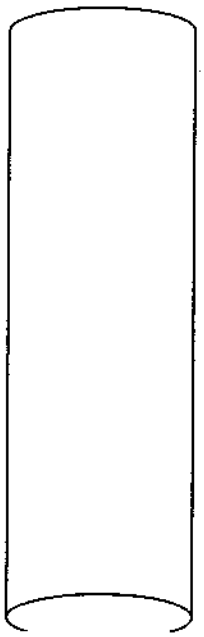
Collection Device: Scoop ☐ Eckman Dredge ☐ Corer ☒ Other ☐ Describe: _____

Sample ID(s): TS-8, Grid D27 / _____ / _____ / _____

Sample Replicate Collected? YES or (NO) Sample Duplicate Collected? YES or (NO)

Replicate ID/Name: _____ Duplicate ID/Name: _____

Laboratory: _____ Parameters: _____



Depths (cm)	Texture	Color	Odor	Sample ID
24 26	Sandy silt with some gravel and detritus	blackish/dark olive grey 2.5/5GY	oil sheen, slight odor smell	TS8

Sediment Sampling Data Sheet

EnviroScience

Sediment Texture Categories:

Sand: Particles 0.06-2.0 mm in diameter, possessing a gritty texture when rubbed between fingers. Loose materials (not cohesive) that often cannot be molded into shapes (non-plastic).

Silt: Particles 0.004-0.06 mm in diameter, generally fine material possessing a greasy or smooth, talc-like feel when rubbed between fingers. Non-plastic and not cohesive.

Clay: Particles less than 0.004 mm in diameter, which forms a dense, gummy surface that is difficult to penetrate with tools (hardpan). Clay is both plastic and cohesive.

Marl: Calcium carbonate, usually greyish-white, often containing fragments of mollusk shells.

Detritus: Dead, unconsolidated organic material including sticks, wood, leaves, and other partially decayed coarse plant material.

Peat: Partially decomposed plant materials characterized by an acidic pH; parts of plants such as *Sphagnum* moss sometimes visible.

Muck: Black, extremely fine, flocculent material composed of completely decomposed organic material (excluding sewage).

Sludge: Organic matter that is decidedly of human or animal origin (including manure and sewage).

Site Comments/Observations:

_____

_____

_____

Site Drawing (include landmarks and sample location(s):

Sediment Sampling Data Sheet

EnviroScience

Project: Partners Env 9338 Task: 3C

Date: 05/30/2017 (mm/dd/yyyy) Time: 1830 (hh:mm) Project Manager: Paul Anderson

Collector(s): PA, AV

Weather Conditions: 25°C partly cloudy

Sample Location Description: (Provide site diagram on opposite side or attach site map showing location)

Waterbody Name: Summit Lake River Mile or Site ID: Canal-1

GPS Waypoint: Canal-1 Latitude: 41°03'38.124"N (dd.ddddd) Longitude: 81°32'34.294"W (ddd.ddddd)

GPS Model/ID: Trimble GeoXH 2D / (3D) (circle) Error: _____ feet / meters (circle)

Coordinate System: NAD Site Description: North Reach of 0th E Canal

Ambient Site Information (water): 173.2%

Conductivity: 820 Units: mS/cm Dissolved Oxygen: 14.78 (mg/l) pH: 8.79 (S.U.) Temperature: 23.2 (°C)

Meter Model or ID: DSS Pro Current Velocity (fps): _____ Depth 1.8ft

Sediment Collection Information:

Water Depth: 3.75 (ft or m) Sediment Sample Depth: 2.45 (ft or cm) Sample Type: Grab ☐ Composite ☒

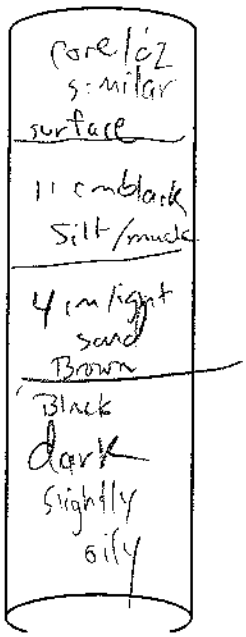
Collection Device: Scoop ☐ Eckman Dredge ☐ Corer ☒ Other ☐ Describe: _____

Sample ID(s): TS9 Canal-1 / _____ / _____ / _____

Sample Replicate Collected? YES or (NO) Sample Duplicate Collected? YES or (NO)

Replicate ID/Name: _____ Duplicate ID/Name: _____

Laboratory: _____ Parameters: _____



Depths (cm)	Texture	Color	Odor	Sample ID
23			oil	TS9
175				

Sediment Sampling Data Sheet

EnviroScience

Sediment Texture Categories:

Sand:	Particles 0.06-2.0 mm in diameter, possessing a gritty texture when rubbed between fingers. Loose materials (not cohesive) that often cannot be molded into shapes (non-plastic).
Silt:	Particles 0.004-0.06 mm in diameter, generally fine material possessing a greasy or smooth, talc-like feel when rubbed between fingers. Non-plastic and not cohesive.
Clay:	Particles less than 0.004 mm in diameter, which forms a dense, gummy surface that is difficult to penetrate with tools (hardpan). Clay is both plastic and cohesive.
Marl:	Calcium carbonate, usually greyish-white, often containing fragments of mollusk shells.
Detritus:	Dead, unconsolidated organic material including sticks, wood, leaves, and other partially decayed coarse plant material.
Peat:	Partially decomposed plant materials characterized by an acidic pH; parts of plants such as *Sphagnum* moss sometimes visible.
Muck:	Black, extremely fine, flocculent material composed of completely decomposed organic material (excluding sewage).
Sludge:	Organic matter that is decidedly of human or animal origin (including manure and sewage).

Site Comments/Observations:

North Canal (outlet) on River Right

Site Drawing (include landmarks and sample location(s):

Appendix D. TestAmerica Laboratory Analytical Report 240-80215-1 (Rev 1)

Page Intentionally Blank

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Canton
4101 Shuffel Street NW
North Canton, OH 44720
Tel: (330)497-9396

TestAmerica Job ID: 240-80215-1
Client Project/Site: Summit Lake, Akron, Ohio
Revision: 1

For:
EnviroScience Inc
5070 Stow Rd.
Stow, Ohio 44224

Attn: Paul Anderson

Amy McCormick

Authorized for release by:
8/11/2017 9:25:53 AM

Amy McCormick, Project Manager II
(330)966-9787
amy.mccormick@testamericainc.com

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.

Table of Contents

Cover Page 1
Table of Contents 2
Definitions/Glossary 3
Case Narrative 4
Method Summary 8
Sample Summary 9
Detection Summary 10
Client Sample Results 24
Surrogate Summary 54
QC Sample Results 55
QC Association Summary 67
Lab Chronicle 73
Certification Summary 80
Chain of Custody 82
Receipt Checklists 90

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
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F2	MS/MSD RPD exceeds control 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.

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
H	Sample was prepped or analyzed beyond the specified holding time

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
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 (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 240-80215-1

Laboratory: TestAmerica Canton

Narrative

CASE NARRATIVE
REVISED

Client: EnviroScience Inc

Project: Summit Lake, Akron, Ohio

Report Number: 240-80215-1

Report has been revised to provide corrected results for PCBs for sample TS5 - CANAL_2 (240-80215-6) and a corrected case narrative.

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

The D422 Grain Size analysis was performed at the TestAmerica Burlington Laboratory.

The Lloyd Kahn Method Total Organic Carbon analysis was performed at the TestAmerica Pittsburgh Laboratory.

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

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

TestAmerica utilizes USEPA approved methods, where applicable, in all analytical work. The samples presented in this report were analyzed for the parameter(s) listed on the analytical methods summary page in accordance with the method(s) indicated and were analyzed in accordance with Ohio Voluntary Action Program protocols, where applicable. The following requested analytes, parameter groups or methods analyzed and contained in this report are not certified by the laboratory: Strontium by 6020 (samples 1-10); Grain Size by D422 (samples 1-10); Total Organic Carbon by Lloyd Kahn Method (samples 1-10); Chromium by 6020 (samples 1-6), and Lead by 6020 (sample 1).

A summary of QC data for these analyses is included at the back of the report.

TestAmerica Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the applicable methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 5/31/2017 12:00 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 4.9º C and 5.6º C.

SEMIVOLATILE ORGANIC COMPOUNDS (GCMS)

Samples TS1 - GRID B37 (240-80215-1), TS2 - GRID C8 DUP A (240-80215-2), TS2 - GRID C8 DUP B (240-80215-3), TS3 - GRID B51

Job ID: 240-80215-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

(240-80215-4), TS4 - GRID B61 (240-80215-5), TS5 - CANAL_2 (240-80215-6), TS6 - GRID D55 (240-80215-7), TS7 - GRID D48 (240-80215-8), TS8 - GRID D27 (240-80215-9) and TS9 - CANAL_1 (240-80215-10) were analyzed for semivolatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 06/01/2017 and analyzed on 06/07/2017.

Surrogates are added during the extraction process prior to dilution. When the sample is diluted, surrogate recoveries are diluted out and no corrective action is required.

Samples TS1 - GRID B37 (240-80215-1)[4X], TS2 - GRID C8 DUP A (240-80215-2)[12.5X], TS2 - GRID C8 DUP B (240-80215-3)[12.5X], TS4 - GRID B61 (240-80215-5)[20X], TS5 - CANAL_2 (240-80215-6)[4X], TS6 - GRID D55 (240-80215-7)[2X], TS7 - GRID D48 (240-80215-8)[2X], TS8 - GRID D27 (240-80215-9)[10X] and TS9 - CANAL_1 (240-80215-10)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

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

POLYCHLORINATED BIPHENYLS (PCBS)

Samples TS1 - GRID B37 (240-80215-1), TS2 - GRID C8 DUP A (240-80215-2), TS2 - GRID C8 DUP B (240-80215-3), TS3 - GRID B51 (240-80215-4), TS4 - GRID B61 (240-80215-5), TS5 - CANAL_2 (240-80215-6), TS6 - GRID D55 (240-80215-7), TS7 - GRID D48 (240-80215-8), TS8 - GRID D27 (240-80215-9) and TS9 - CANAL_1 (240-80215-10) were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082. The samples were prepared on 06/01/2017 and analyzed on 06/03/2017.

Surrogates are added during the extraction process prior to dilution. When the sample dilution is 5X or greater, surrogate recoveries are diluted out and no corrective action is required. All of the samples in this data set analyzed for PCBs were subjected to the sulfuric acid cleanup procedure before instrumental analysis, per EPA Method 3665A.

Samples TS1 - GRID B37 (240-80215-1), TS2 - GRID C8 DUP A (240-80215-2), TS2 - GRID C8 DUP B (240-80215-3), TS3 - GRID B51 (240-80215-4), TS4 - GRID B61 (240-80215-5), TS5 - CANAL_2 (240-80215-6), TS6 - GRID D55 (240-80215-7), TS7 - GRID D48 (240-80215-8), TS8 - GRID D27 (240-80215-9), TS9 - CANAL_1 (240-80215-10), (240-80215-C-10-B MS) and (240-80215-C-10-C MSD) required a tetrabutylammonium sulfite (TBA) clean-up to reduce matrix interferences caused by sulfur.

Samples TS2 - GRID C8 DUP A (240-80215-2), TS2 - GRID C8 DUP B (240-80215-3) and TS4 - GRID B61 (240-80215-5) appear to contain polychlorinated biphenyls (PCBs); however, due to weathering or other environmental processes, the PCBs in the samples do not closely match any of the laboratory's Aroclor standards used for instrument calibration. The samples have been quantified and reported as Aroclor 1254. Due to the poor match with the Aroclor standards, there is increased qualitative and quantitative uncertainty associated with these results.

The %RPD between the primary and confirmation column exceeded 40% for Aroclor 1254 for sample TS7 - GRID D48 (240-80215-8). The lower value has been reported and qualified in accordance with the laboratory's SOP.

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

TOTAL METALS (ICP)

Samples TS1 - GRID B37 (240-80215-1), TS2 - GRID C8 DUP A (240-80215-2), TS2 - GRID C8 DUP B (240-80215-3), TS3 - GRID B51 (240-80215-4), TS4 - GRID B61 (240-80215-5), TS5 - CANAL_2 (240-80215-6), TS6 - GRID D55 (240-80215-7), TS7 - GRID D48 (240-80215-8), TS8 - GRID D27 (240-80215-9) and TS9 - CANAL_1 (240-80215-10) were analyzed for total metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were prepared on 06/02/2017 and 06/05/2017 and analyzed on 06/05/2017 and 06/06/2017.

Calcium, Magnesium, Potassium and Sodium were detected in method blank MB 240-281416/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Magnesium, Potassium and Sodium were detected in method blank MB 240-281655/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Job ID: 240-80215-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

Aluminum and Iron failed the recovery criteria high for the MS of sample TS1 - GRID B37MS (240-80215-1) in batch 240-281715.

Aluminum failed the recovery criteria high for the MSD of sample TS1 - GRID B37MSD (240-80215-1) in batch 240-281715.

Calcium and Magnesium failed the recovery criteria low for the MS of sample TS6 - GRID D55MS (240-80215-7) in batch 240-281956. Aluminum and Iron failed the recovery criteria high.

Magnesium failed the recovery criteria low for the MSD of sample TS6 - GRID D55MSD (240-80215-7) in batch 240-281956. Aluminum and Iron failed the recovery criteria high.

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

TOTAL METALS (ICPMS)

Samples TS1 - GRID B37 (240-80215-1), TS2 - GRID C8 DUP A (240-80215-2), TS2 - GRID C8 DUP B (240-80215-3), TS3 - GRID B51 (240-80215-4), TS4 - GRID B61 (240-80215-5), TS5 - CANAL_2 (240-80215-6), TS6 - GRID D55 (240-80215-7), TS7 - GRID D48 (240-80215-8), TS8 - GRID D27 (240-80215-9) and TS9 - CANAL_1 (240-80215-10) were analyzed for total metals (ICPMS) in accordance with EPA SW-846 Method 6020. The samples were prepared on 06/02/2017 and 06/05/2017 and analyzed on 06/06/2017, 06/07/2017 and 06/08/2017.

Chromium was detected in method blank MB 240-281416/1-A at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Several analytes were detected in method blank MB 240-281416/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Chromium, Copper, Lead, Nickel and Strontium were detected in method blank MB 240-281655/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Lead failed the recovery criteria high for the MS of sample TS1 - GRID B37MS (240-80215-1) in batch 240-281775.

Zinc failed the recovery criteria high for the MSD of sample TS1 - GRID B37MSD (240-80215-1) in batch 240-281775. Lead and Zinc exceeded the RPD limit.

Lead failed the recovery criteria high for the MS of sample TS6 - GRID D55MS (240-80215-7) in batch 240-282150.

Lead, Manganese and Zinc failed the recovery criteria high for the MSD of sample TS6 - GRID D55MSD (240-80215-7) in batch 240-282150. Several analytes exceeded the RPD limit.

The CCB associated with sample TS1 - GRID B37 (240-80215-1) was greater than or equal to the requested reporting for Lead.

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

TOTAL MERCURY

Samples TS1 - GRID B37 (240-80215-1), TS2 - GRID C8 DUP A (240-80215-2), TS2 - GRID C8 DUP B (240-80215-3), TS3 - GRID B51 (240-80215-4), TS4 - GRID B61 (240-80215-5), TS5 - CANAL_2 (240-80215-6), TS6 - GRID D55 (240-80215-7), TS7 - GRID D48 (240-80215-8), TS8 - GRID D27 (240-80215-9) and TS9 - CANAL_1 (240-80215-10) were analyzed for total mercury in accordance with EPA SW-846 Method 7471A. The samples were prepared on 06/02/2017, 06/03/2017 and 06/06/2017 and analyzed on 06/05/2017 and 06/07/2017.

Mercury failed the recovery criteria high for the MS of sample TS1 - GRID B37MS (240-80215-1) in batch 240-282035.

Mercury failed the recovery criteria low for the MSD of sample TS1 - GRID B37MSD (240-80215-1) in batch 240-282035. Mercury exceeded the RPD limit.

Job ID: 240-80215-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

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

GRAIN SIZE

Samples TS1 - GRID B37 (240-80215-1), TS2 - GRID C8 DUP A (240-80215-2), TS2 - GRID C8 DUP B (240-80215-3), TS3 - GRID B51 (240-80215-4), TS4 - GRID B61 (240-80215-5), TS5 - CANAL_2 (240-80215-6), TS6 - GRID D55 (240-80215-7), TS7 - GRID D48 (240-80215-8), TS8 - GRID D27 (240-80215-9) and TS9 - CANAL_1 (240-80215-10) were analyzed for grain size in accordance with ASTM Method D422 grain size. The samples were analyzed on 06/02/2017.

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

TOTAL ORGANIC CARBON

Samples TS1 - GRID B37 (240-80215-1), TS2 - GRID C8 DUP A (240-80215-2), TS2 - GRID C8 DUP B (240-80215-3), TS3 - GRID B51 (240-80215-4), TS4 - GRID B61 (240-80215-5), TS5 - CANAL_2 (240-80215-6), TS6 - GRID D55 (240-80215-7), TS7 - GRID D48 (240-80215-8), TS8 - GRID D27 (240-80215-9) and TS9 - CANAL_1 (240-80215-10) were analyzed for total organic carbon in accordance with Lloyd Kahn Method. The samples were analyzed on 06/12/2017, 06/13/2017 and 06/14/2017.

The reporting limit for samples TS1 - GRID B37 (240-80215-1), TS2 - GRID C8 DUP A (240-80215-2), TS2 - GRID C8 DUP B (240-80215-3), TS3 - GRID B51 (240-80215-4), TS4 - GRID B61 (240-80215-5), TS5 - CANAL_2 (240-80215-6), TS6 - GRID D55 (240-80215-7), TS7 - GRID D48 (240-80215-8), TS8 - GRID D27 (240-80215-9) and TS9 - CANAL_1 (240-80215-10) is a nominal value and does not reflect adjustments in sample mass processed on an individual basis.

Reanalysis of samples TS7 - GRID D48 (240-80215-8) and TS8 - GRID D27 (240-80215-9) was performed outside of the analytical holding time due to failing the 50% RPD TOC-duplicate requirement in the initial analytical run. Only the results that passed that requirement have been reported .

Total Organic Carbon - Duplicates failed the recovery criteria high for the MS of sample TS7 - GRID D48MS (240-80215-8) in batch 180-214148.

Total Organic Carbon - Duplicates exceeded the RPD limit for the MSD of sample TS7 - GRID D48MSD (240-80215-8) in batch 180-214148.

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

PERCENT SOLIDS

Samples TS1 - GRID B37 (240-80215-1), TS2 - GRID C8 DUP A (240-80215-2), TS2 - GRID C8 DUP B (240-80215-3), TS3 - GRID B51 (240-80215-4), TS4 - GRID B61 (240-80215-5), TS5 - CANAL_2 (240-80215-6), TS6 - GRID D55 (240-80215-7), TS7 - GRID D48 (240-80215-8), TS8 - GRID D27 (240-80215-9) and TS9 - CANAL_1 (240-80215-10) were analyzed for percent solids in accordance with EPA Method 160.3 MOD. The samples were analyzed on 06/01/2017.

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

Method Summary

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron, Ohio

TestAmerica Job ID: 240-80215-1

Method	Method Description	Protocol	Laboratory
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CAN
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL CAN
6010B	Metals (ICP)	SW846	TAL CAN
6020	Metals (ICP/MS)	SW846	TAL CAN
7471A	Mercury (CVAA)	SW846	TAL CAN
Lloyd Kahn	Organic Carbon, Total (TOC)	EPA	TAL PIT
Moisture	Percent Moisture	EPA	TAL CAN
D422	Grain Size	ASTM	TAL BUR

Protocol References:

ASTM = ASTM International

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 BUR = TestAmerica Burlington, 30 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Sample Summary

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron, Ohio

TestAmerica Job ID: 240-80215-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-80215-1	TS1 - GRID B37	Solid	05/30/17 10:28	05/31/17 12:00
240-80215-2	TS2 - GRID C8 DUP A	Solid	05/30/17 11:55	05/31/17 12:00
240-80215-3	TS2 - GRID C8 DUP B	Solid	05/30/17 11:55	05/31/17 12:00
240-80215-4	TS3 - GRID B51	Solid	05/30/17 13:58	05/31/17 12:00
240-80215-5	TS4 - GRID B61	Solid	05/30/17 15:00	05/31/17 12:00
240-80215-6	TS5 - CANAL_2	Solid	05/30/17 15:40	05/31/17 12:00
240-80215-7	TS6 - GRID D55	Solid	05/30/17 16:30	05/31/17 12:00
240-80215-8	TS7 - GRID D48	Solid	05/30/17 17:10	05/31/17 12:00
240-80215-9	TS8 - GRID D27	Solid	05/30/17 17:50	05/31/17 12:00
240-80215-10	TS9 - CANAL_1	Solid	05/30/17 18:30	05/31/17 12:00

Detection Summary

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron, Ohio

TestAmerica Job ID: 240-80215-1

Client Sample ID: TS1 - GRID B37

Lab Sample ID: 240-80215-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	500		40	4.5	ug/Kg	4	☼	8270C	Total/NA
Acenaphthylene	69		40	2.1	ug/Kg	4	☼	8270C	Total/NA
Anthracene	1100		40	4.6	ug/Kg	4	☼	8270C	Total/NA
Benzo[a]anthracene	2300		40	3.7	ug/Kg	4	☼	8270C	Total/NA
Benzo[a]pyrene	1900		40	3.8	ug/Kg	4	☼	8270C	Total/NA
Benzo[b]fluoranthene	2400		40	3.5	ug/Kg	4	☼	8270C	Total/NA
Benzo[g,h,i]perylene	980		40	2.1	ug/Kg	4	☼	8270C	Total/NA
Benzo[k]fluoranthene	1000		40	4.0	ug/Kg	4	☼	8270C	Total/NA
Chrysene	2200		40	6.5	ug/Kg	4	☼	8270C	Total/NA
Dibenz(a,h)anthracene	270		40	3.9	ug/Kg	4	☼	8270C	Total/NA
Fluoranthene	4700		40	3.3	ug/Kg	4	☼	8270C	Total/NA
Fluorene	460		40	3.2	ug/Kg	4	☼	8270C	Total/NA
Indeno[1,2,3-cd]pyrene	910		40	2.1	ug/Kg	4	☼	8270C	Total/NA
Naphthalene	920		40	4.9	ug/Kg	4	☼	8270C	Total/NA
Phenanthrene	3100		40	4.3	ug/Kg	4	☼	8270C	Total/NA
Pyrene	4400		40	2.6	ug/Kg	4	☼	8270C	Total/NA
Aluminum	1900		23	6.6	mg/Kg	1	☼	6010B	Total/NA
Calcium	4700	B	570	26	mg/Kg	1	☼	6010B	Total/NA
Iron	9100		11	3.6	mg/Kg	1	☼	6010B	Total/NA
Magnesium	820	B	570	5.9	mg/Kg	1	☼	6010B	Total/NA
Potassium	180	J B	570	7.1	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.88		0.57	0.39	mg/Kg	1	☼	6010B	Total/NA
Sodium	140	J B	570	22	mg/Kg	1	☼	6010B	Total/NA
Arsenic	7.5		1.1	0.030	mg/Kg	2	☼	6020	Total/NA
Barium	38		1.1	0.25	mg/Kg	2	☼	6020	Total/NA
Cadmium	0.42		0.23	0.0042	mg/Kg	2	☼	6020	Total/NA
Chromium	4.7	B	0.46	0.068	mg/Kg	2	☼	6020	Total/NA
Copper	29	B	0.46	0.11	mg/Kg	2	☼	6020	Total/NA
Lead	70	B F1 F2	0.23	0.051	mg/Kg	2	☼	6020	Total/NA
Manganese	140	B	1.1	0.14	mg/Kg	2	☼	6020	Total/NA
Nickel	6.9	B	0.46	0.044	mg/Kg	2	☼	6020	Total/NA
Strontium	15	B	2.3	0.028	mg/Kg	2	☼	6020	Total/NA
Zinc	400	B F1 F2	4.6	0.57	mg/Kg	2	☼	6020	Total/NA
Mercury	0.25	F1 F2	0.16	0.029	mg/Kg	1	☼	7471A	Total/NA
Total Organic Carbon - Duplicates	50000		1500	1100	mg/Kg	1	☼	Lloyd Kahn	Total/NA
Gravel	9.2				%	1		D422	Total/NA
Sieve Size 3 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Sand	87.1				%	1		D422	Total/NA
Sieve Size 2 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Coarse Sand	9.5				%	1		D422	Total/NA
Sieve Size 1.5 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Medium Sand	21.6				%	1		D422	Total/NA
Sieve Size 1 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Fine Sand	56.0				%	1		D422	Total/NA
Sieve Size 0.75 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Sieve Size 0.375 inch - Percent Finer	96.7				% Passing	1		D422	Total/NA
Silt	1.9				%	1		D422	Total/NA
Clay	1.9				%	1		D422	Total/NA
Sieve Size #4 - Percent Finer	90.8				% Passing	1		D422	Total/NA
Sieve Size #10 - Percent Finer	81.3				% Passing	1		D422	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: TS1 - GRID B37 (Continued)

Lab Sample ID: 240-80215-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sieve Size #20 - Percent Finer	73.0				% Passing	1		D422	Total/NA
Sieve Size #40 - Percent Finer	59.7				% Passing	1		D422	Total/NA
Sieve Size #60 - Percent Finer	38.1				% Passing	1		D422	Total/NA
Sieve Size #80 - Percent Finer	24.3				% Passing	1		D422	Total/NA
Sieve Size #100 - Percent Finer	17.0				% Passing	1		D422	Total/NA
Sieve Size #200 - Percent Finer	3.7				% Passing	1		D422	Total/NA
Hydrometer Reading 1 - Percent Finer	2.8				% Passing	1		D422	Total/NA
Hydrometer Reading 2 - Percent Finer	2.8				% Passing	1		D422	Total/NA
Hydrometer Reading 3 - Percent Finer	2.4				% Passing	1		D422	Total/NA
Hydrometer Reading 4 - Percent Finer	2.4				% Passing	1		D422	Total/NA
Hydrometer Reading 5 - Percent Finer	1.9				% Passing	1		D422	Total/NA
Hydrometer Reading 6 - Percent Finer	1.9				% Passing	1		D422	Total/NA
Hydrometer Reading 7 - Percent Finer	0.8				% Passing	1		D422	Total/NA

Client Sample ID: TS2 - GRID C8 DUP A

Lab Sample ID: 240-80215-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Anthracene	250	J	300	35	ug/Kg	12.5	☼	8270C	Total/NA
Benzo[a]anthracene	1400		300	28	ug/Kg	12.5	☼	8270C	Total/NA
Benzo[a]pyrene	2000		300	28	ug/Kg	12.5	☼	8270C	Total/NA
Benzo[b]fluoranthene	3000		300	26	ug/Kg	12.5	☼	8270C	Total/NA
Benzo[g,h,i]perylene	1900		300	16	ug/Kg	12.5	☼	8270C	Total/NA
Benzo[k]fluoranthene	1000		300	30	ug/Kg	12.5	☼	8270C	Total/NA
Chrysene	2200		300	49	ug/Kg	12.5	☼	8270C	Total/NA
Dibenz(a,h)anthracene	350		300	29	ug/Kg	12.5	☼	8270C	Total/NA
Fluoranthene	2800		300	24	ug/Kg	12.5	☼	8270C	Total/NA
Fluorene	180	J	300	24	ug/Kg	12.5	☼	8270C	Total/NA
Indeno[1,2,3-cd]pyrene	1500		300	16	ug/Kg	12.5	☼	8270C	Total/NA
Naphthalene	160	J	300	36	ug/Kg	12.5	☼	8270C	Total/NA
Phenanthrene	1400		300	32	ug/Kg	12.5	☼	8270C	Total/NA
Pyrene	3000		300	20	ug/Kg	12.5	☼	8270C	Total/NA
Aroclor-1254	170	J	180	49	ug/Kg	1	☼	8082	Total/NA
Aluminum	6200		69	20	mg/Kg	1	☼	6010B	Total/NA
Calcium	40000	B	1700	79	mg/Kg	1	☼	6010B	Total/NA
Iron	20000		34	11	mg/Kg	1	☼	6010B	Total/NA
Magnesium	6300	B	1700	18	mg/Kg	1	☼	6010B	Total/NA
Potassium	780	J B	1700	21	mg/Kg	1	☼	6010B	Total/NA
Sodium	740	J B	1700	65	mg/Kg	1	☼	6010B	Total/NA
Arsenic	17		3.4	0.089	mg/Kg	2	☼	6020	Total/NA
Barium	96		3.4	0.76	mg/Kg	2	☼	6020	Total/NA
Cadmium	1.2		0.69	0.013	mg/Kg	2	☼	6020	Total/NA
Chromium	44	B	1.4	0.21	mg/Kg	2	☼	6020	Total/NA
Copper	62	B	1.4	0.33	mg/Kg	2	☼	6020	Total/NA
Lead	200	B	0.69	0.15	mg/Kg	2	☼	6020	Total/NA
Manganese	470	B	3.4	0.41	mg/Kg	2	☼	6020	Total/NA
Nickel	24	B	1.4	0.13	mg/Kg	2	☼	6020	Total/NA
Strontium	69	B	6.9	0.086	mg/Kg	2	☼	6020	Total/NA
Zinc	500	B	14	1.7	mg/Kg	2	☼	6020	Total/NA
Mercury	0.084	J	0.35	0.063	mg/Kg	1	☼	7471A	Total/NA
Total Organic Carbon - Duplicates	120000		3500	2600	mg/Kg	1	☼	Lloyd Kahn	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron, Ohio

TestAmerica Job ID: 240-80215-1

Client Sample ID: TS2 - GRID C8 DUP A (Continued) — Lab Sample ID: 240-80215-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Gravel	0.0				%	1		D422	Total/NA
Sieve Size 3 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Sand	51.1				%	1		D422	Total/NA
Sieve Size 2 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Coarse Sand	10.5				%	1		D422	Total/NA
Sieve Size 1.5 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Medium Sand	9.3				%	1		D422	Total/NA
Sieve Size 1 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Fine Sand	31.3				%	1		D422	Total/NA
Sieve Size 0.75 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Sieve Size 0.375 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Silt	39.9				%	1		D422	Total/NA
Clay	9.0				%	1		D422	Total/NA
Sieve Size #4 - Percent Finer	100.0				% Passing	1		D422	Total/NA
Sieve Size #10 - Percent Finer	89.5				% Passing	1		D422	Total/NA
Sieve Size #20 - Percent Finer	85.2				% Passing	1		D422	Total/NA
Sieve Size #40 - Percent Finer	80.2				% Passing	1		D422	Total/NA
Sieve Size #60 - Percent Finer	71.7				% Passing	1		D422	Total/NA
Sieve Size #80 - Percent Finer	64.6				% Passing	1		D422	Total/NA
Sieve Size #100 - Percent Finer	60.9				% Passing	1		D422	Total/NA
Sieve Size #200 - Percent Finer	48.9				% Passing	1		D422	Total/NA
Hydrometer Reading 1 - Percent Finer	28.4				% Passing	1		D422	Total/NA
Hydrometer Reading 2 - Percent Finer	22.4				% Passing	1		D422	Total/NA
Hydrometer Reading 3 - Percent Finer	16.4				% Passing	1		D422	Total/NA
Hydrometer Reading 4 - Percent Finer	12.0				% Passing	1		D422	Total/NA
Hydrometer Reading 5 - Percent Finer	9.0				% Passing	1		D422	Total/NA
Hydrometer Reading 6 - Percent Finer	6.0				% Passing	1		D422	Total/NA
Hydrometer Reading 7 - Percent Finer	2.6				% Passing	1		D422	Total/NA

Client Sample ID: TS2 - GRID C8 DUP B — Lab Sample ID: 240-80215-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Anthracene	220	J	280	33	ug/Kg	12.5	☼	8270C	Total/NA
Benzo[a]anthracene	830		280	27	ug/Kg	12.5	☼	8270C	Total/NA
Benzo[a]pyrene	910		280	27	ug/Kg	12.5	☼	8270C	Total/NA
Benzo[b]fluoranthene	1700		280	25	ug/Kg	12.5	☼	8270C	Total/NA
Benzo[g,h,i]perylene	880		280	15	ug/Kg	12.5	☼	8270C	Total/NA
Benzo[k]fluoranthene	500		280	29	ug/Kg	12.5	☼	8270C	Total/NA
Chrysene	1500		280	46	ug/Kg	12.5	☼	8270C	Total/NA
Dibenz(a,h)anthracene	240	J	280	28	ug/Kg	12.5	☼	8270C	Total/NA
Fluoranthene	2200		280	23	ug/Kg	12.5	☼	8270C	Total/NA
Fluorene	170	J	280	22	ug/Kg	12.5	☼	8270C	Total/NA
Indeno[1,2,3-cd]pyrene	700		280	15	ug/Kg	12.5	☼	8270C	Total/NA
Naphthalene	160	J	280	35	ug/Kg	12.5	☼	8270C	Total/NA
Phenanthrene	1200		280	31	ug/Kg	12.5	☼	8270C	Total/NA
Pyrene	2100		280	19	ug/Kg	12.5	☼	8270C	Total/NA
Aroclor-1254	190		160	45	ug/Kg	1	☼	8082	Total/NA
Aluminum	6400		54	16	mg/Kg	1	☼	6010B	Total/NA
Calcium	42000	B	1400	62	mg/Kg	1	☼	6010B	Total/NA
Iron	21000		27	8.7	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: TS2 - GRID C8 DUP B (Continued) — Lab Sample ID: 240-80215-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Magnesium	6700	B	1400	14	mg/Kg	1	☼	6010B	Total/NA
Potassium	800	J B	1400	17	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.92	J	1.4	0.92	mg/Kg	1	☼	6010B	Total/NA
Sodium	700	J B	1400	51	mg/Kg	1	☼	6010B	Total/NA
Arsenic	16		2.7	0.070	mg/Kg	2	☼	6020	Total/NA
Barium	100		2.7	0.60	mg/Kg	2	☼	6020	Total/NA
Cadmium	1.1		0.54	0.010	mg/Kg	2	☼	6020	Total/NA
Chromium	44	B	1.1	0.16	mg/Kg	2	☼	6020	Total/NA
Copper	59	B	1.1	0.26	mg/Kg	2	☼	6020	Total/NA
Lead	210	B	0.54	0.12	mg/Kg	2	☼	6020	Total/NA
Manganese	490	B	2.7	0.32	mg/Kg	2	☼	6020	Total/NA
Nickel	25	B	1.1	0.11	mg/Kg	2	☼	6020	Total/NA
Strontium	69	B	5.4	0.068	mg/Kg	2	☼	6020	Total/NA
Zinc	490	B	11	1.4	mg/Kg	2	☼	6020	Total/NA
Mercury	0.095	J	0.39	0.070	mg/Kg	1	☼	7471A	Total/NA
Total Organic Carbon - Duplicates	120000		3400	2500	mg/Kg	1	☼	Lloyd Kahn	Total/NA
Gravel	0.0				%	1		D422	Total/NA
Sieve Size 3 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Sand	53.8				%	1		D422	Total/NA
Sieve Size 2 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Coarse Sand	13.1				%	1		D422	Total/NA
Sieve Size 1.5 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Medium Sand	9.1				%	1		D422	Total/NA
Sieve Size 1 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Fine Sand	31.6				%	1		D422	Total/NA
Sieve Size 0.75 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Sieve Size 0.375 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Silt	37.9				%	1		D422	Total/NA
Clay	8.3				%	1		D422	Total/NA
Sieve Size #4 - Percent Finer	100.0				% Passing	1		D422	Total/NA
Sieve Size #10 - Percent Finer	86.9				% Passing	1		D422	Total/NA
Sieve Size #20 - Percent Finer	83.0				% Passing	1		D422	Total/NA
Sieve Size #40 - Percent Finer	77.8				% Passing	1		D422	Total/NA
Sieve Size #60 - Percent Finer	69.5				% Passing	1		D422	Total/NA
Sieve Size #80 - Percent Finer	62.3				% Passing	1		D422	Total/NA
Sieve Size #100 - Percent Finer	58.5				% Passing	1		D422	Total/NA
Sieve Size #200 - Percent Finer	46.2				% Passing	1		D422	Total/NA
Hydrometer Reading 1 - Percent Finer	24.9				% Passing	1		D422	Total/NA
Hydrometer Reading 2 - Percent Finer	20.8				% Passing	1		D422	Total/NA
Hydrometer Reading 3 - Percent Finer	13.8				% Passing	1		D422	Total/NA
Hydrometer Reading 4 - Percent Finer	11.1				% Passing	1		D422	Total/NA
Hydrometer Reading 5 - Percent Finer	8.3				% Passing	1		D422	Total/NA
Hydrometer Reading 6 - Percent Finer	4.2				% Passing	1		D422	Total/NA
Hydrometer Reading 7 - Percent Finer	2.4				% Passing	1		D422	Total/NA

Client Sample ID: TS3 - GRID B51 — Lab Sample ID: 240-80215-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	30		10	1.2	ug/Kg	1	☼	8270C	Total/NA
Acenaphthylene	15		10	0.54	ug/Kg	1	☼	8270C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: TS3 - GRID B51 (Continued)

Lab Sample ID: 240-80215-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Anthracene	79		10	1.2	ug/Kg	1	☼	8270C	Total/NA
Benzo[a]anthracene	210		10	0.97	ug/Kg	1	☼	8270C	Total/NA
Benzo[a]pyrene	190		10	0.99	ug/Kg	1	☼	8270C	Total/NA
Benzo[b]fluoranthene	320		10	0.91	ug/Kg	1	☼	8270C	Total/NA
Benzo[g,h,i]perylene	110		10	0.54	ug/Kg	1	☼	8270C	Total/NA
Benzo[k]fluoranthene	100		10	1.1	ug/Kg	1	☼	8270C	Total/NA
Chrysene	260		10	1.7	ug/Kg	1	☼	8270C	Total/NA
Dibenz(a,h)anthracene	27		10	1.0	ug/Kg	1	☼	8270C	Total/NA
Fluoranthene	570		10	0.85	ug/Kg	1	☼	8270C	Total/NA
Fluorene	41		10	0.82	ug/Kg	1	☼	8270C	Total/NA
Indeno[1,2,3-cd]pyrene	100		10	0.54	ug/Kg	1	☼	8270C	Total/NA
Naphthalene	100		10	1.3	ug/Kg	1	☼	8270C	Total/NA
Phenanthrene	320		10	1.1	ug/Kg	1	☼	8270C	Total/NA
Pyrene	490		10	0.68	ug/Kg	1	☼	8270C	Total/NA
Aluminum	3800		26	7.5	mg/Kg	1	☼	6010B	Total/NA
Calcium	20000	B	640	30	mg/Kg	1	☼	6010B	Total/NA
Iron	23000		13	4.1	mg/Kg	1	☼	6010B	Total/NA
Magnesium	5300	B	640	6.7	mg/Kg	1	☼	6010B	Total/NA
Potassium	420	J B	640	8.0	mg/Kg	1	☼	6010B	Total/NA
Sodium	190	J B	640	24	mg/Kg	1	☼	6010B	Total/NA
Arsenic	19		1.3	0.033	mg/Kg	2	☼	6020	Total/NA
Barium	40		1.3	0.28	mg/Kg	2	☼	6020	Total/NA
Cadmium	0.28		0.26	0.0048	mg/Kg	2	☼	6020	Total/NA
Chromium	8.3	B	0.51	0.077	mg/Kg	2	☼	6020	Total/NA
Copper	13	B	0.51	0.12	mg/Kg	2	☼	6020	Total/NA
Lead	35	B	0.26	0.058	mg/Kg	2	☼	6020	Total/NA
Manganese	430	B	1.3	0.15	mg/Kg	2	☼	6020	Total/NA
Nickel	13	B	0.51	0.050	mg/Kg	2	☼	6020	Total/NA
Strontium	32	B	2.6	0.032	mg/Kg	2	☼	6020	Total/NA
Zinc	97	B	5.1	0.64	mg/Kg	2	☼	6020	Total/NA
Total Organic Carbon - Duplicates	62000		1600	1200	mg/Kg	1	☼	Lloyd Kahn	Total/NA
Gravel	16.7				%	1		D422	Total/NA
Sieve Size 3 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Sand	78.2				%	1		D422	Total/NA
Sieve Size 2 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Coarse Sand	20.9				%	1		D422	Total/NA
Sieve Size 1.5 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Medium Sand	27.9				%	1		D422	Total/NA
Sieve Size 1 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Fine Sand	29.4				%	1		D422	Total/NA
Sieve Size 0.75 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Sieve Size 0.375 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Silt	4.6				%	1		D422	Total/NA
Clay	0.5				%	1		D422	Total/NA
Sieve Size #4 - Percent Finer	83.3				% Passing	1		D422	Total/NA
Sieve Size #10 - Percent Finer	62.4				% Passing	1		D422	Total/NA
Sieve Size #20 - Percent Finer	52.2				% Passing	1		D422	Total/NA
Sieve Size #40 - Percent Finer	34.5				% Passing	1		D422	Total/NA
Sieve Size #60 - Percent Finer	16.2				% Passing	1		D422	Total/NA
Sieve Size #80 - Percent Finer	9.5				% Passing	1		D422	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: TS3 - GRID B51 (Continued) — Lab Sample ID: 240-80215-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sieve Size #100 - Percent Finer	7.4				% Passing	1		D422	Total/NA
Sieve Size #200 - Percent Finer	5.1				% Passing	1		D422	Total/NA
Hydrometer Reading 1 - Percent Finer	1.4				% Passing	1		D422	Total/NA
Hydrometer Reading 2 - Percent Finer	1.4				% Passing	1		D422	Total/NA
Hydrometer Reading 3 - Percent Finer	0.9				% Passing	1		D422	Total/NA
Hydrometer Reading 4 - Percent Finer	0.9				% Passing	1		D422	Total/NA
Hydrometer Reading 5 - Percent Finer	0.5				% Passing	1		D422	Total/NA
Hydrometer Reading 6 - Percent Finer	0.5				% Passing	1		D422	Total/NA
Hydrometer Reading 7 - Percent Finer	0.3				% Passing	1		D422	Total/NA

Client Sample ID: TS4 - GRID B61 — Lab Sample ID: 240-80215-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Anthracene	300	J	350	41	ug/Kg	20	☼	8270C	Total/NA
Benzo[a]anthracene	810		350	33	ug/Kg	20	☼	8270C	Total/NA
Benzo[a]pyrene	680		350	33	ug/Kg	20	☼	8270C	Total/NA
Benzo[b]fluoranthene	1000		350	31	ug/Kg	20	☼	8270C	Total/NA
Benzo[g,h,i]perylene	590		350	18	ug/Kg	20	☼	8270C	Total/NA
Benzo[k]fluoranthene	390		350	36	ug/Kg	20	☼	8270C	Total/NA
Chrysene	1000		350	57	ug/Kg	20	☼	8270C	Total/NA
Fluoranthene	2000		350	29	ug/Kg	20	☼	8270C	Total/NA
Fluorene	190	J	350	28	ug/Kg	20	☼	8270C	Total/NA
Indeno[1,2,3-cd]pyrene	420		350	18	ug/Kg	20	☼	8270C	Total/NA
Naphthalene	490		350	43	ug/Kg	20	☼	8270C	Total/NA
Phenanthrene	860		350	38	ug/Kg	20	☼	8270C	Total/NA
Pyrene	2200		350	23	ug/Kg	20	☼	8270C	Total/NA
Aroclor-1254	180		120	35	ug/Kg	1	☼	8082	Total/NA
Aluminum	8300		48	14	mg/Kg	1	☼	6010B	Total/NA
Calcium	37000	B	1200	56	mg/Kg	1	☼	6010B	Total/NA
Iron	26000		24	7.7	mg/Kg	1	☼	6010B	Total/NA
Magnesium	3100	B	1200	13	mg/Kg	1	☼	6010B	Total/NA
Potassium	780	J B	1200	15	mg/Kg	1	☼	6010B	Total/NA
Selenium	1.9		1.2	0.82	mg/Kg	1	☼	6010B	Total/NA
Sodium	400	J B	1200	46	mg/Kg	1	☼	6010B	Total/NA
Arsenic	22		2.4	0.063	mg/Kg	2	☼	6020	Total/NA
Barium	120		2.4	0.53	mg/Kg	2	☼	6020	Total/NA
Cadmium	1.7		0.48	0.0089	mg/Kg	2	☼	6020	Total/NA
Chromium	65	B	0.97	0.15	mg/Kg	2	☼	6020	Total/NA
Copper	90	B	0.97	0.23	mg/Kg	2	☼	6020	Total/NA
Lead	230	B	0.48	0.11	mg/Kg	2	☼	6020	Total/NA
Manganese	360	B	2.4	0.29	mg/Kg	2	☼	6020	Total/NA
Nickel	25	B	0.97	0.094	mg/Kg	2	☼	6020	Total/NA
Strontium	73	B	4.8	0.060	mg/Kg	2	☼	6020	Total/NA
Zinc	1100	B	9.7	1.2	mg/Kg	2	☼	6020	Total/NA
Mercury	0.78		0.26	0.047	mg/Kg	1	☼	7471A	Total/NA
Total Organic Carbon - Duplicates	140000		2600	1900	mg/Kg	1	☼	Lloyd Kahn	Total/NA
Gravel	0.0				%	1		D422	Total/NA
Sieve Size 3 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Sand	51.1				%	1		D422	Total/NA
Sieve Size 2 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: TS4 - GRID B61 (Continued) — Lab Sample ID: 240-80215-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Coarse Sand	14.9				%	1		D422	Total/NA
Sieve Size 1.5 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Medium Sand	10.8				%	1		D422	Total/NA
Sieve Size 1 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Fine Sand	25.4				%	1		D422	Total/NA
Sieve Size 0.75 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Sieve Size 0.375 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Silt	35.6				%	1		D422	Total/NA
Clay	13.3				%	1		D422	Total/NA
Sieve Size #4 - Percent Finer	100.0				% Passing	1		D422	Total/NA
Sieve Size #10 - Percent Finer	85.1				% Passing	1		D422	Total/NA
Sieve Size #20 - Percent Finer	81.0				% Passing	1		D422	Total/NA
Sieve Size #40 - Percent Finer	74.3				% Passing	1		D422	Total/NA
Sieve Size #60 - Percent Finer	64.0				% Passing	1		D422	Total/NA
Sieve Size #80 - Percent Finer	58.2				% Passing	1		D422	Total/NA
Sieve Size #100 - Percent Finer	55.4				% Passing	1		D422	Total/NA
Sieve Size #200 - Percent Finer	48.9				% Passing	1		D422	Total/NA
Hydrometer Reading 1 - Percent Finer	33.1				% Passing	1		D422	Total/NA
Hydrometer Reading 2 - Percent Finer	29.8				% Passing	1		D422	Total/NA
Hydrometer Reading 3 - Percent Finer	22.1				% Passing	1		D422	Total/NA
Hydrometer Reading 4 - Percent Finer	17.7				% Passing	1		D422	Total/NA
Hydrometer Reading 5 - Percent Finer	13.3				% Passing	1		D422	Total/NA
Hydrometer Reading 6 - Percent Finer	8.8				% Passing	1		D422	Total/NA
Hydrometer Reading 7 - Percent Finer	5.3				% Passing	1		D422	Total/NA

Client Sample ID: TS5 - CANAL_2 — Lab Sample ID: 240-80215-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	320		75	8.6	ug/Kg	4	☼	8270C	Total/NA
Acenaphthylene	120		75	4.0	ug/Kg	4	☼	8270C	Total/NA
Anthracene	790		75	8.8	ug/Kg	4	☼	8270C	Total/NA
Benzo[a]anthracene	2000		75	7.1	ug/Kg	4	☼	8270C	Total/NA
Benzo[a]pyrene	2100		75	7.2	ug/Kg	4	☼	8270C	Total/NA
Benzo[b]fluoranthene	3500		75	6.7	ug/Kg	4	☼	8270C	Total/NA
Benzo[g,h,i]perylene	1500		75	4.0	ug/Kg	4	☼	8270C	Total/NA
Benzo[k]fluoranthene	1100		75	7.7	ug/Kg	4	☼	8270C	Total/NA
Chrysene	2800		75	12	ug/Kg	4	☼	8270C	Total/NA
Dibenz(a,h)anthracene	360		75	7.5	ug/Kg	4	☼	8270C	Total/NA
Fluoranthene	5600		75	6.2	ug/Kg	4	☼	8270C	Total/NA
Fluorene	480		75	6.0	ug/Kg	4	☼	8270C	Total/NA
Indeno[1,2,3-cd]pyrene	1300		75	4.0	ug/Kg	4	☼	8270C	Total/NA
Naphthalene	530		75	9.3	ug/Kg	4	☼	8270C	Total/NA
Phenanthrene	3200		75	8.3	ug/Kg	4	☼	8270C	Total/NA
Pyrene	5000		75	5.0	ug/Kg	4	☼	8270C	Total/NA
Aroclor-1254	470		140	40	ug/Kg	1	☼	8082	Total/NA
Aluminum	8200		46	13	mg/Kg	1	☼	6010B	Total/NA
Calcium	38000	B	1200	53	mg/Kg	1	☼	6010B	Total/NA
Iron	28000		23	7.4	mg/Kg	1	☼	6010B	Total/NA
Magnesium	9400	B	1200	12	mg/Kg	1	☼	6010B	Total/NA
Potassium	710	J B	1200	14	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: TS5 - CANAL_2 (Continued)

Lab Sample ID: 240-80215-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Selenium	1.6		1.2	0.79	mg/Kg	1	☼	6010B	Total/NA
Sodium	480	J B	1200	44	mg/Kg	1	☼	6010B	Total/NA
Arsenic	35		2.3	0.060	mg/Kg	2	☼	6020	Total/NA
Barium	240		2.3	0.51	mg/Kg	2	☼	6020	Total/NA
Cadmium	2.3		0.46	0.0086	mg/Kg	2	☼	6020	Total/NA
Chromium	56	B	0.92	0.14	mg/Kg	2	☼	6020	Total/NA
Copper	130	B	0.92	0.22	mg/Kg	2	☼	6020	Total/NA
Lead	270	B	0.46	0.10	mg/Kg	2	☼	6020	Total/NA
Manganese	640	B	2.3	0.28	mg/Kg	2	☼	6020	Total/NA
Nickel	40	B	0.92	0.090	mg/Kg	2	☼	6020	Total/NA
Strontium	95	B	4.6	0.058	mg/Kg	2	☼	6020	Total/NA
Zinc	1300	B	9.2	1.2	mg/Kg	2	☼	6020	Total/NA
Mercury	0.35		0.33	0.059	mg/Kg	1	☼	7471A	Total/NA
Total Organic Carbon - Duplicates	150000		2800	2100	mg/Kg	1	☼	Lloyd Kahn	Total/NA
Gravel	3.0				%	1		D422	Total/NA
Sieve Size 3 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Sand	30.0				%	1		D422	Total/NA
Sieve Size 2 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Coarse Sand	2.6				%	1		D422	Total/NA
Sieve Size 1.5 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Medium Sand	4.6				%	1		D422	Total/NA
Sieve Size 1 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Fine Sand	22.8				%	1		D422	Total/NA
Sieve Size 0.75 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Sieve Size 0.375 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Silt	56.4				%	1		D422	Total/NA
Clay	10.6				%	1		D422	Total/NA
Sieve Size #4 - Percent Finer	97.0				% Passing	1		D422	Total/NA
Sieve Size #10 - Percent Finer	94.4				% Passing	1		D422	Total/NA
Sieve Size #20 - Percent Finer	92.9				% Passing	1		D422	Total/NA
Sieve Size #40 - Percent Finer	89.8				% Passing	1		D422	Total/NA
Sieve Size #60 - Percent Finer	84.4				% Passing	1		D422	Total/NA
Sieve Size #80 - Percent Finer	80.0				% Passing	1		D422	Total/NA
Sieve Size #100 - Percent Finer	77.0				% Passing	1		D422	Total/NA
Sieve Size #200 - Percent Finer	67.0				% Passing	1		D422	Total/NA
Hydrometer Reading 1 - Percent Finer	35.7				% Passing	1		D422	Total/NA
Hydrometer Reading 2 - Percent Finer	29.1				% Passing	1		D422	Total/NA
Hydrometer Reading 3 - Percent Finer	21.2				% Passing	1		D422	Total/NA
Hydrometer Reading 4 - Percent Finer	15.9				% Passing	1		D422	Total/NA
Hydrometer Reading 5 - Percent Finer	10.6				% Passing	1		D422	Total/NA
Hydrometer Reading 6 - Percent Finer	7.6				% Passing	1		D422	Total/NA
Hydrometer Reading 7 - Percent Finer	5.0				% Passing	1		D422	Total/NA

Client Sample ID: TS6 - GRID D55

Lab Sample ID: 240-80215-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	48		18	2.1	ug/Kg	2	☼	8270C	Total/NA
Acenaphthylene	32		18	0.95	ug/Kg	2	☼	8270C	Total/NA
Anthracene	150		18	2.1	ug/Kg	2	☼	8270C	Total/NA
Benzo[a]anthracene	640		18	1.7	ug/Kg	2	☼	8270C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron, Ohio

TestAmerica Job ID: 240-80215-1

Client Sample ID: TS6 - GRID D55 (Continued)

Lab Sample ID: 240-80215-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]pyrene	610		18	1.7	ug/Kg	2	☼	8270C	Total/NA
Benzo[b]fluoranthene	900		18	1.6	ug/Kg	2	☼	8270C	Total/NA
Benzo[g,h,i]perylene	480		18	0.95	ug/Kg	2	☼	8270C	Total/NA
Benzo[k]fluoranthene	380		18	1.9	ug/Kg	2	☼	8270C	Total/NA
Chrysene	730		18	3.0	ug/Kg	2	☼	8270C	Total/NA
Dibenz(a,h)anthracene	120		18	1.8	ug/Kg	2	☼	8270C	Total/NA
Fluoranthene	1400		18	1.5	ug/Kg	2	☼	8270C	Total/NA
Fluorene	66		18	1.4	ug/Kg	2	☼	8270C	Total/NA
Indeno[1,2,3-cd]pyrene	410		18	0.95	ug/Kg	2	☼	8270C	Total/NA
Naphthalene	140		18	2.2	ug/Kg	2	☼	8270C	Total/NA
Phenanthrene	770		18	2.0	ug/Kg	2	☼	8270C	Total/NA
Pyrene	1300		18	1.2	ug/Kg	2	☼	8270C	Total/NA
Aluminum	2300		22	6.4	mg/Kg	1	☼	6010B	Total/NA
Calcium	15000	F1	550	25	mg/Kg	1	☼	6010B	Total/NA
Iron	13000		11	3.5	mg/Kg	1	☼	6010B	Total/NA
Magnesium	5300	B F1	550	5.7	mg/Kg	1	☼	6010B	Total/NA
Potassium	250	J B	550	6.9	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.82		0.55	0.38	mg/Kg	1	☼	6010B	Total/NA
Sodium	120	J B	550	21	mg/Kg	1	☼	6010B	Total/NA
Arsenic	4.9		1.1	0.029	mg/Kg	2	☼	6020	Total/NA
Barium	34	F2	1.1	0.24	mg/Kg	2	☼	6020	Total/NA
Cadmium	0.31	F2	0.22	0.0041	mg/Kg	2	☼	6020	Total/NA
Chromium	7.3	F2 B	0.44	0.066	mg/Kg	2	☼	6020	Total/NA
Copper	24	F2 B	0.44	0.11	mg/Kg	2	☼	6020	Total/NA
Lead	60	F1 B	0.22	0.050	mg/Kg	2	☼	6020	Total/NA
Manganese	180	F2 F1	1.1	0.13	mg/Kg	2	☼	6020	Total/NA
Nickel	7.3	F2 B	0.44	0.043	mg/Kg	2	☼	6020	Total/NA
Strontium	21	B	2.2	0.028	mg/Kg	2	☼	6020	Total/NA
Zinc	120	F2 F1	4.4	0.55	mg/Kg	2	☼	6020	Total/NA
Mercury	0.062	J	0.16	0.028	mg/Kg	1	☼	7471A	Total/NA
Total Organic Carbon - Duplicates	27000		1400	1000	mg/Kg	1	☼	Lloyd Kahn	Total/NA
Gravel	16.3				%	1		D422	Total/NA
Sieve Size 3 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Sand	66.5				%	1		D422	Total/NA
Sieve Size 2 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Coarse Sand	12.1				%	1		D422	Total/NA
Sieve Size 1.5 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Medium Sand	21.5				%	1		D422	Total/NA
Sieve Size 1 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Fine Sand	32.9				%	1		D422	Total/NA
Sieve Size 0.75 inch - Percent Finer	94.7				% Passing	1		D422	Total/NA
Sieve Size 0.375 inch - Percent Finer	93.1				% Passing	1		D422	Total/NA
Silt	15.7				%	1		D422	Total/NA
Clay	1.5				%	1		D422	Total/NA
Sieve Size #4 - Percent Finer	83.7				% Passing	1		D422	Total/NA
Sieve Size #10 - Percent Finer	71.6				% Passing	1		D422	Total/NA
Sieve Size #20 - Percent Finer	65.1				% Passing	1		D422	Total/NA
Sieve Size #40 - Percent Finer	50.1				% Passing	1		D422	Total/NA
Sieve Size #60 - Percent Finer	29.7				% Passing	1		D422	Total/NA
Sieve Size #80 - Percent Finer	21.7				% Passing	1		D422	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: TS6 - GRID D55 (Continued) — Lab Sample ID: 240-80215-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sieve Size #100 - Percent Finer	19.4				% Passing	1		D422	Total/NA
Sieve Size #200 - Percent Finer	17.2				% Passing	1		D422	Total/NA
Hydrometer Reading 1 - Percent Finer	3.0				% Passing	1		D422	Total/NA
Hydrometer Reading 2 - Percent Finer	3.0				% Passing	1		D422	Total/NA
Hydrometer Reading 3 - Percent Finer	2.5				% Passing	1		D422	Total/NA
Hydrometer Reading 4 - Percent Finer	2.0				% Passing	1		D422	Total/NA
Hydrometer Reading 5 - Percent Finer	1.5				% Passing	1		D422	Total/NA
Hydrometer Reading 6 - Percent Finer	1.4				% Passing	1		D422	Total/NA
Hydrometer Reading 7 - Percent Finer	1.4				% Passing	1		D422	Total/NA

Client Sample ID: TS7 - GRID D48 — Lab Sample ID: 240-80215-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	52		21	2.4	ug/Kg	2	☼	8270C	Total/NA
Acenaphthylene	26		21	1.1	ug/Kg	2	☼	8270C	Total/NA
Anthracene	150		21	2.5	ug/Kg	2	☼	8270C	Total/NA
Benzo[a]anthracene	400		21	2.0	ug/Kg	2	☼	8270C	Total/NA
Benzo[a]pyrene	360		21	2.0	ug/Kg	2	☼	8270C	Total/NA
Benzo[b]fluoranthene	560		21	1.9	ug/Kg	2	☼	8270C	Total/NA
Benzo[g,h,i]perylene	310		21	1.1	ug/Kg	2	☼	8270C	Total/NA
Benzo[k]fluoranthene	200		21	2.2	ug/Kg	2	☼	8270C	Total/NA
Chrysene	460		21	3.5	ug/Kg	2	☼	8270C	Total/NA
Dibenz(a,h)anthracene	75		21	2.1	ug/Kg	2	☼	8270C	Total/NA
Fluoranthene	860		21	1.7	ug/Kg	2	☼	8270C	Total/NA
Fluorene	49		21	1.7	ug/Kg	2	☼	8270C	Total/NA
Indeno[1,2,3-cd]pyrene	240		21	1.1	ug/Kg	2	☼	8270C	Total/NA
Naphthalene	270		21	2.6	ug/Kg	2	☼	8270C	Total/NA
Phenanthrene	450		21	2.3	ug/Kg	2	☼	8270C	Total/NA
Pyrene	880		21	1.4	ug/Kg	2	☼	8270C	Total/NA
Aroclor-1254	56	J p	80	22	ug/Kg	1	☼	8082	Total/NA
Aluminum	3500		26	7.5	mg/Kg	1	☼	6010B	Total/NA
Calcium	25000		650	30	mg/Kg	1	☼	6010B	Total/NA
Iron	17000		13	4.1	mg/Kg	1	☼	6010B	Total/NA
Magnesium	10000	B	650	6.7	mg/Kg	1	☼	6010B	Total/NA
Potassium	340	J B	650	8.0	mg/Kg	1	☼	6010B	Total/NA
Selenium	1.0		0.65	0.44	mg/Kg	1	☼	6010B	Total/NA
Sodium	160	J B	650	25	mg/Kg	1	☼	6010B	Total/NA
Arsenic	12		1.3	0.034	mg/Kg	2	☼	6020	Total/NA
Barium	63		1.3	0.28	mg/Kg	2	☼	6020	Total/NA
Cadmium	0.67		0.26	0.0048	mg/Kg	2	☼	6020	Total/NA
Chromium	14	B	0.52	0.078	mg/Kg	2	☼	6020	Total/NA
Copper	22	B	0.52	0.13	mg/Kg	2	☼	6020	Total/NA
Lead	140	B	0.26	0.058	mg/Kg	2	☼	6020	Total/NA
Manganese	200		1.3	0.16	mg/Kg	2	☼	6020	Total/NA
Nickel	12	B	0.52	0.051	mg/Kg	2	☼	6020	Total/NA
Strontium	32	B	2.6	0.032	mg/Kg	2	☼	6020	Total/NA
Zinc	220		5.2	0.65	mg/Kg	2	☼	6020	Total/NA
Mercury	0.034	J	0.15	0.027	mg/Kg	1	☼	7471A	Total/NA
Total Organic Carbon - Duplicates	64000	H F1 F2	1600	1200	mg/Kg	1	☼	Lloyd Kahn	Total/NA
Gravel	11.9				%	1		D422	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: TS7 - GRID D48 (Continued) — Lab Sample ID: 240-80215-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sieve Size 3 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Sand	75.1				%	1		D422	Total/NA
Sieve Size 2 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Coarse Sand	14.9				%	1		D422	Total/NA
Sieve Size 1.5 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Medium Sand	19.1				%	1		D422	Total/NA
Sieve Size 1 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Fine Sand	41.1				%	1		D422	Total/NA
Sieve Size 0.75 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Sieve Size 0.375 inch - Percent Finer	97.7				% Passing	1		D422	Total/NA
Silt	11.2				%	1		D422	Total/NA
Clay	1.8				%	1		D422	Total/NA
Sieve Size #4 - Percent Finer	88.1				% Passing	1		D422	Total/NA
Sieve Size #10 - Percent Finer	73.2				% Passing	1		D422	Total/NA
Sieve Size #20 - Percent Finer	67.3				% Passing	1		D422	Total/NA
Sieve Size #40 - Percent Finer	54.1				% Passing	1		D422	Total/NA
Sieve Size #60 - Percent Finer	30.5				% Passing	1		D422	Total/NA
Sieve Size #80 - Percent Finer	21.4				% Passing	1		D422	Total/NA
Sieve Size #100 - Percent Finer	17.9				% Passing	1		D422	Total/NA
Sieve Size #200 - Percent Finer	13.0				% Passing	1		D422	Total/NA
Hydrometer Reading 1 - Percent Finer	3.7				% Passing	1		D422	Total/NA
Hydrometer Reading 2 - Percent Finer	2.7				% Passing	1		D422	Total/NA
Hydrometer Reading 3 - Percent Finer	2.7				% Passing	1		D422	Total/NA
Hydrometer Reading 4 - Percent Finer	2.3				% Passing	1		D422	Total/NA
Hydrometer Reading 5 - Percent Finer	1.8				% Passing	1		D422	Total/NA
Hydrometer Reading 6 - Percent Finer	1.7				% Passing	1		D422	Total/NA
Hydrometer Reading 7 - Percent Finer	1.3				% Passing	1		D422	Total/NA

Client Sample ID: TS8 - GRID D27 — Lab Sample ID: 240-80215-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	280		110	13	ug/Kg	10	☼	8270C	Total/NA
Acenaphthylene	62	J	110	6.0	ug/Kg	10	☼	8270C	Total/NA
Anthracene	680		110	13	ug/Kg	10	☼	8270C	Total/NA
Benzo[a]anthracene	2100		110	11	ug/Kg	10	☼	8270C	Total/NA
Benzo[a]pyrene	1800		110	11	ug/Kg	10	☼	8270C	Total/NA
Benzo[b]fluoranthene	2300		110	10	ug/Kg	10	☼	8270C	Total/NA
Benzo[g,h,i]perylene	1500		110	6.0	ug/Kg	10	☼	8270C	Total/NA
Benzo[k]fluoranthene	970		110	12	ug/Kg	10	☼	8270C	Total/NA
Chrysene	2000		110	19	ug/Kg	10	☼	8270C	Total/NA
Dibenz(a,h)anthracene	290		110	11	ug/Kg	10	☼	8270C	Total/NA
Fluoranthene	4100		110	9.4	ug/Kg	10	☼	8270C	Total/NA
Fluorene	230		110	9.1	ug/Kg	10	☼	8270C	Total/NA
Indeno[1,2,3-cd]pyrene	1000		110	6.0	ug/Kg	10	☼	8270C	Total/NA
Naphthalene	660		110	14	ug/Kg	10	☼	8270C	Total/NA
Phenanthrene	2300		110	13	ug/Kg	10	☼	8270C	Total/NA
Pyrene	5700		110	7.5	ug/Kg	10	☼	8270C	Total/NA
Aluminum	5300		27	7.8	mg/Kg	1	☼	6010B	Total/NA
Calcium	19000		670	31	mg/Kg	1	☼	6010B	Total/NA
Iron	19000		13	4.3	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: TS8 - GRID D27 (Continued)

Lab Sample ID: 240-80215-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Magnesium	2200	B	670	7.0	mg/Kg	1	☼	6010B	Total/NA
Potassium	460	J B	670	8.4	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.99		0.67	0.46	mg/Kg	1	☼	6010B	Total/NA
Sodium	240	J B	670	26	mg/Kg	1	☼	6010B	Total/NA
Arsenic	13		1.3	0.035	mg/Kg	2	☼	6020	Total/NA
Barium	88		1.3	0.30	mg/Kg	2	☼	6020	Total/NA
Cadmium	0.62		0.27	0.0050	mg/Kg	2	☼	6020	Total/NA
Chromium	15	B	0.54	0.081	mg/Kg	2	☼	6020	Total/NA
Copper	84	B	0.54	0.13	mg/Kg	2	☼	6020	Total/NA
Lead	140	B	0.27	0.061	mg/Kg	2	☼	6020	Total/NA
Manganese	360		1.3	0.16	mg/Kg	2	☼	6020	Total/NA
Nickel	13	B	0.54	0.053	mg/Kg	2	☼	6020	Total/NA
Strontium	56	B	2.7	0.034	mg/Kg	2	☼	6020	Total/NA
Zinc	220		5.4	0.67	mg/Kg	2	☼	6020	Total/NA
Mercury	0.15	J	0.19	0.034	mg/Kg	1	☼	7471A	Total/NA
Total Organic Carbon - Duplicates	120000	H	1700	1300	mg/Kg	1	☼	Lloyd Kahn	Total/NA
Gravel	9.2				%	1		D422	Total/NA
Sieve Size 3 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Sand	60.8				%	1		D422	Total/NA
Sieve Size 2 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Coarse Sand	3.8				%	1		D422	Total/NA
Sieve Size 1.5 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Medium Sand	8.8				%	1		D422	Total/NA
Sieve Size 1 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Fine Sand	48.2				%	1		D422	Total/NA
Sieve Size 0.75 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Sieve Size 0.375 inch - Percent Finer	98.0				% Passing	1		D422	Total/NA
Silt	25.0				%	1		D422	Total/NA
Clay	5.0				%	1		D422	Total/NA
Sieve Size #4 - Percent Finer	90.8				% Passing	1		D422	Total/NA
Sieve Size #10 - Percent Finer	87.0				% Passing	1		D422	Total/NA
Sieve Size #20 - Percent Finer	84.0				% Passing	1		D422	Total/NA
Sieve Size #40 - Percent Finer	78.2				% Passing	1		D422	Total/NA
Sieve Size #60 - Percent Finer	67.7				% Passing	1		D422	Total/NA
Sieve Size #80 - Percent Finer	58.0				% Passing	1		D422	Total/NA
Sieve Size #100 - Percent Finer	51.1				% Passing	1		D422	Total/NA
Sieve Size #200 - Percent Finer	30.0				% Passing	1		D422	Total/NA
Hydrometer Reading 1 - Percent Finer	18.2				% Passing	1		D422	Total/NA
Hydrometer Reading 2 - Percent Finer	12.4				% Passing	1		D422	Total/NA
Hydrometer Reading 3 - Percent Finer	8.3				% Passing	1		D422	Total/NA
Hydrometer Reading 4 - Percent Finer	5.8				% Passing	1		D422	Total/NA
Hydrometer Reading 5 - Percent Finer	5.0				% Passing	1		D422	Total/NA
Hydrometer Reading 6 - Percent Finer	3.9				% Passing	1		D422	Total/NA
Hydrometer Reading 7 - Percent Finer	3.1				% Passing	1		D422	Total/NA

Client Sample ID: TS9 - CANAL_1

Lab Sample ID: 240-80215-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Anthracene	57	J	100	12	ug/Kg	10	☼	8270C	Total/NA
Benzo[a]anthracene	220		100	9.9	ug/Kg	10	☼	8270C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: TS9 - CANAL_1 (Continued)

Lab Sample ID: 240-80215-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]pyrene	200		100	10	ug/Kg	10	☼	8270C	Total/NA
Benzo[b]fluoranthene	340		100	9.3	ug/Kg	10	☼	8270C	Total/NA
Benzo[g,h,i]perylene	180		100	5.5	ug/Kg	10	☼	8270C	Total/NA
Benzo[k]fluoranthene	110		100	11	ug/Kg	10	☼	8270C	Total/NA
Chrysene	250		100	17	ug/Kg	10	☼	8270C	Total/NA
Fluoranthene	500		100	8.6	ug/Kg	10	☼	8270C	Total/NA
Indeno[1,2,3-cd]pyrene	130		100	5.5	ug/Kg	10	☼	8270C	Total/NA
Naphthalene	69	J	100	13	ug/Kg	10	☼	8270C	Total/NA
Phenanthrene	190		100	11	ug/Kg	10	☼	8270C	Total/NA
Pyrene	550		100	6.9	ug/Kg	10	☼	8270C	Total/NA
Aroclor-1254	45	J	80	22	ug/Kg	1	☼	8082	Total/NA
Aluminum	2500		26	7.4	mg/Kg	1	☼	6010B	Total/NA
Calcium	10000		640	29	mg/Kg	1	☼	6010B	Total/NA
Iron	7800		13	4.1	mg/Kg	1	☼	6010B	Total/NA
Magnesium	1400	B	640	6.7	mg/Kg	1	☼	6010B	Total/NA
Potassium	300	J B	640	7.9	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.57	J	0.64	0.44	mg/Kg	1	☼	6010B	Total/NA
Sodium	130	J B	640	24	mg/Kg	1	☼	6010B	Total/NA
Arsenic	11		1.3	0.033	mg/Kg	2	☼	6020	Total/NA
Barium	23		1.3	0.28	mg/Kg	2	☼	6020	Total/NA
Cadmium	0.34		0.26	0.0047	mg/Kg	2	☼	6020	Total/NA
Chromium	9.5	B	0.51	0.077	mg/Kg	2	☼	6020	Total/NA
Copper	18	B	0.51	0.12	mg/Kg	2	☼	6020	Total/NA
Lead	48	B	0.26	0.058	mg/Kg	2	☼	6020	Total/NA
Manganese	150		1.3	0.15	mg/Kg	2	☼	6020	Total/NA
Nickel	8.1	B	0.51	0.050	mg/Kg	2	☼	6020	Total/NA
Strontium	16	B	2.6	0.032	mg/Kg	2	☼	6020	Total/NA
Zinc	140		5.1	0.64	mg/Kg	2	☼	6020	Total/NA
Mercury	0.070	J	0.18	0.032	mg/Kg	1	☼	7471A	Total/NA
Total Organic Carbon - Duplicates	17000		1600	1200	mg/Kg	1	☼	Lloyd Kahn	Total/NA
Gravel	3.1				%	1		D422	Total/NA
Sieve Size 3 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Sand	76.3				%	1		D422	Total/NA
Sieve Size 2 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Coarse Sand	4.1				%	1		D422	Total/NA
Sieve Size 1.5 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Medium Sand	17.6				%	1		D422	Total/NA
Sieve Size 1 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Fine Sand	54.6				%	1		D422	Total/NA
Sieve Size 0.75 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Sieve Size 0.375 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Silt	14.4				%	1		D422	Total/NA
Clay	6.2				%	1		D422	Total/NA
Sieve Size #4 - Percent Finer	96.9				% Passing	1		D422	Total/NA
Sieve Size #10 - Percent Finer	92.8				% Passing	1		D422	Total/NA
Sieve Size #20 - Percent Finer	88.6				% Passing	1		D422	Total/NA
Sieve Size #40 - Percent Finer	75.2				% Passing	1		D422	Total/NA
Sieve Size #60 - Percent Finer	51.7				% Passing	1		D422	Total/NA
Sieve Size #80 - Percent Finer	33.8				% Passing	1		D422	Total/NA
Sieve Size #100 - Percent Finer	26.7				% Passing	1		D422	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron, Ohio

TestAmerica Job ID: 240-80215-1

Client Sample ID: TS9 - CANAL_1 (Continued)

Lab Sample ID: 240-80215-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sieve Size #200 - Percent Finer	20.6				% Passing	1		D422	Total/NA
Hydrometer Reading 1 - Percent Finer	15.4				% Passing	1		D422	Total/NA
Hydrometer Reading 2 - Percent Finer	12.4				% Passing	1		D422	Total/NA
Hydrometer Reading 3 - Percent Finer	8.7				% Passing	1		D422	Total/NA
Hydrometer Reading 4 - Percent Finer	7.4				% Passing	1		D422	Total/NA
Hydrometer Reading 5 - Percent Finer	6.2				% Passing	1		D422	Total/NA
Hydrometer Reading 6 - Percent Finer	4.2				% Passing	1		D422	Total/NA
Hydrometer Reading 7 - Percent Finer	3.6				% Passing	1		D422	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: TS1 - GRID B37

Date Collected: 05/30/17 10:28
Date Received: 05/31/17 12:00

Lab Sample ID: 240-80215-1

Matrix: Solid
Percent Solids: 68.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	500		40	4.5	ug/Kg	☼	06/01/17 10:09	06/07/17 20:20	4
Acenaphthylene	69		40	2.1	ug/Kg	☼	06/01/17 10:09	06/07/17 20:20	4
Anthracene	1100		40	4.6	ug/Kg	☼	06/01/17 10:09	06/07/17 20:20	4
Benzo[a]anthracene	2300		40	3.7	ug/Kg	☼	06/01/17 10:09	06/07/17 20:20	4
Benzo[a]pyrene	1900		40	3.8	ug/Kg	☼	06/01/17 10:09	06/07/17 20:20	4
Benzo[b]fluoranthene	2400		40	3.5	ug/Kg	☼	06/01/17 10:09	06/07/17 20:20	4
Benzo[g,h,i]perylene	980		40	2.1	ug/Kg	☼	06/01/17 10:09	06/07/17 20:20	4
Benzo[k]fluoranthene	1000		40	4.0	ug/Kg	☼	06/01/17 10:09	06/07/17 20:20	4
Chrysene	2200		40	6.5	ug/Kg	☼	06/01/17 10:09	06/07/17 20:20	4
Dibenz(a,h)anthracene	270		40	3.9	ug/Kg	☼	06/01/17 10:09	06/07/17 20:20	4
Fluoranthene	4700		40	3.3	ug/Kg	☼	06/01/17 10:09	06/07/17 20:20	4
Fluorene	460		40	3.2	ug/Kg	☼	06/01/17 10:09	06/07/17 20:20	4
Indeno[1,2,3-cd]pyrene	910		40	2.1	ug/Kg	☼	06/01/17 10:09	06/07/17 20:20	4
Naphthalene	920		40	4.9	ug/Kg	☼	06/01/17 10:09	06/07/17 20:20	4
Phenanthrene	3100		40	4.3	ug/Kg	☼	06/01/17 10:09	06/07/17 20:20	4
Pyrene	4400		40	2.6	ug/Kg	☼	06/01/17 10:09	06/07/17 20:20	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*65*		*32 - 120*	*06/01/17 10:09*	*06/07/17 20:20*	*4*
2-Fluorophenol (Surr)	*63*		*29 - 120*	*06/01/17 10:09*	*06/07/17 20:20*	*4*
Nitrobenzene-d5 (Surr)	*66*		*30 - 120*	*06/01/17 10:09*	*06/07/17 20:20*	*4*
Phenol-d5 (Surr)	*66*		*29 - 120*	*06/01/17 10:09*	*06/07/17 20:20*	*4*
Terphenyl-d14 (Surr)	*66*		*41 - 120*	*06/01/17 10:09*	*06/07/17 20:20*	*4*
2,4,6-Tribromophenol (Surr)	*55*		*10 - 120*	*06/01/17 10:09*	*06/07/17 20:20*	*4*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		73	35	ug/Kg	☼	06/01/17 09:16	06/03/17 15:06	1
Aroclor-1221	ND		73	33	ug/Kg	☼	06/01/17 09:16	06/03/17 15:06	1
Aroclor-1232	ND		73	23	ug/Kg	☼	06/01/17 09:16	06/03/17 15:06	1
Aroclor-1242	ND		73	29	ug/Kg	☼	06/01/17 09:16	06/03/17 15:06	1
Aroclor-1248	ND		73	25	ug/Kg	☼	06/01/17 09:16	06/03/17 15:06	1
Aroclor-1254	ND		73	20	ug/Kg	☼	06/01/17 09:16	06/03/17 15:06	1
Aroclor-1260	ND		73	26	ug/Kg	☼	06/01/17 09:16	06/03/17 15:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*72*		*14 - 128*	*06/01/17 09:16*	*06/03/17 15:06*	*1*
DCB Decachlorobiphenyl	*75*	*p*	*10 - 132*	*06/01/17 09:16*	*06/03/17 15:06*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	1900		23	6.6	mg/Kg	☼	06/02/17 13:04	06/05/17 17:22	1
Calcium	4700	B	570	26	mg/Kg	☼	06/02/17 13:04	06/05/17 17:22	1
Iron	9100		11	3.6	mg/Kg	☼	06/02/17 13:04	06/05/17 17:22	1
Magnesium	820	B	570	5.9	mg/Kg	☼	06/02/17 13:04	06/05/17 17:22	1
Potassium	180	J B	570	7.1	mg/Kg	☼	06/02/17 13:04	06/05/17 17:22	1
Selenium	0.88		0.57	0.39	mg/Kg	☼	06/02/17 13:04	06/05/17 17:22	1
Sodium	140	J B	570	22	mg/Kg	☼	06/02/17 13:04	06/05/17 17:22	1

Client Sample ID: TS1 - GRID B37
Date Collected: 05/30/17 10:28
Date Received: 05/31/17 12:00

Lab Sample ID: 240-80215-1
Matrix: Solid
Percent Solids: 68.1

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	7.5		1.1	0.030	mg/Kg	☼	06/02/17 13:04	06/06/17 03:52	2
Barium	38		1.1	0.25	mg/Kg	☼	06/02/17 13:04	06/06/17 03:52	2
Cadmium	0.42		0.23	0.0042	mg/Kg	☼	06/02/17 13:04	06/06/17 03:52	2
Chromium	4.7	B	0.46	0.068	mg/Kg	☼	06/02/17 13:04	06/06/17 03:52	2
Copper	29	B	0.46	0.11	mg/Kg	☼	06/02/17 13:04	06/06/17 03:52	2
Lead	70	B F1 F2	0.23	0.051	mg/Kg	☼	06/02/17 13:04	06/06/17 03:52	2
Manganese	140	B	1.1	0.14	mg/Kg	☼	06/02/17 13:04	06/06/17 03:52	2
Nickel	6.9	B	0.46	0.044	mg/Kg	☼	06/02/17 13:04	06/06/17 03:52	2
Strontium	15	B	2.3	0.028	mg/Kg	☼	06/02/17 13:04	06/06/17 03:52	2
Zinc	400	B F1 F2	4.6	0.57	mg/Kg	☼	06/02/17 13:04	06/06/17 03:52	2

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.25	F1 F2	0.16	0.029	mg/Kg	☼	06/06/17 16:00	06/07/17 13:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Duplicates	50000		1500	1100	mg/Kg	☼		06/12/17 17:50	1
Percent Solids	68.1		0.1	0.1	%			06/01/17 08:15	1
Percent Moisture	31.9		0.1	0.1	%			06/01/17 08:15	1

Method: D422 - Grain Size

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gravel	9.2				%			06/02/17 15:00	1
Sieve Size 3 inch - Percent Finer	100.0				% Passing			06/02/17 15:00	1
Sand	87.1				%			06/02/17 15:00	1
Sieve Size 2 inch - Percent Finer	100.0				% Passing			06/02/17 15:00	1
Coarse Sand	9.5				%			06/02/17 15:00	1
Sieve Size 1.5 inch - Percent Finer	100.0				% Passing			06/02/17 15:00	1
Medium Sand	21.6				%			06/02/17 15:00	1
Sieve Size 1 inch - Percent Finer	100.0				% Passing			06/02/17 15:00	1
Fine Sand	56.0				%			06/02/17 15:00	1
Sieve Size 0.75 inch - Percent Finer	100.0				% Passing			06/02/17 15:00	1
Sieve Size 0.375 inch - Percent Finer	96.7				% Passing			06/02/17 15:00	1
Silt	1.9				%			06/02/17 15:00	1
Clay	1.9				%			06/02/17 15:00	1
Sieve Size #4 - Percent Finer	90.8				% Passing			06/02/17 15:00	1
Sieve Size #10 - Percent Finer	81.3				% Passing			06/02/17 15:00	1
Sieve Size #20 - Percent Finer	73.0				% Passing			06/02/17 15:00	1
Sieve Size #40 - Percent Finer	59.7				% Passing			06/02/17 15:00	1
Sieve Size #60 - Percent Finer	38.1				% Passing			06/02/17 15:00	1
Sieve Size #80 - Percent Finer	24.3				% Passing			06/02/17 15:00	1
Sieve Size #100 - Percent Finer	17.0				% Passing			06/02/17 15:00	1
Sieve Size #200 - Percent Finer	3.7				% Passing			06/02/17 15:00	1
Hydrometer Reading 1 - Percent Finer	2.8				% Passing			06/02/17 15:00	1
Hydrometer Reading 2 - Percent Finer	2.8				% Passing			06/02/17 15:00	1

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron, Ohio

TestAmerica Job ID: 240-80215-1

Client Sample ID: TS1 - GRID B37
Date Collected: 05/30/17 10:28
Date Received: 05/31/17 12:00

Lab Sample ID: 240-80215-1
Matrix: Solid
Percent Solids: 68.1

Method: D422 - Grain Size (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hydrometer Reading 3 - Percent Finer	2.4				% Passing			06/02/17 15:00	1
Hydrometer Reading 4 - Percent Finer	2.4				% Passing			06/02/17 15:00	1
Hydrometer Reading 5 - Percent Finer	1.9				% Passing			06/02/17 15:00	1
Hydrometer Reading 6 - Percent Finer	1.9				% Passing			06/02/17 15:00	1
Hydrometer Reading 7 - Percent Finer	0.8				% Passing			06/02/17 15:00	1

Client Sample ID: TS2 - GRID C8 DUP A

Date Collected: 05/30/17 11:55
Date Received: 05/31/17 12:00

Lab Sample ID: 240-80215-2

Matrix: Solid
Percent Solids: 28.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		300	34	ug/Kg	☼	06/01/17 10:09	06/07/17 18:28	12.5
Acenaphthylene	ND		300	16	ug/Kg	☼	06/01/17 10:09	06/07/17 18:28	12.5
Anthracene	**250**	**J**	300	35	ug/Kg	☼	06/01/17 10:09	06/07/17 18:28	12.5
Benzo[a]anthracene	**1400**		300	28	ug/Kg	☼	06/01/17 10:09	06/07/17 18:28	12.5
Benzo[a]pyrene	**2000**		300	28	ug/Kg	☼	06/01/17 10:09	06/07/17 18:28	12.5
Benzo[b]fluoranthene	**3000**		300	26	ug/Kg	☼	06/01/17 10:09	06/07/17 18:28	12.5
Benzo[g,h,i]perylene	**1900**		300	16	ug/Kg	☼	06/01/17 10:09	06/07/17 18:28	12.5
Benzo[k]fluoranthene	**1000**		300	30	ug/Kg	☼	06/01/17 10:09	06/07/17 18:28	12.5
Chrysene	**2200**		300	49	ug/Kg	☼	06/01/17 10:09	06/07/17 18:28	12.5
Dibenz(a,h)anthracene	**350**		300	29	ug/Kg	☼	06/01/17 10:09	06/07/17 18:28	12.5
Fluoranthene	**2800**		300	24	ug/Kg	☼	06/01/17 10:09	06/07/17 18:28	12.5
Fluorene	**180**	**J**	300	24	ug/Kg	☼	06/01/17 10:09	06/07/17 18:28	12.5
Indeno[1,2,3-cd]pyrene	**1500**		300	16	ug/Kg	☼	06/01/17 10:09	06/07/17 18:28	12.5
Naphthalene	**160**	**J**	300	36	ug/Kg	☼	06/01/17 10:09	06/07/17 18:28	12.5
Phenanthrene	**1400**		300	32	ug/Kg	☼	06/01/17 10:09	06/07/17 18:28	12.5
Pyrene	**3000**		300	20	ug/Kg	☼	06/01/17 10:09	06/07/17 18:28	12.5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*68*		*32 - 120*	*06/01/17 10:09*	*06/07/17 18:28*	*12.5*
2-Fluorophenol (Surr)	*70*		*29 - 120*	*06/01/17 10:09*	*06/07/17 18:28*	*12.5*
Nitrobenzene-d5 (Surr)	*66*		*30 - 120*	*06/01/17 10:09*	*06/07/17 18:28*	*12.5*
Phenol-d5 (Surr)	*77*		*29 - 120*	*06/01/17 10:09*	*06/07/17 18:28*	*12.5*
Terphenyl-d14 (Surr)	*66*		*41 - 120*	*06/01/17 10:09*	*06/07/17 18:28*	*12.5*
2,4,6-Tribromophenol (Surr)	*46*		*10 - 120*	*06/01/17 10:09*	*06/07/17 18:28*	*12.5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		180	84	ug/Kg	☼	06/01/17 09:16	06/03/17 15:25	1
Aroclor-1221	ND		180	81	ug/Kg	☼	06/01/17 09:16	06/03/17 15:25	1
Aroclor-1232	ND		180	56	ug/Kg	☼	06/01/17 09:16	06/03/17 15:25	1
Aroclor-1242	ND		180	70	ug/Kg	☼	06/01/17 09:16	06/03/17 15:25	1
Aroclor-1248	ND		180	60	ug/Kg	☼	06/01/17 09:16	06/03/17 15:25	1
Aroclor-1254	**170**	**J**	180	49	ug/Kg	☼	06/01/17 09:16	06/03/17 15:25	1
Aroclor-1260	ND		180	63	ug/Kg	☼	06/01/17 09:16	06/03/17 15:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*55*	*p*	*14 - 128*	*06/01/17 09:16*	*06/03/17 15:25*	*1*
DCB Decachlorobiphenyl	*60*	*p*	*10 - 132*	*06/01/17 09:16*	*06/03/17 15:25*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6200**		69	20	mg/Kg	☼	06/02/17 13:04	06/05/17 18:50	1
Calcium	**40000**	**B**	1700	79	mg/Kg	☼	06/02/17 13:04	06/05/17 18:50	1
Iron	**20000**		34	11	mg/Kg	☼	06/02/17 13:04	06/05/17 18:50	1
Magnesium	**6300**	**B**	1700	18	mg/Kg	☼	06/02/17 13:04	06/05/17 18:50	1
Potassium	**780**	**J B**	1700	21	mg/Kg	☼	06/02/17 13:04	06/05/17 18:50	1
Selenium	ND		1.7	1.2	mg/Kg	☼	06/02/17 13:04	06/05/17 18:50	1
Sodium	**740**	**J B**	1700	65	mg/Kg	☼	06/02/17 13:04	06/05/17 18:50	1

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron, Ohio

TestAmerica Job ID: 240-80215-1

Client Sample ID: TS2 - GRID C8 DUP A

Date Collected: 05/30/17 11:55
Date Received: 05/31/17 12:00

Lab Sample ID: 240-80215-2

Matrix: Solid
Percent Solids: 28.5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	17		3.4	0.089	mg/Kg	☼	06/02/17 13:04	06/06/17 04:22	2
Barium	96		3.4	0.76	mg/Kg	☼	06/02/17 13:04	06/06/17 04:22	2
Cadmium	1.2		0.69	0.013	mg/Kg	☼	06/02/17 13:04	06/06/17 04:22	2
Chromium	44	B	1.4	0.21	mg/Kg	☼	06/02/17 13:04	06/06/17 04:22	2
Copper	62	B	1.4	0.33	mg/Kg	☼	06/02/17 13:04	06/06/17 04:22	2
Lead	200	B	0.69	0.15	mg/Kg	☼	06/02/17 13:04	06/06/17 04:22	2
Manganese	470	B	3.4	0.41	mg/Kg	☼	06/02/17 13:04	06/06/17 04:22	2
Nickel	24	B	1.4	0.13	mg/Kg	☼	06/02/17 13:04	06/06/17 04:22	2
Strontium	69	B	6.9	0.086	mg/Kg	☼	06/02/17 13:04	06/06/17 04:22	2
Zinc	500	B	14	1.7	mg/Kg	☼	06/02/17 13:04	06/06/17 04:22	2

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.084	J	0.35	0.063	mg/Kg	☼	06/02/17 16:00	06/05/17 12:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Duplicates	120000		3500	2600	mg/Kg	☼		06/13/17 17:33	1
Percent Solids	28.5		0.1	0.1	%			06/01/17 08:15	1
Percent Moisture	71.5		0.1	0.1	%			06/01/17 08:15	1

Method: D422 - Grain Size

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gravel	0.0				%			06/02/17 15:02	1
Sieve Size 3 inch - Percent Finer	100.0				% Passing			06/02/17 15:02	1
Sand	51.1				%			06/02/17 15:02	1
Sieve Size 2 inch - Percent Finer	100.0				% Passing			06/02/17 15:02	1
Coarse Sand	10.5				%			06/02/17 15:02	1
Sieve Size 1.5 inch - Percent Finer	100.0				% Passing			06/02/17 15:02	1
Medium Sand	9.3				%			06/02/17 15:02	1
Sieve Size 1 inch - Percent Finer	100.0				% Passing			06/02/17 15:02	1
Fine Sand	31.3				%			06/02/17 15:02	1
Sieve Size 0.75 inch - Percent Finer	100.0				% Passing			06/02/17 15:02	1
Sieve Size 0.375 inch - Percent Finer	100.0				% Passing			06/02/17 15:02	1
Silt	39.9				%			06/02/17 15:02	1
Clay	9.0				%			06/02/17 15:02	1
Sieve Size #4 - Percent Finer	100.0				% Passing			06/02/17 15:02	1
Sieve Size #10 - Percent Finer	89.5				% Passing			06/02/17 15:02	1
Sieve Size #20 - Percent Finer	85.2				% Passing			06/02/17 15:02	1
Sieve Size #40 - Percent Finer	80.2				% Passing			06/02/17 15:02	1
Sieve Size #60 - Percent Finer	71.7				% Passing			06/02/17 15:02	1
Sieve Size #80 - Percent Finer	64.6				% Passing			06/02/17 15:02	1
Sieve Size #100 - Percent Finer	60.9				% Passing			06/02/17 15:02	1
Sieve Size #200 - Percent Finer	48.9				% Passing			06/02/17 15:02	1
Hydrometer Reading 1 - Percent Finer	28.4				% Passing			06/02/17 15:02	1
Hydrometer Reading 2 - Percent Finer	22.4				% Passing			06/02/17 15:02	1

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron, Ohio

TestAmerica Job ID: 240-80215-1

Client Sample ID: TS2 - GRID C8 DUP A
Date Collected: 05/30/17 11:55
Date Received: 05/31/17 12:00

Lab Sample ID: 240-80215-2
Matrix: Solid
Percent Solids: 28.5

Method: D422 - Grain Size (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hydrometer Reading 3 - Percent Finer	16.4				% Passing			06/02/17 15:02	1
Hydrometer Reading 4 - Percent Finer	12.0				% Passing			06/02/17 15:02	1
Hydrometer Reading 5 - Percent Finer	9.0				% Passing			06/02/17 15:02	1
Hydrometer Reading 6 - Percent Finer	6.0				% Passing			06/02/17 15:02	1
Hydrometer Reading 7 - Percent Finer	2.6				% Passing			06/02/17 15:02	1

Client Sample ID: TS2 - GRID C8 DUP B

Date Collected: 05/30/17 11:55
Date Received: 05/31/17 12:00

Lab Sample ID: 240-80215-3

Matrix: Solid
Percent Solids: 29.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		280	32	ug/Kg	☼	06/01/17 10:09	06/07/17 18:05	12.5
Acenaphthylene	ND		280	15	ug/Kg	☼	06/01/17 10:09	06/07/17 18:05	12.5
Anthracene	**220**	**J**	280	33	ug/Kg	☼	06/01/17 10:09	06/07/17 18:05	12.5
Benzo[a]anthracene	**830**		280	27	ug/Kg	☼	06/01/17 10:09	06/07/17 18:05	12.5
Benzo[a]pyrene	**910**		280	27	ug/Kg	☼	06/01/17 10:09	06/07/17 18:05	12.5
Benzo[b]fluoranthene	**1700**		280	25	ug/Kg	☼	06/01/17 10:09	06/07/17 18:05	12.5
Benzo[g,h,i]perylene	**880**		280	15	ug/Kg	☼	06/01/17 10:09	06/07/17 18:05	12.5
Benzo[k]fluoranthene	**500**		280	29	ug/Kg	☼	06/01/17 10:09	06/07/17 18:05	12.5
Chrysene	**1500**		280	46	ug/Kg	☼	06/01/17 10:09	06/07/17 18:05	12.5
Dibenz(a,h)anthracene	**240**	**J**	280	28	ug/Kg	☼	06/01/17 10:09	06/07/17 18:05	12.5
Fluoranthene	**2200**		280	23	ug/Kg	☼	06/01/17 10:09	06/07/17 18:05	12.5
Fluorene	**170**	**J**	280	22	ug/Kg	☼	06/01/17 10:09	06/07/17 18:05	12.5
Indeno[1,2,3-cd]pyrene	**700**		280	15	ug/Kg	☼	06/01/17 10:09	06/07/17 18:05	12.5
Naphthalene	**160**	**J**	280	35	ug/Kg	☼	06/01/17 10:09	06/07/17 18:05	12.5
Phenanthrene	**1200**		280	31	ug/Kg	☼	06/01/17 10:09	06/07/17 18:05	12.5
Pyrene	**2100**		280	19	ug/Kg	☼	06/01/17 10:09	06/07/17 18:05	12.5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*71*		*32 - 120*	*06/01/17 10:09*	*06/07/17 18:05*	*12.5*
2-Fluorophenol (Surr)	*72*		*29 - 120*	*06/01/17 10:09*	*06/07/17 18:05*	*12.5*
Nitrobenzene-d5 (Surr)	*70*		*30 - 120*	*06/01/17 10:09*	*06/07/17 18:05*	*12.5*
Phenol-d5 (Surr)	*76*		*29 - 120*	*06/01/17 10:09*	*06/07/17 18:05*	*12.5*
Terphenyl-d14 (Surr)	*67*		*41 - 120*	*06/01/17 10:09*	*06/07/17 18:05*	*12.5*
2,4,6-Tribromophenol (Surr)	*44*		*10 - 120*	*06/01/17 10:09*	*06/07/17 18:05*	*12.5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		160	78	ug/Kg	☼	06/01/17 09:16	06/03/17 15:45	1
Aroclor-1221	ND		160	74	ug/Kg	☼	06/01/17 09:16	06/03/17 15:45	1
Aroclor-1232	ND		160	52	ug/Kg	☼	06/01/17 09:16	06/03/17 15:45	1
Aroclor-1242	ND		160	65	ug/Kg	☼	06/01/17 09:16	06/03/17 15:45	1
Aroclor-1248	ND		160	55	ug/Kg	☼	06/01/17 09:16	06/03/17 15:45	1
Aroclor-1254	**190**		160	45	ug/Kg	☼	06/01/17 09:16	06/03/17 15:45	1
Aroclor-1260	ND		160	58	ug/Kg	☼	06/01/17 09:16	06/03/17 15:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*63*		*14 - 128*	*06/01/17 09:16*	*06/03/17 15:45*	*1*
DCB Decachlorobiphenyl	*78*		*10 - 132*	*06/01/17 09:16*	*06/03/17 15:45*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6400**		54	16	mg/Kg	☼	06/02/17 13:04	06/05/17 18:54	1
Calcium	**42000**	**B**	1400	62	mg/Kg	☼	06/02/17 13:04	06/05/17 18:54	1
Iron	**21000**		27	8.7	mg/Kg	☼	06/02/17 13:04	06/05/17 18:54	1
Magnesium	**6700**	**B**	1400	14	mg/Kg	☼	06/02/17 13:04	06/05/17 18:54	1
Potassium	**800**	**J B**	1400	17	mg/Kg	☼	06/02/17 13:04	06/05/17 18:54	1
Selenium	**0.92**	**J**	1.4	0.92	mg/Kg	☼	06/02/17 13:04	06/05/17 18:54	1
Sodium	**700**	**J B**	1400	51	mg/Kg	☼	06/02/17 13:04	06/05/17 18:54	1

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron, Ohio

TestAmerica Job ID: 240-80215-1

Client Sample ID: TS2 - GRID C8 DUP B

Date Collected: 05/30/17 11:55
Date Received: 05/31/17 12:00

Lab Sample ID: 240-80215-3

Matrix: Solid
Percent Solids: 29.6

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	16		2.7	0.070	mg/Kg	☼	06/02/17 13:04	06/06/17 04:26	2
Barium	100		2.7	0.60	mg/Kg	☼	06/02/17 13:04	06/06/17 04:26	2
Cadmium	1.1		0.54	0.010	mg/Kg	☼	06/02/17 13:04	06/06/17 04:26	2
Chromium	44	B	1.1	0.16	mg/Kg	☼	06/02/17 13:04	06/06/17 04:26	2
Copper	59	B	1.1	0.26	mg/Kg	☼	06/02/17 13:04	06/06/17 04:26	2
Lead	210	B	0.54	0.12	mg/Kg	☼	06/02/17 13:04	06/06/17 04:26	2
Manganese	490	B	2.7	0.32	mg/Kg	☼	06/02/17 13:04	06/06/17 04:26	2
Nickel	25	B	1.1	0.11	mg/Kg	☼	06/02/17 13:04	06/06/17 04:26	2
Strontium	69	B	5.4	0.068	mg/Kg	☼	06/02/17 13:04	06/06/17 04:26	2
Zinc	490	B	11	1.4	mg/Kg	☼	06/02/17 13:04	06/06/17 04:26	2

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.095	J	0.39	0.070	mg/Kg	☼	06/02/17 16:00	06/05/17 12:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Duplicates	120000		3400	2500	mg/Kg	☼		06/13/17 17:43	1
Percent Solids	29.6		0.1	0.1	%			06/01/17 08:15	1
Percent Moisture	70.4		0.1	0.1	%			06/01/17 08:15	1

Method: D422 - Grain Size

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gravel	0.0				%			06/02/17 15:04	1
Sieve Size 3 inch - Percent Finer	100.0				% Passing			06/02/17 15:04	1
Sand	53.8				%			06/02/17 15:04	1
Sieve Size 2 inch - Percent Finer	100.0				% Passing			06/02/17 15:04	1
Coarse Sand	13.1				%			06/02/17 15:04	1
Sieve Size 1.5 inch - Percent Finer	100.0				% Passing			06/02/17 15:04	1
Medium Sand	9.1				%			06/02/17 15:04	1
Sieve Size 1 inch - Percent Finer	100.0				% Passing			06/02/17 15:04	1
Fine Sand	31.6				%			06/02/17 15:04	1
Sieve Size 0.75 inch - Percent Finer	100.0				% Passing			06/02/17 15:04	1
Sieve Size 0.375 inch - Percent Finer	100.0				% Passing			06/02/17 15:04	1
Silt	37.9				%			06/02/17 15:04	1
Clay	8.3				%			06/02/17 15:04	1
Sieve Size #4 - Percent Finer	100.0				% Passing			06/02/17 15:04	1
Sieve Size #10 - Percent Finer	86.9				% Passing			06/02/17 15:04	1
Sieve Size #20 - Percent Finer	83.0				% Passing			06/02/17 15:04	1
Sieve Size #40 - Percent Finer	77.8				% Passing			06/02/17 15:04	1
Sieve Size #60 - Percent Finer	69.5				% Passing			06/02/17 15:04	1
Sieve Size #80 - Percent Finer	62.3				% Passing			06/02/17 15:04	1
Sieve Size #100 - Percent Finer	58.5				% Passing			06/02/17 15:04	1
Sieve Size #200 - Percent Finer	46.2				% Passing			06/02/17 15:04	1
Hydrometer Reading 1 - Percent Finer	24.9				% Passing			06/02/17 15:04	1
Hydrometer Reading 2 - Percent Finer	20.8				% Passing			06/02/17 15:04	1

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron, Ohio

TestAmerica Job ID: 240-80215-1

Client Sample ID: TS2 - GRID C8 DUP B
Date Collected: 05/30/17 11:55
Date Received: 05/31/17 12:00

Lab Sample ID: 240-80215-3
Matrix: Solid
Percent Solids: 29.6

Method: D422 - Grain Size (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hydrometer Reading 3 - Percent Finer	13.8				% Passing			06/02/17 15:04	1
Hydrometer Reading 4 - Percent Finer	11.1				% Passing			06/02/17 15:04	1
Hydrometer Reading 5 - Percent Finer	8.3				% Passing			06/02/17 15:04	1
Hydrometer Reading 6 - Percent Finer	4.2				% Passing			06/02/17 15:04	1
Hydrometer Reading 7 - Percent Finer	2.4				% Passing			06/02/17 15:04	1

Client Sample ID: TS3 - GRID B51

Date Collected: 05/30/17 13:58
Date Received: 05/31/17 12:00

Lab Sample ID: 240-80215-4

Matrix: Solid
Percent Solids: 64.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	30		10	1.2	ug/Kg	☼	06/01/17 10:09	06/07/17 19:58	1
Acenaphthylene	15		10	0.54	ug/Kg	☼	06/01/17 10:09	06/07/17 19:58	1
Anthracene	79		10	1.2	ug/Kg	☼	06/01/17 10:09	06/07/17 19:58	1
Benzo[a]anthracene	210		10	0.97	ug/Kg	☼	06/01/17 10:09	06/07/17 19:58	1
Benzo[a]pyrene	190		10	0.99	ug/Kg	☼	06/01/17 10:09	06/07/17 19:58	1
Benzo[b]fluoranthene	320		10	0.91	ug/Kg	☼	06/01/17 10:09	06/07/17 19:58	1
Benzo[g,h,i]perylene	110		10	0.54	ug/Kg	☼	06/01/17 10:09	06/07/17 19:58	1
Benzo[k]fluoranthene	100		10	1.1	ug/Kg	☼	06/01/17 10:09	06/07/17 19:58	1
Chrysene	260		10	1.7	ug/Kg	☼	06/01/17 10:09	06/07/17 19:58	1
Dibenz(a,h)anthracene	27		10	1.0	ug/Kg	☼	06/01/17 10:09	06/07/17 19:58	1
Fluoranthene	570		10	0.85	ug/Kg	☼	06/01/17 10:09	06/07/17 19:58	1
Fluorene	41		10	0.82	ug/Kg	☼	06/01/17 10:09	06/07/17 19:58	1
Indeno[1,2,3-cd]pyrene	100		10	0.54	ug/Kg	☼	06/01/17 10:09	06/07/17 19:58	1
Naphthalene	100		10	1.3	ug/Kg	☼	06/01/17 10:09	06/07/17 19:58	1
Phenanthrene	320		10	1.1	ug/Kg	☼	06/01/17 10:09	06/07/17 19:58	1
Pyrene	490		10	0.68	ug/Kg	☼	06/01/17 10:09	06/07/17 19:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*65*		*32 - 120*	*06/01/17 10:09*	*06/07/17 19:58*	*1*
2-Fluorophenol (Surr)	*72*		*29 - 120*	*06/01/17 10:09*	*06/07/17 19:58*	*1*
Nitrobenzene-d5 (Surr)	*73*		*30 - 120*	*06/01/17 10:09*	*06/07/17 19:58*	*1*
Phenol-d5 (Surr)	*75*		*29 - 120*	*06/01/17 10:09*	*06/07/17 19:58*	*1*
Terphenyl-d14 (Surr)	*64*		*41 - 120*	*06/01/17 10:09*	*06/07/17 19:58*	*1*
2,4,6-Tribromophenol (Surr)	*57*		*10 - 120*	*06/01/17 10:09*	*06/07/17 19:58*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		79	38	ug/Kg	☼	06/01/17 09:16	06/03/17 16:04	1
Aroclor-1221	ND		79	36	ug/Kg	☼	06/01/17 09:16	06/03/17 16:04	1
Aroclor-1232	ND		79	25	ug/Kg	☼	06/01/17 09:16	06/03/17 16:04	1
Aroclor-1242	ND		79	32	ug/Kg	☼	06/01/17 09:16	06/03/17 16:04	1
Aroclor-1248	ND		79	27	ug/Kg	☼	06/01/17 09:16	06/03/17 16:04	1
Aroclor-1254	ND		79	22	ug/Kg	☼	06/01/17 09:16	06/03/17 16:04	1
Aroclor-1260	ND		79	29	ug/Kg	☼	06/01/17 09:16	06/03/17 16:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*61*		*14 - 128*	*06/01/17 09:16*	*06/03/17 16:04*	*1*
DCB Decachlorobiphenyl	*58*	*p*	*10 - 132*	*06/01/17 09:16*	*06/03/17 16:04*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	3800		26	7.5	mg/Kg	☼	06/02/17 13:04	06/05/17 18:59	1
Calcium	20000	B	640	30	mg/Kg	☼	06/02/17 13:04	06/05/17 18:59	1
Iron	23000		13	4.1	mg/Kg	☼	06/02/17 13:04	06/05/17 18:59	1
Magnesium	5300	B	640	6.7	mg/Kg	☼	06/02/17 13:04	06/05/17 18:59	1
Potassium	420	J B	640	8.0	mg/Kg	☼	06/02/17 13:04	06/05/17 18:59	1
Selenium	ND		0.64	0.44	mg/Kg	☼	06/02/17 13:04	06/05/17 18:59	1
Sodium	190	J B	640	24	mg/Kg	☼	06/02/17 13:04	06/05/17 18:59	1

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron, Ohio

TestAmerica Job ID: 240-80215-1

Client Sample ID: TS3 - GRID B51
Date Collected: 05/30/17 13:58
Date Received: 05/31/17 12:00

Lab Sample ID: 240-80215-4
Matrix: Solid
Percent Solids: 64.3

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	19		1.3	0.033	mg/Kg	☼	06/02/17 13:04	06/06/17 04:30	2
Barium	40		1.3	0.28	mg/Kg	☼	06/02/17 13:04	06/06/17 04:30	2
Cadmium	0.28		0.26	0.0048	mg/Kg	☼	06/02/17 13:04	06/06/17 04:30	2
Chromium	8.3	B	0.51	0.077	mg/Kg	☼	06/02/17 13:04	06/06/17 04:30	2
Copper	13	B	0.51	0.12	mg/Kg	☼	06/02/17 13:04	06/06/17 04:30	2
Lead	35	B	0.26	0.058	mg/Kg	☼	06/02/17 13:04	06/06/17 04:30	2
Manganese	430	B	1.3	0.15	mg/Kg	☼	06/02/17 13:04	06/06/17 04:30	2
Nickel	13	B	0.51	0.050	mg/Kg	☼	06/02/17 13:04	06/06/17 04:30	2
Strontium	32	B	2.6	0.032	mg/Kg	☼	06/02/17 13:04	06/06/17 04:30	2
Zinc	97	B	5.1	0.64	mg/Kg	☼	06/02/17 13:04	06/06/17 04:30	2

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.16	0.029	mg/Kg	☼	06/02/17 16:00	06/05/17 12:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Duplicates	62000		1600	1200	mg/Kg	☼		06/13/17 17:53	1
Percent Solids	64.3		0.1	0.1	%			06/01/17 08:15	1
Percent Moisture	35.7		0.1	0.1	%			06/01/17 08:15	1

Method: D422 - Grain Size

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gravel	16.7				%			06/02/17 15:06	1
Sieve Size 3 inch - Percent Finer	100.0				% Passing			06/02/17 15:06	1
Sand	78.2				%			06/02/17 15:06	1
Sieve Size 2 inch - Percent Finer	100.0				% Passing			06/02/17 15:06	1
Coarse Sand	20.9				%			06/02/17 15:06	1
Sieve Size 1.5 inch - Percent Finer	100.0				% Passing			06/02/17 15:06	1
Medium Sand	27.9				%			06/02/17 15:06	1
Sieve Size 1 inch - Percent Finer	100.0				% Passing			06/02/17 15:06	1
Fine Sand	29.4				%			06/02/17 15:06	1
Sieve Size 0.75 inch - Percent Finer	100.0				% Passing			06/02/17 15:06	1
Sieve Size 0.375 inch - Percent Finer	100.0				% Passing			06/02/17 15:06	1
Silt	4.6				%			06/02/17 15:06	1
Clay	0.5				%			06/02/17 15:06	1
Sieve Size #4 - Percent Finer	83.3				% Passing			06/02/17 15:06	1
Sieve Size #10 - Percent Finer	62.4				% Passing			06/02/17 15:06	1
Sieve Size #20 - Percent Finer	52.2				% Passing			06/02/17 15:06	1
Sieve Size #40 - Percent Finer	34.5				% Passing			06/02/17 15:06	1
Sieve Size #60 - Percent Finer	16.2				% Passing			06/02/17 15:06	1
Sieve Size #80 - Percent Finer	9.5				% Passing			06/02/17 15:06	1
Sieve Size #100 - Percent Finer	7.4				% Passing			06/02/17 15:06	1
Sieve Size #200 - Percent Finer	5.1				% Passing			06/02/17 15:06	1
Hydrometer Reading 1 - Percent Finer	1.4				% Passing			06/02/17 15:06	1
Hydrometer Reading 2 - Percent Finer	1.4				% Passing			06/02/17 15:06	1

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron, Ohio

TestAmerica Job ID: 240-80215-1

Client Sample ID: TS3 - GRID B51
Date Collected: 05/30/17 13:58
Date Received: 05/31/17 12:00

Lab Sample ID: 240-80215-4
Matrix: Solid
Percent Solids: 64.3

Method: D422 - Grain Size (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hydrometer Reading 3 - Percent Finer	0.9				% Passing			06/02/17 15:06	1
Hydrometer Reading 4 - Percent Finer	0.9				% Passing			06/02/17 15:06	1
Hydrometer Reading 5 - Percent Finer	0.5				% Passing			06/02/17 15:06	1
Hydrometer Reading 6 - Percent Finer	0.5				% Passing			06/02/17 15:06	1
Hydrometer Reading 7 - Percent Finer	0.3				% Passing			06/02/17 15:06	1

Client Sample ID: TS4 - GRID B61

Date Collected: 05/30/17 15:00
Date Received: 05/31/17 12:00

Lab Sample ID: 240-80215-5

Matrix: Solid
Percent Solids: 38.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		350	40	ug/Kg	☼	06/01/17 10:09	06/07/17 18:50	20
Acenaphthylene	ND		350	18	ug/Kg	☼	06/01/17 10:09	06/07/17 18:50	20
Anthracene	**300**	**J**	350	41	ug/Kg	☼	06/01/17 10:09	06/07/17 18:50	20
Benzo[a]anthracene	**810**		350	33	ug/Kg	☼	06/01/17 10:09	06/07/17 18:50	20
Benzo[a]pyrene	**680**		350	33	ug/Kg	☼	06/01/17 10:09	06/07/17 18:50	20
Benzo[b]fluoranthene	**1000**		350	31	ug/Kg	☼	06/01/17 10:09	06/07/17 18:50	20
Benzo[g,h,i]perylene	**590**		350	18	ug/Kg	☼	06/01/17 10:09	06/07/17 18:50	20
Benzo[k]fluoranthene	**390**		350	36	ug/Kg	☼	06/01/17 10:09	06/07/17 18:50	20
Chrysene	**1000**		350	57	ug/Kg	☼	06/01/17 10:09	06/07/17 18:50	20
Dibenz(a,h)anthracene	ND		350	34	ug/Kg	☼	06/01/17 10:09	06/07/17 18:50	20
Fluoranthene	**2000**		350	29	ug/Kg	☼	06/01/17 10:09	06/07/17 18:50	20
Fluorene	**190**	**J**	350	28	ug/Kg	☼	06/01/17 10:09	06/07/17 18:50	20
Indeno[1,2,3-cd]pyrene	**420**		350	18	ug/Kg	☼	06/01/17 10:09	06/07/17 18:50	20
Naphthalene	**490**		350	43	ug/Kg	☼	06/01/17 10:09	06/07/17 18:50	20
Phenanthrene	**860**		350	38	ug/Kg	☼	06/01/17 10:09	06/07/17 18:50	20
Pyrene	**2200**		350	23	ug/Kg	☼	06/01/17 10:09	06/07/17 18:50	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*75*		*32 - 120*	*06/01/17 10:09*	*06/07/17 18:50*	*20*
2-Fluorophenol (Surr)	*76*		*29 - 120*	*06/01/17 10:09*	*06/07/17 18:50*	*20*
Nitrobenzene-d5 (Surr)	*73*		*30 - 120*	*06/01/17 10:09*	*06/07/17 18:50*	*20*
Phenol-d5 (Surr)	*81*		*29 - 120*	*06/01/17 10:09*	*06/07/17 18:50*	*20*
Terphenyl-d14 (Surr)	*71*		*41 - 120*	*06/01/17 10:09*	*06/07/17 18:50*	*20*
2,4,6-Tribromophenol (Surr)	*55*		*10 - 120*	*06/01/17 10:09*	*06/07/17 18:50*	*20*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		120	59	ug/Kg	☼	06/01/17 09:16	06/03/17 16:24	1
Aroclor-1221	ND		120	57	ug/Kg	☼	06/01/17 09:16	06/03/17 16:24	1
Aroclor-1232	ND		120	40	ug/Kg	☼	06/01/17 09:16	06/03/17 16:24	1
Aroclor-1242	ND		120	49	ug/Kg	☼	06/01/17 09:16	06/03/17 16:24	1
Aroclor-1248	ND		120	42	ug/Kg	☼	06/01/17 09:16	06/03/17 16:24	1
Aroclor-1254	**180**		120	35	ug/Kg	☼	06/01/17 09:16	06/03/17 16:24	1
Aroclor-1260	ND		120	44	ug/Kg	☼	06/01/17 09:16	06/03/17 16:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*61*		*14 - 128*	*06/01/17 09:16*	*06/03/17 16:24*	*1*
DCB Decachlorobiphenyl	*125*		*10 - 132*	*06/01/17 09:16*	*06/03/17 16:24*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8300**		48	14	mg/Kg	☼	06/02/17 13:04	06/05/17 19:03	1
Calcium	**37000**	**B**	1200	56	mg/Kg	☼	06/02/17 13:04	06/05/17 19:03	1
Iron	**26000**		24	7.7	mg/Kg	☼	06/02/17 13:04	06/05/17 19:03	1
Magnesium	**3100**	**B**	1200	13	mg/Kg	☼	06/02/17 13:04	06/05/17 19:03	1
Potassium	**780**	**J B**	1200	15	mg/Kg	☼	06/02/17 13:04	06/05/17 19:03	1
Selenium	**1.9**		1.2	0.82	mg/Kg	☼	06/02/17 13:04	06/05/17 19:03	1
Sodium	**400**	**J B**	1200	46	mg/Kg	☼	06/02/17 13:04	06/05/17 19:03	1

Client Sample ID: TS4 - GRID B61

Date Collected: 05/30/17 15:00
Date Received: 05/31/17 12:00

Lab Sample ID: 240-80215-5

Matrix: Solid
Percent Solids: 38.6

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	22		2.4	0.063	mg/Kg	☼	06/02/17 13:04	06/06/17 04:34	2
Barium	120		2.4	0.53	mg/Kg	☼	06/02/17 13:04	06/06/17 04:34	2
Cadmium	1.7		0.48	0.0089	mg/Kg	☼	06/02/17 13:04	06/06/17 04:34	2
Chromium	65	B	0.97	0.15	mg/Kg	☼	06/02/17 13:04	06/06/17 04:34	2
Copper	90	B	0.97	0.23	mg/Kg	☼	06/02/17 13:04	06/06/17 04:34	2
Lead	230	B	0.48	0.11	mg/Kg	☼	06/02/17 13:04	06/06/17 04:34	2
Manganese	360	B	2.4	0.29	mg/Kg	☼	06/02/17 13:04	06/06/17 04:34	2
Nickel	25	B	0.97	0.094	mg/Kg	☼	06/02/17 13:04	06/06/17 04:34	2
Strontium	73	B	4.8	0.060	mg/Kg	☼	06/02/17 13:04	06/06/17 04:34	2
Zinc	1100	B	9.7	1.2	mg/Kg	☼	06/02/17 13:04	06/06/17 04:34	2

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.78		0.26	0.047	mg/Kg	☼	06/02/17 16:00	06/05/17 12:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Duplicates	140000		2600	1900	mg/Kg	☼		06/13/17 18:03	1
Percent Solids	38.6		0.1	0.1	%			06/01/17 08:15	1
Percent Moisture	61.4		0.1	0.1	%			06/01/17 08:15	1

Method: D422 - Grain Size

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gravel	0.0				%			06/02/17 15:09	1
Sieve Size 3 inch - Percent Finer	100.0				% Passing			06/02/17 15:09	1
Sand	51.1				%			06/02/17 15:09	1
Sieve Size 2 inch - Percent Finer	100.0				% Passing			06/02/17 15:09	1
Coarse Sand	14.9				%			06/02/17 15:09	1
Sieve Size 1.5 inch - Percent Finer	100.0				% Passing			06/02/17 15:09	1
Medium Sand	10.8				%			06/02/17 15:09	1
Sieve Size 1 inch - Percent Finer	100.0				% Passing			06/02/17 15:09	1
Fine Sand	25.4				%			06/02/17 15:09	1
Sieve Size 0.75 inch - Percent Finer	100.0				% Passing			06/02/17 15:09	1
Sieve Size 0.375 inch - Percent Finer	100.0				% Passing			06/02/17 15:09	1
Silt	35.6				%			06/02/17 15:09	1
Clay	13.3				%			06/02/17 15:09	1
Sieve Size #4 - Percent Finer	100.0				% Passing			06/02/17 15:09	1
Sieve Size #10 - Percent Finer	85.1				% Passing			06/02/17 15:09	1
Sieve Size #20 - Percent Finer	81.0				% Passing			06/02/17 15:09	1
Sieve Size #40 - Percent Finer	74.3				% Passing			06/02/17 15:09	1
Sieve Size #60 - Percent Finer	64.0				% Passing			06/02/17 15:09	1
Sieve Size #80 - Percent Finer	58.2				% Passing			06/02/17 15:09	1
Sieve Size #100 - Percent Finer	55.4				% Passing			06/02/17 15:09	1
Sieve Size #200 - Percent Finer	48.9				% Passing			06/02/17 15:09	1
Hydrometer Reading 1 - Percent Finer	33.1				% Passing			06/02/17 15:09	1
Hydrometer Reading 2 - Percent Finer	29.8				% Passing			06/02/17 15:09	1

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron, Ohio

TestAmerica Job ID: 240-80215-1

Client Sample ID: TS4 - GRID B61
Date Collected: 05/30/17 15:00
Date Received: 05/31/17 12:00

Lab Sample ID: 240-80215-5
Matrix: Solid
Percent Solids: 38.6

Method: D422 - Grain Size (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hydrometer Reading 3 - Percent Finer	22.1				% Passing			06/02/17 15:09	1
Hydrometer Reading 4 - Percent Finer	17.7				% Passing			06/02/17 15:09	1
Hydrometer Reading 5 - Percent Finer	13.3				% Passing			06/02/17 15:09	1
Hydrometer Reading 6 - Percent Finer	8.8				% Passing			06/02/17 15:09	1
Hydrometer Reading 7 - Percent Finer	5.3				% Passing			06/02/17 15:09	1

Client Sample ID: TS5 - CANAL_2

Date Collected: 05/30/17 15:40
Date Received: 05/31/17 12:00

Lab Sample ID: 240-80215-6

Matrix: Solid
Percent Solids: 35.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	320		75	8.6	ug/Kg	☼	06/01/17 10:09	06/07/17 20:43	4
Acenaphthylene	120		75	4.0	ug/Kg	☼	06/01/17 10:09	06/07/17 20:43	4
Anthracene	790		75	8.8	ug/Kg	☼	06/01/17 10:09	06/07/17 20:43	4
Benzo[a]anthracene	2000		75	7.1	ug/Kg	☼	06/01/17 10:09	06/07/17 20:43	4
Benzo[a]pyrene	2100		75	7.2	ug/Kg	☼	06/01/17 10:09	06/07/17 20:43	4
Benzo[b]fluoranthene	3500		75	6.7	ug/Kg	☼	06/01/17 10:09	06/07/17 20:43	4
Benzo[g,h,i]perylene	1500		75	4.0	ug/Kg	☼	06/01/17 10:09	06/07/17 20:43	4
Benzo[k]fluoranthene	1100		75	7.7	ug/Kg	☼	06/01/17 10:09	06/07/17 20:43	4
Chrysene	2800		75	12	ug/Kg	☼	06/01/17 10:09	06/07/17 20:43	4
Dibenz(a,h)anthracene	360		75	7.5	ug/Kg	☼	06/01/17 10:09	06/07/17 20:43	4
Fluoranthene	5600		75	6.2	ug/Kg	☼	06/01/17 10:09	06/07/17 20:43	4
Fluorene	480		75	6.0	ug/Kg	☼	06/01/17 10:09	06/07/17 20:43	4
Indeno[1,2,3-cd]pyrene	1300		75	4.0	ug/Kg	☼	06/01/17 10:09	06/07/17 20:43	4
Naphthalene	530		75	9.3	ug/Kg	☼	06/01/17 10:09	06/07/17 20:43	4
Phenanthrene	3200		75	8.3	ug/Kg	☼	06/01/17 10:09	06/07/17 20:43	4
Pyrene	5000		75	5.0	ug/Kg	☼	06/01/17 10:09	06/07/17 20:43	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*61*		*32 - 120*	*06/01/17 10:09*	*06/07/17 20:43*	*4*
2-Fluorophenol (Surr)	*62*		*29 - 120*	*06/01/17 10:09*	*06/07/17 20:43*	*4*
Nitrobenzene-d5 (Surr)	*59*		*30 - 120*	*06/01/17 10:09*	*06/07/17 20:43*	*4*
Phenol-d5 (Surr)	*66*		*29 - 120*	*06/01/17 10:09*	*06/07/17 20:43*	*4*
Terphenyl-d14 (Surr)	*59*		*41 - 120*	*06/01/17 10:09*	*06/07/17 20:43*	*4*
2,4,6-Tribromophenol (Surr)	*57*		*10 - 120*	*06/01/17 10:09*	*06/07/17 20:43*	*4*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		140	68	ug/Kg	☼	06/01/17 09:16	06/03/17 16:43	1
Aroclor-1221	ND		140	66	ug/Kg	☼	06/01/17 09:16	06/03/17 16:43	1
Aroclor-1232	ND		140	46	ug/Kg	☼	06/01/17 09:16	06/03/17 16:43	1
Aroclor-1242	ND		140	57	ug/Kg	☼	06/01/17 09:16	06/03/17 16:43	1
Aroclor-1248	ND		140	48	ug/Kg	☼	06/01/17 09:16	06/03/17 16:43	1
Aroclor-1254	470		140	40	ug/Kg	☼	06/01/17 09:16	06/03/17 16:43	1
Aroclor-1260	ND		140	51	ug/Kg	☼	06/01/17 09:16	06/03/17 16:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*61*		*14 - 128*	*06/01/17 09:16*	*06/03/17 16:43*	*1*
DCB Decachlorobiphenyl	*73*	*p*	*10 - 132*	*06/01/17 09:16*	*06/03/17 16:43*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8200		46	13	mg/Kg	☼	06/02/17 13:04	06/05/17 19:07	1
Calcium	38000	B	1200	53	mg/Kg	☼	06/02/17 13:04	06/05/17 19:07	1
Iron	28000		23	7.4	mg/Kg	☼	06/02/17 13:04	06/05/17 19:07	1
Magnesium	9400	B	1200	12	mg/Kg	☼	06/02/17 13:04	06/05/17 19:07	1
Potassium	710	J B	1200	14	mg/Kg	☼	06/02/17 13:04	06/05/17 19:07	1
Selenium	1.6		1.2	0.79	mg/Kg	☼	06/02/17 13:04	06/05/17 19:07	1
Sodium	480	J B	1200	44	mg/Kg	☼	06/02/17 13:04	06/05/17 19:07	1

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron, Ohio

TestAmerica Job ID: 240-80215-1

Client Sample ID: TS5 - CANAL_2
Date Collected: 05/30/17 15:40
Date Received: 05/31/17 12:00

Lab Sample ID: 240-80215-6
Matrix: Solid
Percent Solids: 35.8

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	35		2.3	0.060	mg/Kg	☼	06/02/17 13:04	06/06/17 04:39	2
Barium	240		2.3	0.51	mg/Kg	☼	06/02/17 13:04	06/06/17 04:39	2
Cadmium	2.3		0.46	0.0086	mg/Kg	☼	06/02/17 13:04	06/06/17 04:39	2
Chromium	56	B	0.92	0.14	mg/Kg	☼	06/02/17 13:04	06/06/17 04:39	2
Copper	130	B	0.92	0.22	mg/Kg	☼	06/02/17 13:04	06/06/17 04:39	2
Lead	270	B	0.46	0.10	mg/Kg	☼	06/02/17 13:04	06/06/17 04:39	2
Manganese	640	B	2.3	0.28	mg/Kg	☼	06/02/17 13:04	06/06/17 04:39	2
Nickel	40	B	0.92	0.090	mg/Kg	☼	06/02/17 13:04	06/06/17 04:39	2
Strontium	95	B	4.6	0.058	mg/Kg	☼	06/02/17 13:04	06/06/17 04:39	2
Zinc	1300	B	9.2	1.2	mg/Kg	☼	06/02/17 13:04	06/06/17 04:39	2

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.35		0.33	0.059	mg/Kg	☼	06/02/17 16:00	06/05/17 12:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Duplicates	150000		2800	2100	mg/Kg	☼		06/13/17 18:24	1
Percent Solids	35.8		0.1	0.1	%			06/01/17 08:15	1
Percent Moisture	64.2		0.1	0.1	%			06/01/17 08:15	1

Method: D422 - Grain Size

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gravel	3.0				%			06/02/17 16:32	1
Sieve Size 3 inch - Percent Finer	100.0				% Passing			06/02/17 16:32	1
Sand	30.0				%			06/02/17 16:32	1
Sieve Size 2 inch - Percent Finer	100.0				% Passing			06/02/17 16:32	1
Coarse Sand	2.6				%			06/02/17 16:32	1
Sieve Size 1.5 inch - Percent Finer	100.0				% Passing			06/02/17 16:32	1
Medium Sand	4.6				%			06/02/17 16:32	1
Sieve Size 1 inch - Percent Finer	100.0				% Passing			06/02/17 16:32	1
Fine Sand	22.8				%			06/02/17 16:32	1
Sieve Size 0.75 inch - Percent Finer	100.0				% Passing			06/02/17 16:32	1
Sieve Size 0.375 inch - Percent Finer	100.0				% Passing			06/02/17 16:32	1
Silt	56.4				%			06/02/17 16:32	1
Clay	10.6				%			06/02/17 16:32	1
Sieve Size #4 - Percent Finer	97.0				% Passing			06/02/17 16:32	1
Sieve Size #10 - Percent Finer	94.4				% Passing			06/02/17 16:32	1
Sieve Size #20 - Percent Finer	92.9				% Passing			06/02/17 16:32	1
Sieve Size #40 - Percent Finer	89.8				% Passing			06/02/17 16:32	1
Sieve Size #60 - Percent Finer	84.4				% Passing			06/02/17 16:32	1
Sieve Size #80 - Percent Finer	80.0				% Passing			06/02/17 16:32	1
Sieve Size #100 - Percent Finer	77.0				% Passing			06/02/17 16:32	1
Sieve Size #200 - Percent Finer	67.0				% Passing			06/02/17 16:32	1
Hydrometer Reading 1 - Percent Finer	35.7				% Passing			06/02/17 16:32	1
Hydrometer Reading 2 - Percent Finer	29.1				% Passing			06/02/17 16:32	1

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron, Ohio

TestAmerica Job ID: 240-80215-1

Client Sample ID: TS5 - CANAL_2
Date Collected: 05/30/17 15:40
Date Received: 05/31/17 12:00

Lab Sample ID: 240-80215-6
Matrix: Solid
Percent Solids: 35.8

Method: D422 - Grain Size (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hydrometer Reading 3 - Percent Finer	21.2				% Passing			06/02/17 16:32	1
Hydrometer Reading 4 - Percent Finer	15.9				% Passing			06/02/17 16:32	1
Hydrometer Reading 5 - Percent Finer	10.6				% Passing			06/02/17 16:32	1
Hydrometer Reading 6 - Percent Finer	7.6				% Passing			06/02/17 16:32	1
Hydrometer Reading 7 - Percent Finer	5.0				% Passing			06/02/17 16:32	1

Client Sample ID: TS6 - GRID D55

Date Collected: 05/30/17 16:30
Date Received: 05/31/17 12:00

Lab Sample ID: 240-80215-7

Matrix: Solid
Percent Solids: 73.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	48		18	2.1	ug/Kg	☼	06/01/17 10:09	06/07/17 19:13	2
Acenaphthylene	32		18	0.95	ug/Kg	☼	06/01/17 10:09	06/07/17 19:13	2
Anthracene	150		18	2.1	ug/Kg	☼	06/01/17 10:09	06/07/17 19:13	2
Benzo[a]anthracene	640		18	1.7	ug/Kg	☼	06/01/17 10:09	06/07/17 19:13	2
Benzo[a]pyrene	610		18	1.7	ug/Kg	☼	06/01/17 10:09	06/07/17 19:13	2
Benzo[b]fluoranthene	900		18	1.6	ug/Kg	☼	06/01/17 10:09	06/07/17 19:13	2
Benzo[g,h,i]perylene	480		18	0.95	ug/Kg	☼	06/01/17 10:09	06/07/17 19:13	2
Benzo[k]fluoranthene	380		18	1.9	ug/Kg	☼	06/01/17 10:09	06/07/17 19:13	2
Chrysene	730		18	3.0	ug/Kg	☼	06/01/17 10:09	06/07/17 19:13	2
Dibenz(a,h)anthracene	120		18	1.8	ug/Kg	☼	06/01/17 10:09	06/07/17 19:13	2
Fluoranthene	1400		18	1.5	ug/Kg	☼	06/01/17 10:09	06/07/17 19:13	2
Fluorene	66		18	1.4	ug/Kg	☼	06/01/17 10:09	06/07/17 19:13	2
Indeno[1,2,3-cd]pyrene	410		18	0.95	ug/Kg	☼	06/01/17 10:09	06/07/17 19:13	2
Naphthalene	140		18	2.2	ug/Kg	☼	06/01/17 10:09	06/07/17 19:13	2
Phenanthrene	770		18	2.0	ug/Kg	☼	06/01/17 10:09	06/07/17 19:13	2
Pyrene	1300		18	1.2	ug/Kg	☼	06/01/17 10:09	06/07/17 19:13	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*61*		*32 - 120*	*06/01/17 10:09*	*06/07/17 19:13*	*2*
2-Fluorophenol (Surr)	*61*		*29 - 120*	*06/01/17 10:09*	*06/07/17 19:13*	*2*
Nitrobenzene-d5 (Surr)	*62*		*30 - 120*	*06/01/17 10:09*	*06/07/17 19:13*	*2*
Phenol-d5 (Surr)	*66*		*29 - 120*	*06/01/17 10:09*	*06/07/17 19:13*	*2*
Terphenyl-d14 (Surr)	*58*		*41 - 120*	*06/01/17 10:09*	*06/07/17 19:13*	*2*
2,4,6-Tribromophenol (Surr)	*45*		*10 - 120*	*06/01/17 10:09*	*06/07/17 19:13*	*2*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		70	33	ug/Kg	☼	06/01/17 09:16	06/03/17 17:03	1
Aroclor-1221	ND		70	32	ug/Kg	☼	06/01/17 09:16	06/03/17 17:03	1
Aroclor-1232	ND		70	22	ug/Kg	☼	06/01/17 09:16	06/03/17 17:03	1
Aroclor-1242	ND		70	28	ug/Kg	☼	06/01/17 09:16	06/03/17 17:03	1
Aroclor-1248	ND		70	24	ug/Kg	☼	06/01/17 09:16	06/03/17 17:03	1
Aroclor-1254	ND		70	19	ug/Kg	☼	06/01/17 09:16	06/03/17 17:03	1
Aroclor-1260	ND		70	25	ug/Kg	☼	06/01/17 09:16	06/03/17 17:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*73*		*14 - 128*	*06/01/17 09:16*	*06/03/17 17:03*	*1*
DCB Decachlorobiphenyl	*78*		*10 - 132*	*06/01/17 09:16*	*06/03/17 17:03*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	2300		22	6.4	mg/Kg	☼	06/05/17 11:27	06/06/17 17:48	1
Calcium	15000	F1	550	25	mg/Kg	☼	06/05/17 11:27	06/06/17 17:48	1
Iron	13000		11	3.5	mg/Kg	☼	06/05/17 11:27	06/06/17 17:48	1
Magnesium	5300	B F1	550	5.7	mg/Kg	☼	06/05/17 11:27	06/06/17 17:48	1
Potassium	250	J B	550	6.9	mg/Kg	☼	06/05/17 11:27	06/06/17 17:48	1
Selenium	0.82		0.55	0.38	mg/Kg	☼	06/05/17 11:27	06/06/17 17:48	1
Sodium	120	J B	550	21	mg/Kg	☼	06/05/17 11:27	06/06/17 17:48	1

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron, Ohio

TestAmerica Job ID: 240-80215-1

Client Sample ID: TS6 - GRID D55
Date Collected: 05/30/17 16:30
Date Received: 05/31/17 12:00

Lab Sample ID: 240-80215-7
Matrix: Solid
Percent Solids: 73.0

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.9		1.1	0.029	mg/Kg	☼	06/05/17 11:27	06/07/17 23:15	2
Barium	34	F2	1.1	0.24	mg/Kg	☼	06/05/17 11:27	06/07/17 23:15	2
Cadmium	0.31	F2	0.22	0.0041	mg/Kg	☼	06/05/17 11:27	06/07/17 23:15	2
Chromium	7.3	F2 B	0.44	0.066	mg/Kg	☼	06/05/17 11:27	06/07/17 23:15	2
Copper	24	F2 B	0.44	0.11	mg/Kg	☼	06/05/17 11:27	06/07/17 23:15	2
Lead	60	F1 B	0.22	0.050	mg/Kg	☼	06/05/17 11:27	06/07/17 23:15	2
Manganese	180	F2 F1	1.1	0.13	mg/Kg	☼	06/05/17 11:27	06/07/17 23:15	2
Nickel	7.3	F2 B	0.44	0.043	mg/Kg	☼	06/05/17 11:27	06/07/17 23:15	2
Strontium	21	B	2.2	0.028	mg/Kg	☼	06/05/17 11:27	06/08/17 13:00	2
Zinc	120	F2 F1	4.4	0.55	mg/Kg	☼	06/05/17 11:27	06/07/17 23:15	2

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.062	J	0.16	0.028	mg/Kg	☼	06/03/17 12:00	06/05/17 12:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Duplicates	27000		1400	1000	mg/Kg	☼		06/13/17 18:34	1
Percent Solids	73.0		0.1	0.1	%			06/01/17 08:15	1
Percent Moisture	27.0		0.1	0.1	%			06/01/17 08:15	1

Method: D422 - Grain Size

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gravel	16.3				%			06/02/17 16:34	1
Sieve Size 3 inch - Percent Finer	100.0				% Passing			06/02/17 16:34	1
Sand	66.5				%			06/02/17 16:34	1
Sieve Size 2 inch - Percent Finer	100.0				% Passing			06/02/17 16:34	1
Coarse Sand	12.1				%			06/02/17 16:34	1
Sieve Size 1.5 inch - Percent Finer	100.0				% Passing			06/02/17 16:34	1
Medium Sand	21.5				%			06/02/17 16:34	1
Sieve Size 1 inch - Percent Finer	100.0				% Passing			06/02/17 16:34	1
Fine Sand	32.9				%			06/02/17 16:34	1
Sieve Size 0.75 inch - Percent Finer	94.7				% Passing			06/02/17 16:34	1
Sieve Size 0.375 inch - Percent Finer	93.1				% Passing			06/02/17 16:34	1
Silt	15.7				%			06/02/17 16:34	1
Clay	1.5				%			06/02/17 16:34	1
Sieve Size #4 - Percent Finer	83.7				% Passing			06/02/17 16:34	1
Sieve Size #10 - Percent Finer	71.6				% Passing			06/02/17 16:34	1
Sieve Size #20 - Percent Finer	65.1				% Passing			06/02/17 16:34	1
Sieve Size #40 - Percent Finer	50.1				% Passing			06/02/17 16:34	1
Sieve Size #60 - Percent Finer	29.7				% Passing			06/02/17 16:34	1
Sieve Size #80 - Percent Finer	21.7				% Passing			06/02/17 16:34	1
Sieve Size #100 - Percent Finer	19.4				% Passing			06/02/17 16:34	1
Sieve Size #200 - Percent Finer	17.2				% Passing			06/02/17 16:34	1
Hydrometer Reading 1 - Percent Finer	3.0				% Passing			06/02/17 16:34	1
Hydrometer Reading 2 - Percent Finer	3.0				% Passing			06/02/17 16:34	1

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron, Ohio

TestAmerica Job ID: 240-80215-1

Client Sample ID: TS6 - GRID D55
Date Collected: 05/30/17 16:30
Date Received: 05/31/17 12:00

Lab Sample ID: 240-80215-7
Matrix: Solid
Percent Solids: 73.0

Method: D422 - Grain Size (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hydrometer Reading 3 - Percent Finer	2.5				% Passing			06/02/17 16:34	1
Hydrometer Reading 4 - Percent Finer	2.0				% Passing			06/02/17 16:34	1
Hydrometer Reading 5 - Percent Finer	1.5				% Passing			06/02/17 16:34	1
Hydrometer Reading 6 - Percent Finer	1.4				% Passing			06/02/17 16:34	1
Hydrometer Reading 7 - Percent Finer	1.4				% Passing			06/02/17 16:34	1

Client Sample ID: TS7 - GRID D48

Date Collected: 05/30/17 17:10
Date Received: 05/31/17 12:00

Lab Sample ID: 240-80215-8

Matrix: Solid
Percent Solids: 63.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	52		21	2.4	ug/Kg	☼	06/01/17 10:09	06/07/17 19:35	2
Acenaphthylene	26		21	1.1	ug/Kg	☼	06/01/17 10:09	06/07/17 19:35	2
Anthracene	150		21	2.5	ug/Kg	☼	06/01/17 10:09	06/07/17 19:35	2
Benzo[a]anthracene	400		21	2.0	ug/Kg	☼	06/01/17 10:09	06/07/17 19:35	2
Benzo[a]pyrene	360		21	2.0	ug/Kg	☼	06/01/17 10:09	06/07/17 19:35	2
Benzo[b]fluoranthene	560		21	1.9	ug/Kg	☼	06/01/17 10:09	06/07/17 19:35	2
Benzo[g,h,i]perylene	310		21	1.1	ug/Kg	☼	06/01/17 10:09	06/07/17 19:35	2
Benzo[k]fluoranthene	200		21	2.2	ug/Kg	☼	06/01/17 10:09	06/07/17 19:35	2
Chrysene	460		21	3.5	ug/Kg	☼	06/01/17 10:09	06/07/17 19:35	2
Dibenz(a,h)anthracene	75		21	2.1	ug/Kg	☼	06/01/17 10:09	06/07/17 19:35	2
Fluoranthene	860		21	1.7	ug/Kg	☼	06/01/17 10:09	06/07/17 19:35	2
Fluorene	49		21	1.7	ug/Kg	☼	06/01/17 10:09	06/07/17 19:35	2
Indeno[1,2,3-cd]pyrene	240		21	1.1	ug/Kg	☼	06/01/17 10:09	06/07/17 19:35	2
Naphthalene	270		21	2.6	ug/Kg	☼	06/01/17 10:09	06/07/17 19:35	2
Phenanthrene	450		21	2.3	ug/Kg	☼	06/01/17 10:09	06/07/17 19:35	2
Pyrene	880		21	1.4	ug/Kg	☼	06/01/17 10:09	06/07/17 19:35	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*57*		*32 - 120*	*06/01/17 10:09*	*06/07/17 19:35*	*2*
2-Fluorophenol (Surr)	*57*		*29 - 120*	*06/01/17 10:09*	*06/07/17 19:35*	*2*
Nitrobenzene-d5 (Surr)	*58*		*30 - 120*	*06/01/17 10:09*	*06/07/17 19:35*	*2*
Phenol-d5 (Surr)	*62*		*29 - 120*	*06/01/17 10:09*	*06/07/17 19:35*	*2*
Terphenyl-d14 (Surr)	*57*		*41 - 120*	*06/01/17 10:09*	*06/07/17 19:35*	*2*
2,4,6-Tribromophenol (Surr)	*44*		*10 - 120*	*06/01/17 10:09*	*06/07/17 19:35*	*2*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		80	38	ug/Kg	☼	06/01/17 09:16	06/03/17 17:23	1
Aroclor-1221	ND		80	37	ug/Kg	☼	06/01/17 09:16	06/03/17 17:23	1
Aroclor-1232	ND		80	26	ug/Kg	☼	06/01/17 09:16	06/03/17 17:23	1
Aroclor-1242	ND		80	32	ug/Kg	☼	06/01/17 09:16	06/03/17 17:23	1
Aroclor-1248	ND		80	27	ug/Kg	☼	06/01/17 09:16	06/03/17 17:23	1
Aroclor-1254	56	J p	80	22	ug/Kg	☼	06/01/17 09:16	06/03/17 17:23	1
Aroclor-1260	ND		80	29	ug/Kg	☼	06/01/17 09:16	06/03/17 17:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*57*		*14 - 128*	*06/01/17 09:16*	*06/03/17 17:23*	*1*
DCB Decachlorobiphenyl	*58*	*p*	*10 - 132*	*06/01/17 09:16*	*06/03/17 17:23*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	3500		26	7.5	mg/Kg	☼	06/05/17 11:27	06/06/17 18:17	1
Calcium	25000		650	30	mg/Kg	☼	06/05/17 11:27	06/06/17 18:17	1
Iron	17000		13	4.1	mg/Kg	☼	06/05/17 11:27	06/06/17 18:17	1
Magnesium	10000	B	650	6.7	mg/Kg	☼	06/05/17 11:27	06/06/17 18:17	1
Potassium	340	J B	650	8.0	mg/Kg	☼	06/05/17 11:27	06/06/17 18:17	1
Selenium	1.0		0.65	0.44	mg/Kg	☼	06/05/17 11:27	06/06/17 18:17	1
Sodium	160	J B	650	25	mg/Kg	☼	06/05/17 11:27	06/06/17 18:17	1

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron, Ohio

TestAmerica Job ID: 240-80215-1

Client Sample ID: TS7 - GRID D48
Date Collected: 05/30/17 17:10
Date Received: 05/31/17 12:00

Lab Sample ID: 240-80215-8
Matrix: Solid
Percent Solids: 63.8

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	12		1.3	0.034	mg/Kg	☼	06/05/17 11:27	06/07/17 23:27	2
Barium	63		1.3	0.28	mg/Kg	☼	06/05/17 11:27	06/07/17 23:27	2
Cadmium	0.67		0.26	0.0048	mg/Kg	☼	06/05/17 11:27	06/07/17 23:27	2
Chromium	14	B	0.52	0.078	mg/Kg	☼	06/05/17 11:27	06/07/17 23:27	2
Copper	22	B	0.52	0.13	mg/Kg	☼	06/05/17 11:27	06/07/17 23:27	2
Lead	140	B	0.26	0.058	mg/Kg	☼	06/05/17 11:27	06/07/17 23:27	2
Manganese	200		1.3	0.16	mg/Kg	☼	06/05/17 11:27	06/07/17 23:27	2
Nickel	12	B	0.52	0.051	mg/Kg	☼	06/05/17 11:27	06/07/17 23:27	2
Strontium	32	B	2.6	0.032	mg/Kg	☼	06/05/17 11:27	06/08/17 13:21	2
Zinc	220		5.2	0.65	mg/Kg	☼	06/05/17 11:27	06/07/17 23:27	2

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.034	J	0.15	0.027	mg/Kg	☼	06/03/17 12:00	06/05/17 12:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Duplicates	64000	H F1 F2	1600	1200	mg/Kg	☼		06/14/17 15:33	1
Percent Solids	63.8		0.1	0.1	%			06/01/17 08:15	1
Percent Moisture	36.2		0.1	0.1	%			06/01/17 08:15	1

Method: D422 - Grain Size

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gravel	11.9				%			06/02/17 16:35	1
Sieve Size 3 inch - Percent Finer	100.0				% Passing			06/02/17 16:35	1
Sand	75.1				%			06/02/17 16:35	1
Sieve Size 2 inch - Percent Finer	100.0				% Passing			06/02/17 16:35	1
Coarse Sand	14.9				%			06/02/17 16:35	1
Sieve Size 1.5 inch - Percent Finer	100.0				% Passing			06/02/17 16:35	1
Medium Sand	19.1				%			06/02/17 16:35	1
Sieve Size 1 inch - Percent Finer	100.0				% Passing			06/02/17 16:35	1
Fine Sand	41.1				%			06/02/17 16:35	1
Sieve Size 0.75 inch - Percent Finer	100.0				% Passing			06/02/17 16:35	1
Sieve Size 0.375 inch - Percent Finer	97.7				% Passing			06/02/17 16:35	1
Silt	11.2				%			06/02/17 16:35	1
Clay	1.8				%			06/02/17 16:35	1
Sieve Size #4 - Percent Finer	88.1				% Passing			06/02/17 16:35	1
Sieve Size #10 - Percent Finer	73.2				% Passing			06/02/17 16:35	1
Sieve Size #20 - Percent Finer	67.3				% Passing			06/02/17 16:35	1
Sieve Size #40 - Percent Finer	54.1				% Passing			06/02/17 16:35	1
Sieve Size #60 - Percent Finer	30.5				% Passing			06/02/17 16:35	1
Sieve Size #80 - Percent Finer	21.4				% Passing			06/02/17 16:35	1
Sieve Size #100 - Percent Finer	17.9				% Passing			06/02/17 16:35	1
Sieve Size #200 - Percent Finer	13.0				% Passing			06/02/17 16:35	1
Hydrometer Reading 1 - Percent Finer	3.7				% Passing			06/02/17 16:35	1
Hydrometer Reading 2 - Percent Finer	2.7				% Passing			06/02/17 16:35	1

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron, Ohio

TestAmerica Job ID: 240-80215-1

Client Sample ID: TS7 - GRID D48
Date Collected: 05/30/17 17:10
Date Received: 05/31/17 12:00

Lab Sample ID: 240-80215-8
Matrix: Solid
Percent Solids: 63.8

Method: D422 - Grain Size (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hydrometer Reading 3 - Percent Finer	2.7				% Passing			06/02/17 16:35	1
Hydrometer Reading 4 - Percent Finer	2.3				% Passing			06/02/17 16:35	1
Hydrometer Reading 5 - Percent Finer	1.8				% Passing			06/02/17 16:35	1
Hydrometer Reading 6 - Percent Finer	1.7				% Passing			06/02/17 16:35	1
Hydrometer Reading 7 - Percent Finer	1.3				% Passing			06/02/17 16:35	1

Client Sample ID: TS8 - GRID D27

Date Collected: 05/30/17 17:50
Date Received: 05/31/17 12:00

Lab Sample ID: 240-80215-9

Matrix: Solid
Percent Solids: 58.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	280		110	13	ug/Kg	☼	06/01/17 10:09	06/07/17 17:43	10
Acenaphthylene	62	J	110	6.0	ug/Kg	☼	06/01/17 10:09	06/07/17 17:43	10
Anthracene	680		110	13	ug/Kg	☼	06/01/17 10:09	06/07/17 17:43	10
Benzo[a]anthracene	2100		110	11	ug/Kg	☼	06/01/17 10:09	06/07/17 17:43	10
Benzo[a]pyrene	1800		110	11	ug/Kg	☼	06/01/17 10:09	06/07/17 17:43	10
Benzo[b]fluoranthene	2300		110	10	ug/Kg	☼	06/01/17 10:09	06/07/17 17:43	10
Benzo[g,h,i]perylene	1500		110	6.0	ug/Kg	☼	06/01/17 10:09	06/07/17 17:43	10
Benzo[k]fluoranthene	970		110	12	ug/Kg	☼	06/01/17 10:09	06/07/17 17:43	10
Chrysene	2000		110	19	ug/Kg	☼	06/01/17 10:09	06/07/17 17:43	10
Dibenz(a,h)anthracene	290		110	11	ug/Kg	☼	06/01/17 10:09	06/07/17 17:43	10
Fluoranthene	4100		110	9.4	ug/Kg	☼	06/01/17 10:09	06/07/17 17:43	10
Fluorene	230		110	9.1	ug/Kg	☼	06/01/17 10:09	06/07/17 17:43	10
Indeno[1,2,3-cd]pyrene	1000		110	6.0	ug/Kg	☼	06/01/17 10:09	06/07/17 17:43	10
Naphthalene	660		110	14	ug/Kg	☼	06/01/17 10:09	06/07/17 17:43	10
Phenanthrene	2300		110	13	ug/Kg	☼	06/01/17 10:09	06/07/17 17:43	10
Pyrene	5700		110	7.5	ug/Kg	☼	06/01/17 10:09	06/07/17 17:43	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*70*		*32 - 120*	*06/01/17 10:09*	*06/07/17 17:43*	*10*
2-Fluorophenol (Surr)	*70*		*29 - 120*	*06/01/17 10:09*	*06/07/17 17:43*	*10*
Nitrobenzene-d5 (Surr)	*69*		*30 - 120*	*06/01/17 10:09*	*06/07/17 17:43*	*10*
Phenol-d5 (Surr)	*73*		*29 - 120*	*06/01/17 10:09*	*06/07/17 17:43*	*10*
Terphenyl-d14 (Surr)	*69*		*41 - 120*	*06/01/17 10:09*	*06/07/17 17:43*	*10*
2,4,6-Tribromophenol (Surr)	*44*		*10 - 120*	*06/01/17 10:09*	*06/07/17 17:43*	*10*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		88	42	ug/Kg	☼	06/01/17 09:16	06/03/17 17:42	1
Aroclor-1221	ND		88	40	ug/Kg	☼	06/01/17 09:16	06/03/17 17:42	1
Aroclor-1232	ND		88	28	ug/Kg	☼	06/01/17 09:16	06/03/17 17:42	1
Aroclor-1242	ND		88	35	ug/Kg	☼	06/01/17 09:16	06/03/17 17:42	1
Aroclor-1248	ND		88	30	ug/Kg	☼	06/01/17 09:16	06/03/17 17:42	1
Aroclor-1254	ND		88	25	ug/Kg	☼	06/01/17 09:16	06/03/17 17:42	1
Aroclor-1260	ND		88	32	ug/Kg	☼	06/01/17 09:16	06/03/17 17:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*46*		*14 - 128*	*06/01/17 09:16*	*06/03/17 17:42*	*1*
DCB Decachlorobiphenyl	*49*	*p*	*10 - 132*	*06/01/17 09:16*	*06/03/17 17:42*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	5300		27	7.8	mg/Kg	☼	06/05/17 11:27	06/06/17 18:21	1
Calcium	19000		670	31	mg/Kg	☼	06/05/17 11:27	06/06/17 18:21	1
Iron	19000		13	4.3	mg/Kg	☼	06/05/17 11:27	06/06/17 18:21	1
Magnesium	2200	B	670	7.0	mg/Kg	☼	06/05/17 11:27	06/06/17 18:21	1
Potassium	460	J B	670	8.4	mg/Kg	☼	06/05/17 11:27	06/06/17 18:21	1
Selenium	0.99		0.67	0.46	mg/Kg	☼	06/05/17 11:27	06/06/17 18:21	1
Sodium	240	J B	670	26	mg/Kg	☼	06/05/17 11:27	06/06/17 18:21	1

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron, Ohio

TestAmerica Job ID: 240-80215-1

Client Sample ID: TS8 - GRID D27

Date Collected: 05/30/17 17:50
Date Received: 05/31/17 12:00

Lab Sample ID: 240-80215-9

Matrix: Solid
Percent Solids: 58.3

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	13		1.3	0.035	mg/Kg	☼	06/05/17 11:27	06/07/17 23:31	2
Barium	88		1.3	0.30	mg/Kg	☼	06/05/17 11:27	06/07/17 23:31	2
Cadmium	0.62		0.27	0.0050	mg/Kg	☼	06/05/17 11:27	06/07/17 23:31	2
Chromium	15	B	0.54	0.081	mg/Kg	☼	06/05/17 11:27	06/07/17 23:31	2
Copper	84	B	0.54	0.13	mg/Kg	☼	06/05/17 11:27	06/07/17 23:31	2
Lead	140	B	0.27	0.061	mg/Kg	☼	06/05/17 11:27	06/07/17 23:31	2
Manganese	360		1.3	0.16	mg/Kg	☼	06/05/17 11:27	06/07/17 23:31	2
Nickel	13	B	0.54	0.053	mg/Kg	☼	06/05/17 11:27	06/07/17 23:31	2
Strontium	56	B	2.7	0.034	mg/Kg	☼	06/05/17 11:27	06/08/17 13:25	2
Zinc	220		5.4	0.67	mg/Kg	☼	06/05/17 11:27	06/07/17 23:31	2

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.15	J	0.19	0.034	mg/Kg	☼	06/03/17 12:00	06/05/17 12:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Duplicates	120000	H	1700	1300	mg/Kg	☼		06/14/17 15:43	1
Percent Solids	58.3		0.1	0.1	%			06/01/17 08:15	1
Percent Moisture	41.7		0.1	0.1	%			06/01/17 08:15	1

Method: D422 - Grain Size

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gravel	9.2				%			06/02/17 16:38	1
Sieve Size 3 inch - Percent Finer	100.0				% Passing			06/02/17 16:38	1
Sand	60.8				%			06/02/17 16:38	1
Sieve Size 2 inch - Percent Finer	100.0				% Passing			06/02/17 16:38	1
Coarse Sand	3.8				%			06/02/17 16:38	1
Sieve Size 1.5 inch - Percent Finer	100.0				% Passing			06/02/17 16:38	1
Medium Sand	8.8				%			06/02/17 16:38	1
Sieve Size 1 inch - Percent Finer	100.0				% Passing			06/02/17 16:38	1
Fine Sand	48.2				%			06/02/17 16:38	1
Sieve Size 0.75 inch - Percent Finer	100.0				% Passing			06/02/17 16:38	1
Sieve Size 0.375 inch - Percent Finer	98.0				% Passing			06/02/17 16:38	1
Silt	25.0				%			06/02/17 16:38	1
Clay	5.0				%			06/02/17 16:38	1
Sieve Size #4 - Percent Finer	90.8				% Passing			06/02/17 16:38	1
Sieve Size #10 - Percent Finer	87.0				% Passing			06/02/17 16:38	1
Sieve Size #20 - Percent Finer	84.0				% Passing			06/02/17 16:38	1
Sieve Size #40 - Percent Finer	78.2				% Passing			06/02/17 16:38	1
Sieve Size #60 - Percent Finer	67.7				% Passing			06/02/17 16:38	1
Sieve Size #80 - Percent Finer	58.0				% Passing			06/02/17 16:38	1
Sieve Size #100 - Percent Finer	51.1				% Passing			06/02/17 16:38	1
Sieve Size #200 - Percent Finer	30.0				% Passing			06/02/17 16:38	1
Hydrometer Reading 1 - Percent Finer	18.2				% Passing			06/02/17 16:38	1
Hydrometer Reading 2 - Percent Finer	12.4				% Passing			06/02/17 16:38	1

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron, Ohio

TestAmerica Job ID: 240-80215-1

Client Sample ID: TS8 - GRID D27
Date Collected: 05/30/17 17:50
Date Received: 05/31/17 12:00

Lab Sample ID: 240-80215-9
Matrix: Solid
Percent Solids: 58.3

Method: D422 - Grain Size (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hydrometer Reading 3 - Percent Finer	8.3				% Passing			06/02/17 16:38	1
Hydrometer Reading 4 - Percent Finer	5.8				% Passing			06/02/17 16:38	1
Hydrometer Reading 5 - Percent Finer	5.0				% Passing			06/02/17 16:38	1
Hydrometer Reading 6 - Percent Finer	3.9				% Passing			06/02/17 16:38	1
Hydrometer Reading 7 - Percent Finer	3.1				% Passing			06/02/17 16:38	1

Client Sample ID: TS9 - CANAL_1

Date Collected: 05/30/17 18:30
Date Received: 05/31/17 12:00

Lab Sample ID: 240-80215-10

Matrix: Solid
Percent Solids: 64.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		100	12	ug/Kg	☼	06/01/17 10:09	06/07/17 16:36	10
Acenaphthylene	ND		100	5.5	ug/Kg	☼	06/01/17 10:09	06/07/17 16:36	10
Anthracene	**57**	**J**	100	12	ug/Kg	☼	06/01/17 10:09	06/07/17 16:36	10
Benzo[a]anthracene	**220**		100	9.9	ug/Kg	☼	06/01/17 10:09	06/07/17 16:36	10
Benzo[a]pyrene	**200**		100	10	ug/Kg	☼	06/01/17 10:09	06/07/17 16:36	10
Benzo[b]fluoranthene	**340**		100	9.3	ug/Kg	☼	06/01/17 10:09	06/07/17 16:36	10
Benzo[g,h,i]perylene	**180**		100	5.5	ug/Kg	☼	06/01/17 10:09	06/07/17 16:36	10
Benzo[k]fluoranthene	**110**		100	11	ug/Kg	☼	06/01/17 10:09	06/07/17 16:36	10
Chrysene	**250**		100	17	ug/Kg	☼	06/01/17 10:09	06/07/17 16:36	10
Dibenz(a,h)anthracene	ND		100	10	ug/Kg	☼	06/01/17 10:09	06/07/17 16:36	10
Fluoranthene	**500**		100	8.6	ug/Kg	☼	06/01/17 10:09	06/07/17 16:36	10
Fluorene	ND		100	8.3	ug/Kg	☼	06/01/17 10:09	06/07/17 16:36	10
Indeno[1,2,3-cd]pyrene	**130**		100	5.5	ug/Kg	☼	06/01/17 10:09	06/07/17 16:36	10
Naphthalene	**69**	**J**	100	13	ug/Kg	☼	06/01/17 10:09	06/07/17 16:36	10
Phenanthrene	**190**		100	11	ug/Kg	☼	06/01/17 10:09	06/07/17 16:36	10
Pyrene	**550**		100	6.9	ug/Kg	☼	06/01/17 10:09	06/07/17 16:36	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*76*		*32 - 120*	*06/01/17 10:09*	*06/07/17 16:36*	*10*
2-Fluorophenol (Surr)	*81*		*29 - 120*	*06/01/17 10:09*	*06/07/17 16:36*	*10*
Nitrobenzene-d5 (Surr)	*78*		*30 - 120*	*06/01/17 10:09*	*06/07/17 16:36*	*10*
Phenol-d5 (Surr)	*78*		*29 - 120*	*06/01/17 10:09*	*06/07/17 16:36*	*10*
Terphenyl-d14 (Surr)	*71*		*41 - 120*	*06/01/17 10:09*	*06/07/17 16:36*	*10*
2,4,6-Tribromophenol (Surr)	*48*		*10 - 120*	*06/01/17 10:09*	*06/07/17 16:36*	*10*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		80	38	ug/Kg	☼	06/01/17 09:16	06/03/17 18:02	1
Aroclor-1221	ND		80	37	ug/Kg	☼	06/01/17 09:16	06/03/17 18:02	1
Aroclor-1232	ND		80	25	ug/Kg	☼	06/01/17 09:16	06/03/17 18:02	1
Aroclor-1242	ND		80	32	ug/Kg	☼	06/01/17 09:16	06/03/17 18:02	1
Aroclor-1248	ND		80	27	ug/Kg	☼	06/01/17 09:16	06/03/17 18:02	1
Aroclor-1254	**45**	**J**	80	22	ug/Kg	☼	06/01/17 09:16	06/03/17 18:02	1
Aroclor-1260	ND	F2	80	29	ug/Kg	☼	06/01/17 09:16	06/03/17 18:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*62*		*14 - 128*	*06/01/17 09:16*	*06/03/17 18:02*	*1*
DCB Decachlorobiphenyl	*60*	*p*	*10 - 132*	*06/01/17 09:16*	*06/03/17 18:02*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**2500**		26	7.4	mg/Kg	☼	06/05/17 11:27	06/06/17 18:25	1
Calcium	**10000**		640	29	mg/Kg	☼	06/05/17 11:27	06/06/17 18:25	1
Iron	**7800**		13	4.1	mg/Kg	☼	06/05/17 11:27	06/06/17 18:25	1
Magnesium	**1400**	**B**	640	6.7	mg/Kg	☼	06/05/17 11:27	06/06/17 18:25	1
Potassium	**300**	**J B**	640	7.9	mg/Kg	☼	06/05/17 11:27	06/06/17 18:25	1
Selenium	**0.57**	**J**	0.64	0.44	mg/Kg	☼	06/05/17 11:27	06/06/17 18:25	1
Sodium	**130**	**J B**	640	24	mg/Kg	☼	06/05/17 11:27	06/06/17 18:25	1

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron, Ohio

TestAmerica Job ID: 240-80215-1

Client Sample ID: TS9 - CANAL_1
Date Collected: 05/30/17 18:30
Date Received: 05/31/17 12:00

Lab Sample ID: 240-80215-10
Matrix: Solid
Percent Solids: 64.5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	11		1.3	0.033	mg/Kg	☼	06/05/17 11:27	06/07/17 23:36	2
Barium	23		1.3	0.28	mg/Kg	☼	06/05/17 11:27	06/07/17 23:36	2
Cadmium	0.34		0.26	0.0047	mg/Kg	☼	06/05/17 11:27	06/07/17 23:36	2
Chromium	9.5	B	0.51	0.077	mg/Kg	☼	06/05/17 11:27	06/07/17 23:36	2
Copper	18	B	0.51	0.12	mg/Kg	☼	06/05/17 11:27	06/07/17 23:36	2
Lead	48	B	0.26	0.058	mg/Kg	☼	06/05/17 11:27	06/07/17 23:36	2
Manganese	150		1.3	0.15	mg/Kg	☼	06/05/17 11:27	06/07/17 23:36	2
Nickel	8.1	B	0.51	0.050	mg/Kg	☼	06/05/17 11:27	06/07/17 23:36	2
Strontium	16	B	2.6	0.032	mg/Kg	☼	06/05/17 11:27	06/08/17 13:29	2
Zinc	140		5.1	0.64	mg/Kg	☼	06/05/17 11:27	06/07/17 23:36	2

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.070	J	0.18	0.032	mg/Kg	☼	06/03/17 12:00	06/05/17 12:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Duplicates	17000		1600	1200	mg/Kg	☼		06/13/17 19:14	1
Percent Solids	64.5		0.1	0.1	%			06/01/17 08:15	1
Percent Moisture	35.5		0.1	0.1	%			06/01/17 08:15	1

Method: D422 - Grain Size

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gravel	3.1				%			06/02/17 16:39	1
Sieve Size 3 inch - Percent Finer	100.0				% Passing			06/02/17 16:39	1
Sand	76.3				%			06/02/17 16:39	1
Sieve Size 2 inch - Percent Finer	100.0				% Passing			06/02/17 16:39	1
Coarse Sand	4.1				%			06/02/17 16:39	1
Sieve Size 1.5 inch - Percent Finer	100.0				% Passing			06/02/17 16:39	1
Medium Sand	17.6				%			06/02/17 16:39	1
Sieve Size 1 inch - Percent Finer	100.0				% Passing			06/02/17 16:39	1
Fine Sand	54.6				%			06/02/17 16:39	1
Sieve Size 0.75 inch - Percent Finer	100.0				% Passing			06/02/17 16:39	1
Sieve Size 0.375 inch - Percent Finer	100.0				% Passing			06/02/17 16:39	1
Silt	14.4				%			06/02/17 16:39	1
Clay	6.2				%			06/02/17 16:39	1
Sieve Size #4 - Percent Finer	96.9				% Passing			06/02/17 16:39	1
Sieve Size #10 - Percent Finer	92.8				% Passing			06/02/17 16:39	1
Sieve Size #20 - Percent Finer	88.6				% Passing			06/02/17 16:39	1
Sieve Size #40 - Percent Finer	75.2				% Passing			06/02/17 16:39	1
Sieve Size #60 - Percent Finer	51.7				% Passing			06/02/17 16:39	1
Sieve Size #80 - Percent Finer	33.8				% Passing			06/02/17 16:39	1
Sieve Size #100 - Percent Finer	26.7				% Passing			06/02/17 16:39	1
Sieve Size #200 - Percent Finer	20.6				% Passing			06/02/17 16:39	1
Hydrometer Reading 1 - Percent Finer	15.4				% Passing			06/02/17 16:39	1
Hydrometer Reading 2 - Percent Finer	12.4				% Passing			06/02/17 16:39	1

Client Sample ID: TS9 - CANAL_1
Date Collected: 05/30/17 18:30
Date Received: 05/31/17 12:00

Lab Sample ID: 240-80215-10
Matrix: Solid
Percent Solids: 64.5

Method: D422 - Grain Size (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hydrometer Reading 3 - Percent Finer	8.7				% Passing			06/02/17 16:39	1
Hydrometer Reading 4 - Percent Finer	7.4				% Passing			06/02/17 16:39	1
Hydrometer Reading 5 - Percent Finer	6.2				% Passing			06/02/17 16:39	1
Hydrometer Reading 6 - Percent Finer	4.2				% Passing			06/02/17 16:39	1
Hydrometer Reading 7 - Percent Finer	3.6				% Passing			06/02/17 16:39	1

Surrogate Summary

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron, Ohio

TestAmerica Job ID: 240-80215-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)					
		FBP	2FP	NBZ	PHL	TPH	TBP
Lab Sample ID	Client Sample ID	(32-120)	(29-120)	(30-120)	(29-120)	(41-120)	(10-120)
240-80215-1	TS1 - GRID B37	65	63	66	66	66	55
240-80215-2	TS2 - GRID C8 DUP A	68	70	66	77	66	46
240-80215-3	TS2 - GRID C8 DUP B	71	72	70	76	67	44
240-80215-4	TS3 - GRID B51	65	72	73	75	64	57
240-80215-5	TS4 - GRID B61	75	76	73	81	71	55
240-80215-6	TS5 - CANAL_2	61	62	59	66	59	57
240-80215-7	TS6 - GRID D55	61	61	62	66	58	45
240-80215-8	TS7 - GRID D48	57	57	58	62	57	44
240-80215-9	TS8 - GRID D27	70	70	69	73	69	44
240-80215-10	TS9 - CANAL_1	76	81	78	78	71	48
240-80215-10 MS	TS9 - CANAL_1	76	76	76	80	72	49
240-80215-10 MSD	TS9 - CANAL_1	82	78	83	85	78	56
LCS 240-281185/23-A	Lab Control Sample	66	62	65	67	70	21
MB 240-281185/22-A	Method Blank	65	49	46	53	52	10

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
		TCX1	DCB1
Lab Sample ID	Client Sample ID	(14-128)	(10-132)
240-80215-1	TS1 - GRID B37	72	75 p
240-80215-2	TS2 - GRID C8 DUP A	55 p	60 p
240-80215-3	TS2 - GRID C8 DUP B	63	78
240-80215-4	TS3 - GRID B51	61	58 p
240-80215-5	TS4 - GRID B61	61	125
240-80215-6	TS5 - CANAL_2	61	73 p
240-80215-7	TS6 - GRID D55	73	78
240-80215-8	TS7 - GRID D48	57	58 p
240-80215-9	TS8 - GRID D27	46	49 p
240-80215-10	TS9 - CANAL_1	62	60 p
240-80215-10 MS	TS9 - CANAL_1	75	71
240-80215-10 MSD	TS9 - CANAL_1	57	51 p
LCS 240-281169/14-A	Lab Control Sample	66	70
MB 240-281169/13-A	Method Blank	65	71

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

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

Lab Sample ID: MB 240-281185/22-A
Matrix: Solid
Analysis Batch: 281757

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 281185

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		6.7	0.76	ug/Kg		06/01/17 10:09	06/06/17 09:57	1
Acenaphthylene	ND		6.7	0.35	ug/Kg		06/01/17 10:09	06/06/17 09:57	1
Anthracene	ND		6.7	0.78	ug/Kg		06/01/17 10:09	06/06/17 09:57	1
Benzo[a]anthracene	ND		6.7	0.63	ug/Kg		06/01/17 10:09	06/06/17 09:57	1
Benzo[a]pyrene	ND		6.7	0.64	ug/Kg		06/01/17 10:09	06/06/17 09:57	1
Benzo[b]fluoranthene	ND		6.7	0.59	ug/Kg		06/01/17 10:09	06/06/17 09:57	1
Benzo[g,h,i]perylene	ND		6.7	0.35	ug/Kg		06/01/17 10:09	06/06/17 09:57	1
Benzo[k]fluoranthene	ND		6.7	0.68	ug/Kg		06/01/17 10:09	06/06/17 09:57	1
Chrysene	ND		6.7	1.1	ug/Kg		06/01/17 10:09	06/06/17 09:57	1
Dibenz(a,h)anthracene	ND		6.7	0.66	ug/Kg		06/01/17 10:09	06/06/17 09:57	1
Fluoranthene	ND		6.7	0.55	ug/Kg		06/01/17 10:09	06/06/17 09:57	1
Fluorene	ND		6.7	0.53	ug/Kg		06/01/17 10:09	06/06/17 09:57	1
Indeno[1,2,3-cd]pyrene	ND		6.7	0.35	ug/Kg		06/01/17 10:09	06/06/17 09:57	1
Naphthalene	ND		6.7	0.82	ug/Kg		06/01/17 10:09	06/06/17 09:57	1
Phenanthrene	ND		6.7	0.73	ug/Kg		06/01/17 10:09	06/06/17 09:57	1
Pyrene	ND		6.7	0.44	ug/Kg		06/01/17 10:09	06/06/17 09:57	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*65*		*32 - 120*	*06/01/17 10:09*	*06/06/17 09:57*	*1*
2-Fluorophenol (Surr)	*49*		*29 - 120*	*06/01/17 10:09*	*06/06/17 09:57*	*1*
Nitrobenzene-d5 (Surr)	*46*		*30 - 120*	*06/01/17 10:09*	*06/06/17 09:57*	*1*
Phenol-d5 (Surr)	*53*		*29 - 120*	*06/01/17 10:09*	*06/06/17 09:57*	*1*
Terphenyl-d14 (Surr)	*52*		*41 - 120*	*06/01/17 10:09*	*06/06/17 09:57*	*1*
2,4,6-Tribromophenol (Surr)	*10*		*10 - 120*	*06/01/17 10:09*	*06/06/17 09:57*	*1*

Lab Sample ID: LCS 240-281185/23-A
Matrix: Solid
Analysis Batch: 281757

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 281185

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	667	449		ug/Kg		67	48 - 120
Acenaphthylene	667	428		ug/Kg		64	46 - 120
Anthracene	667	467		ug/Kg		70	51 - 120
Benzo[a]anthracene	667	466		ug/Kg		70	53 - 120
Benzo[a]pyrene	667	508		ug/Kg		76	50 - 120
Benzo[b]fluoranthene	667	544		ug/Kg		82	48 - 120
Benzo[g,h,i]perylene	667	515		ug/Kg		77	50 - 120
Benzo[k]fluoranthene	667	544		ug/Kg		82	51 - 120
Chrysene	667	463		ug/Kg		70	54 - 120
Dibenz(a,h)anthracene	667	528		ug/Kg		79	48 - 120
Fluoranthene	667	513		ug/Kg		77	53 - 120
Fluorene	667	444		ug/Kg		67	50 - 120
Indeno[1,2,3-cd]pyrene	667	512		ug/Kg		77	49 - 120
Naphthalene	667	442		ug/Kg		66	48 - 120
Phenanthrene	667	471		ug/Kg		71	52 - 120
Pyrene	667	575		ug/Kg		86	55 - 120

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

Lab Sample ID: LCS 240-281185/23-A
Matrix: Solid
Analysis Batch: 281757

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 281185

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*66*		*32 - 120*
2-Fluorophenol (Surr)	*62*		*29 - 120*
Nitrobenzene-d5 (Surr)	*65*		*30 - 120*
Phenol-d5 (Surr)	*67*		*29 - 120*
Terphenyl-d14 (Surr)	*70*		*41 - 120*
2,4,6-Tribromophenol (Surr)	*21*		*10 - 120*

Lab Sample ID: 240-80215-10 MS
Matrix: Solid
Analysis Batch: 282014

Client Sample ID: TS9 - CANAL_1
Prep Type: Total/NA
Prep Batch: 281185

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	ND		1030	804		ug/Kg	☼	78	36 - 120
Acenaphthylene	ND		1030	774		ug/Kg	☼	75	35 - 120
Anthracene	57	J	1030	797		ug/Kg	☼	72	42 - 120
Benzo[a]anthracene	220		1030	922		ug/Kg	☼	68	35 - 120
Benzo[a]pyrene	200		1030	884		ug/Kg	☼	67	33 - 120
Benzo[b]fluoranthene	340		1030	971		ug/Kg	☼	62	26 - 120
Benzo[g,h,i]perylene	180		1030	906		ug/Kg	☼	71	16 - 120
Benzo[k]fluoranthene	110		1030	828		ug/Kg	☼	70	33 - 120
Chrysene	250		1030	923		ug/Kg	☼	66	33 - 120
Dibenz(a,h)anthracene	ND		1030	796		ug/Kg	☼	78	30 - 120
Fluoranthene	500		1030	1080		ug/Kg	☼	56	26 - 121
Fluorene	ND		1030	809		ug/Kg	☼	79	36 - 120
Indeno[1,2,3-cd]pyrene	130		1030	844		ug/Kg	☼	69	24 - 120
Naphthalene	69	J	1030	804		ug/Kg	☼	72	29 - 120
Phenanthrene	190		1030	825		ug/Kg	☼	62	28 - 120
Pyrene	550		1030	1220		ug/Kg	☼	66	28 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*76*		*32 - 120*
2-Fluorophenol (Surr)	*76*		*29 - 120*
Nitrobenzene-d5 (Surr)	*76*		*30 - 120*
Phenol-d5 (Surr)	*80*		*29 - 120*
Terphenyl-d14 (Surr)	*72*		*41 - 120*
2,4,6-Tribromophenol (Surr)	*49*		*10 - 120*

Lab Sample ID: 240-80215-10 MSD
Matrix: Solid
Analysis Batch: 282014

Client Sample ID: TS9 - CANAL_1
Prep Type: Total/NA
Prep Batch: 281185

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	ND		1030	879		ug/Kg	☼	85	36 - 120	9	28
Acenaphthylene	ND		1030	876		ug/Kg	☼	85	35 - 120	12	26
Anthracene	57	J	1030	899		ug/Kg	☼	82	42 - 120	12	32
Benzo[a]anthracene	220		1030	1100		ug/Kg	☼	85	35 - 120	18	40
Benzo[a]pyrene	200		1030	1040		ug/Kg	☼	81	33 - 120	16	40
Benzo[b]fluoranthene	340		1030	1210		ug/Kg	☼	85	26 - 120	22	40

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

Lab Sample ID: 240-80215-10 MSD
Matrix: Solid
Analysis Batch: 282014

Client Sample ID: TS9 - CANAL_1
Prep Type: Total/NA
Prep Batch: 281185

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzo[g,h,i]perylene	180		1030	1060		ug/Kg	☼	85	16 - 120	15	40
Benzo[k]fluoranthene	110		1030	989		ug/Kg	☼	86	33 - 120	18	40
Chrysene	250		1030	1090		ug/Kg	☼	82	33 - 120	17	40
Dibenz(a,h)anthracene	ND		1030	875		ug/Kg	☼	85	30 - 120	9	40
Fluoranthene	500		1030	1320		ug/Kg	☼	80	26 - 121	21	40
Fluorene	ND		1030	894		ug/Kg	☼	87	36 - 120	10	28
Indeno[1,2,3-cd]pyrene	130		1030	978		ug/Kg	☼	82	24 - 120	15	40
Naphthalene	69	J	1030	935		ug/Kg	☼	84	29 - 120	15	34
Phenanthrene	190		1030	953		ug/Kg	☼	74	28 - 120	14	40
Pyrene	550		1030	1510		ug/Kg	☼	93	28 - 120	21	40

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*82*		*32 - 120*
2-Fluorophenol (Surr)	*78*		*29 - 120*
Nitrobenzene-d5 (Surr)	*83*		*30 - 120*
Phenol-d5 (Surr)	*85*		*29 - 120*
Terphenyl-d14 (Surr)	*78*		*41 - 120*
2,4,6-Tribromophenol (Surr)	*56*		*10 - 120*

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

Lab Sample ID: MB 240-281169/13-A
Matrix: Solid
Analysis Batch: 281480

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 281169

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50	24	ug/Kg		06/01/17 09:16	06/03/17 20:58	1
Aroclor-1221	ND		50	23	ug/Kg		06/01/17 09:16	06/03/17 20:58	1
Aroclor-1232	ND		50	16	ug/Kg		06/01/17 09:16	06/03/17 20:58	1
Aroclor-1242	ND		50	20	ug/Kg		06/01/17 09:16	06/03/17 20:58	1
Aroclor-1248	ND		50	17	ug/Kg		06/01/17 09:16	06/03/17 20:58	1
Aroclor-1254	ND		50	14	ug/Kg		06/01/17 09:16	06/03/17 20:58	1
Aroclor-1260	ND		50	18	ug/Kg		06/01/17 09:16	06/03/17 20:58	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*65*		*14 - 128*	*06/01/17 09:16*	*06/03/17 20:58*	*1*
DCB Decachlorobiphenyl	*71*		*10 - 132*	*06/01/17 09:16*	*06/03/17 20:58*	*1*

Lab Sample ID: LCS 240-281169/14-A
Matrix: Solid
Analysis Batch: 281480

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 281169

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Aroclor-1016			1000	537		ug/Kg		54	47 - 120		
Aroclor-1260			1000	557		ug/Kg		56	46 - 120		

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

Lab Sample ID: LCS 240-281169/14-A
Matrix: Solid
Analysis Batch: 281480

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 281169

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*66*		*14 - 128*
DCB Decachlorobiphenyl	*70*		*10 - 132*

Lab Sample ID: 240-80215-10 MS
Matrix: Solid
Analysis Batch: 281480

Client Sample ID: TS9 - CANAL_1
Prep Type: Total/NA
Prep Batch: 281169

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor-1016	ND		1620	730		ug/Kg	☼	45	31 - 120
Aroclor-1260	ND	F2	1620	857		ug/Kg	☼	53	21 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Tetrachloro-m-xylene	*75*		*14 - 128*
DCB Decachlorobiphenyl	*71*		*10 - 132*

Lab Sample ID: 240-80215-10 MSD
Matrix: Solid
Analysis Batch: 281480

Client Sample ID: TS9 - CANAL_1
Prep Type: Total/NA
Prep Batch: 281169

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor-1016	ND		1510	626		ug/Kg	☼	41	31 - 120	15	30
Aroclor-1260	ND	F2	1510	578	p F2	ug/Kg	☼	38	21 - 122	39	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*57*		*14 - 128*
DCB Decachlorobiphenyl	*51*	*p*	*10 - 132*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 240-281416/1-A
Matrix: Solid
Analysis Batch: 281715

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 281416

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		20	5.8	mg/Kg		06/02/17 13:04	06/05/17 17:13	1
Calcium	39.7	J	500	23	mg/Kg		06/02/17 13:04	06/05/17 17:13	1
Iron	ND		10	3.2	mg/Kg		06/02/17 13:04	06/05/17 17:13	1
Magnesium	6.60	J	500	5.2	mg/Kg		06/02/17 13:04	06/05/17 17:13	1
Potassium	7.05	J	500	6.2	mg/Kg		06/02/17 13:04	06/05/17 17:13	1
Selenium	ND		0.50	0.34	mg/Kg		06/02/17 13:04	06/05/17 17:13	1
Sodium	28.1	J	500	19	mg/Kg		06/02/17 13:04	06/05/17 17:13	1

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

Lab Sample ID: LCS 240-281416/2-A
Matrix: Solid
Analysis Batch: 281715

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 281416

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	200	200		mg/Kg		100	80 - 120
Calcium	5000	4910		mg/Kg		98	80 - 120
Iron	100	103		mg/Kg		103	80 - 120
Magnesium	5000	4930		mg/Kg		99	80 - 120
Potassium	5000	4800		mg/Kg		96	80 - 120
Selenium	200	194		mg/Kg		97	80 - 120
Sodium	5000	4820		mg/Kg		96	80 - 120

Lab Sample ID: 240-80215-1 MS
Matrix: Solid
Analysis Batch: 281715

Client Sample ID: TS1 - GRID B37
Prep Type: Total/NA
Prep Batch: 281416

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	1900		275	3440	4	mg/Kg	☼	544	75 - 125
Calcium	4700	B	6860	11500		mg/Kg	☼	100	75 - 125
Iron	9100		137	10200	4	mg/Kg	☼	796	75 - 125
Magnesium	820	B	6860	7360		mg/Kg	☼	95	75 - 125
Potassium	180	J B	6860	6590		mg/Kg	☼	93	75 - 125
Selenium	0.88		275	246		mg/Kg	☼	89	75 - 125
Sodium	140	J B	6860	6450		mg/Kg	☼	92	75 - 125

Lab Sample ID: 240-80215-1 MSD
Matrix: Solid
Analysis Batch: 281715

Client Sample ID: TS1 - GRID B37
Prep Type: Total/NA
Prep Batch: 281416

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	1900		275	3010	4	mg/Kg	☼	390	75 - 125	13	20
Calcium	4700	B	6860	11900		mg/Kg	☼	105	75 - 125	3	20
Iron	9100		137	9190	4	mg/Kg	☼	98	75 - 125	10	20
Magnesium	820	B	6860	7240		mg/Kg	☼	94	75 - 125	2	20
Potassium	180	J B	6860	6450		mg/Kg	☼	91	75 - 125	2	20
Selenium	0.88		275	245		mg/Kg	☼	89	75 - 125	0	20
Sodium	140	J B	6860	6350		mg/Kg	☼	91	75 - 125	1	20

Lab Sample ID: MB 240-281655/1-A
Matrix: Solid
Analysis Batch: 281956

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 281655

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		20	5.8	mg/Kg		06/05/17 11:27	06/06/17 17:40	1
Calcium	ND		500	23	mg/Kg		06/05/17 11:27	06/06/17 17:40	1
Iron	ND		10	3.2	mg/Kg		06/05/17 11:27	06/06/17 17:40	1
Magnesium	5.76	J	500	5.2	mg/Kg		06/05/17 11:27	06/06/17 17:40	1
Potassium	10.9	J	500	6.2	mg/Kg		06/05/17 11:27	06/06/17 17:40	1
Selenium	ND		0.50	0.34	mg/Kg		06/05/17 11:27	06/06/17 17:40	1
Sodium	22.2	J	500	19	mg/Kg		06/05/17 11:27	06/06/17 17:40	1

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

Lab Sample ID: LCS 240-281655/2-A
Matrix: Solid
Analysis Batch: 281956

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 281655

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	200	191		mg/Kg		96	80 - 120
Calcium	5000	4810		mg/Kg		96	80 - 120
Iron	100	99.6		mg/Kg		100	80 - 120
Magnesium	5000	4910		mg/Kg		98	80 - 120
Potassium	5000	4710		mg/Kg		94	80 - 120
Selenium	200	196		mg/Kg		98	80 - 120
Sodium	5000	4740		mg/Kg		95	80 - 120

Lab Sample ID: 240-80215-7 MS
Matrix: Solid
Analysis Batch: 281956

Client Sample ID: TS6 - GRID D55
Prep Type: Total/NA
Prep Batch: 281655

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	2300		247	4870	4	mg/Kg	☼	1021	75 - 125
Calcium	15000	F1	6170	18500	F1	mg/Kg	☼	62	75 - 125
Iron	13000		123	13400	4	mg/Kg	☼	246	75 - 125
Magnesium	5300	B F1	6170	9400	F1	mg/Kg	☼	66	75 - 125
Potassium	250	J B	6170	6150		mg/Kg	☼	96	75 - 125
Selenium	0.82		247	212		mg/Kg	☼	86	75 - 125
Sodium	120	J B	6170	6230		mg/Kg	☼	99	75 - 125

Lab Sample ID: 240-80215-7 MSD
Matrix: Solid
Analysis Batch: 281956

Client Sample ID: TS6 - GRID D55
Prep Type: Total/NA
Prep Batch: 281655

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	2300		247	4330	4	mg/Kg	☼	803	75 - 125	12	20
Calcium	15000	F1	6170	19300		mg/Kg	☼	75	75 - 125	4	20
Iron	13000		123	16300	4	mg/Kg	☼	2595	75 - 125	19	20
Magnesium	5300	B F1	6170	9090	F1	mg/Kg	☼	61	75 - 125	3	20
Potassium	250	J B	6170	5940		mg/Kg	☼	92	75 - 125	4	20
Selenium	0.82		247	212		mg/Kg	☼	85	75 - 125	0	20
Sodium	120	J B	6170	5790		mg/Kg	☼	92	75 - 125	7	20

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 240-281416/1-A ^2
Matrix: Solid
Analysis Batch: 281775

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 281416

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0550	J	1.0	0.026	mg/Kg		06/02/17 13:04	06/06/17 03:44	2
Barium	ND		1.0	0.22	mg/Kg		06/02/17 13:04	06/06/17 03:44	2
Cadmium	ND		0.20	0.0037	mg/Kg		06/02/17 13:04	06/06/17 03:44	2
Chromium	0.456		0.40	0.060	mg/Kg		06/02/17 13:04	06/06/17 03:44	2
Copper	0.238	J	0.40	0.097	mg/Kg		06/02/17 13:04	06/06/17 03:44	2
Manganese	0.236	J	1.0	0.12	mg/Kg		06/02/17 13:04	06/06/17 03:44	2
Nickel	0.136	J	0.40	0.039	mg/Kg		06/02/17 13:04	06/06/17 03:44	2

Method: 6020 - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 240-281416/1-A ^2
Matrix: Solid
Analysis Batch: 281775

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 281416

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Strontium	0.181	J	2.0	0.025	mg/Kg		06/02/17 13:04	06/06/17 03:44	2
Zinc	0.567	J	4.0	0.50	mg/Kg		06/02/17 13:04	06/06/17 03:44	2

Lab Sample ID: MB 240-281416/1-A ^2
Matrix: Solid
Analysis Batch: 281955

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 281416

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.158	J	0.20	0.045	mg/Kg		06/02/17 13:04	06/06/17 14:18	2

Lab Sample ID: LCS 240-281416/3-A ^2
Matrix: Solid
Analysis Batch: 281775

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 281416

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	100	97.2		mg/Kg		97	80 - 120
Barium	100	97.5		mg/Kg		97	80 - 120
Cadmium	100	92.0		mg/Kg		92	80 - 120
Chromium	100	100		mg/Kg		100	80 - 120
Copper	100	104		mg/Kg		104	80 - 120
Manganese	100	105		mg/Kg		105	80 - 120
Nickel	100	103		mg/Kg		103	80 - 120
Strontium	100	91.5		mg/Kg		92	80 - 120
Zinc	100	101		mg/Kg		101	80 - 120

Lab Sample ID: LCS 240-281416/3-A ^2
Matrix: Solid
Analysis Batch: 281955

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 281416

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	100	104		mg/Kg		104	80 - 120

Lab Sample ID: 240-80215-1 MS
Matrix: Solid
Analysis Batch: 281775

Client Sample ID: TS1 - GRID B37
Prep Type: Total/NA
Prep Batch: 281416

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	7.5		129	129		mg/Kg	☼	94	75 - 125
Barium	38		129	155		mg/Kg	☼	90	75 - 125
Cadmium	0.42		129	116		mg/Kg	☼	90	75 - 125
Chromium	4.7	B	129	130		mg/Kg	☼	97	75 - 125
Copper	29	B	129	159		mg/Kg	☼	101	75 - 125
Lead	70	B F1 F2	129	242	F1	mg/Kg	☼	134	75 - 125
Manganese	140	B	129	290		mg/Kg	☼	112	75 - 125
Nickel	6.9	B	129	134		mg/Kg	☼	99	75 - 125
Strontium	15	B	129	134		mg/Kg	☼	93	75 - 125
Zinc	400	B F1 F2	129	553		mg/Kg	☼	116	75 - 125

Method: 6020 - Metals (ICP/MS) (Continued)

Lab Sample ID: 240-80215-1 MSD
Matrix: Solid
Analysis Batch: 281775

Client Sample ID: TS1 - GRID B37
Prep Type: Total/NA
Prep Batch: 281416

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	7.5		129	129		mg/Kg	☼	95	75 - 125	0	20
Barium	38		129	166		mg/Kg	☼	99	75 - 125	7	20
Cadmium	0.42		129	116		mg/Kg	☼	90	75 - 125	0	20
Chromium	4.7	B	129	128		mg/Kg	☼	96	75 - 125	2	20
Copper	29	B	129	155		mg/Kg	☼	98	75 - 125	3	20
Lead	70	B F1 F2	129	186	F2	mg/Kg	☼	90	75 - 125	26	20
Manganese	140	B	129	303		mg/Kg	☼	123	75 - 125	5	20
Nickel	6.9	B	129	135		mg/Kg	☼	100	75 - 125	1	20
Strontium	15	B	129	133		mg/Kg	☼	92	75 - 125	1	20
Zinc	400	B F1 F2	129	987	F1 F2	mg/Kg	☼	453	75 - 125	56	20

Lab Sample ID: MB 240-281655/1-A ^2
Matrix: Solid
Analysis Batch: 282150

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 281655

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.0	0.026	mg/Kg		06/05/17 11:27	06/07/17 14:57	2
Barium	ND		1.0	0.22	mg/Kg		06/05/17 11:27	06/07/17 14:57	2
Cadmium	ND		0.20	0.0037	mg/Kg		06/05/17 11:27	06/07/17 14:57	2
Chromium	0.154	J	0.40	0.060	mg/Kg		06/05/17 11:27	06/07/17 14:57	2
Copper	0.190	J	0.40	0.097	mg/Kg		06/05/17 11:27	06/07/17 14:57	2
Lead	0.0558	J	0.20	0.045	mg/Kg		06/05/17 11:27	06/07/17 14:57	2
Manganese	ND		1.0	0.12	mg/Kg		06/05/17 11:27	06/07/17 14:57	2
Nickel	0.0492	J	0.40	0.039	mg/Kg		06/05/17 11:27	06/07/17 14:57	2
Strontium	0.0866	J	2.0	0.025	mg/Kg		06/05/17 11:27	06/07/17 14:57	2
Zinc	ND		4.0	0.50	mg/Kg		06/05/17 11:27	06/07/17 14:57	2

Lab Sample ID: LCS 240-281655/3-A ^2
Matrix: Solid
Analysis Batch: 282150

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 281655

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	100	85.8		mg/Kg		86	80 - 120
Barium	100	93.9		mg/Kg		94	80 - 120
Cadmium	100	93.8		mg/Kg		94	80 - 120
Chromium	100	98.2		mg/Kg		98	80 - 120
Copper	100	102		mg/Kg		102	80 - 120
Lead	100	101		mg/Kg		101	80 - 120
Manganese	100	98.6		mg/Kg		99	80 - 120
Nickel	100	103		mg/Kg		103	80 - 120
Strontium	100	90.1		mg/Kg		90	80 - 120
Zinc	100	91.8		mg/Kg		92	80 - 120

Lab Sample ID: 240-80215-7 MS
Matrix: Solid
Analysis Batch: 282150

Client Sample ID: TS6 - GRID D55
Prep Type: Total/NA
Prep Batch: 281655

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	4.9		120	105		mg/Kg	☼	83	75 - 125

Method: 6020 - Metals (ICP/MS) (Continued)

Lab Sample ID: 240-80215-7 MS
Matrix: Solid
Analysis Batch: 282150

Client Sample ID: TS6 - GRID D55
Prep Type: Total/NA
Prep Batch: 281655

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium	34	F2	120	140		mg/Kg	☼	88	75 - 125
Cadmium	0.31	F2	120	106		mg/Kg	☼	88	75 - 125
Chromium	7.3	F2 B	120	122		mg/Kg	☼	95	75 - 125
Copper	24	F2 B	120	132		mg/Kg	☼	90	75 - 125
Lead	60	F1 B	120	252	F1	mg/Kg	☼	159	75 - 125
Manganese	180	F2 F1	120	299		mg/Kg	☼	102	75 - 125
Nickel	7.3	F2 B	120	123		mg/Kg	☼	97	75 - 125
Zinc	120	F2 F1	120	218		mg/Kg	☼	84	75 - 125

Lab Sample ID: 240-80215-7 MS
Matrix: Solid
Analysis Batch: 282368

Client Sample ID: TS6 - GRID D55
Prep Type: Total/NA
Prep Batch: 281655

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Strontium	21	B	120	148		mg/Kg	☼	105	75 - 125

Lab Sample ID: 240-80215-7 MSD
Matrix: Solid
Analysis Batch: 282150

Client Sample ID: TS6 - GRID D55
Prep Type: Total/NA
Prep Batch: 281655

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	4.9		120	127		mg/Kg	☼	102	75 - 125	20	20
Barium	34	F2	120	182	F2	mg/Kg	☼	123	75 - 125	26	20
Cadmium	0.31	F2	120	130	F2	mg/Kg	☼	108	75 - 125	21	20
Chromium	7.3	F2 B	120	152	F2	mg/Kg	☼	121	75 - 125	22	20
Copper	24	F2 B	120	164	F2	mg/Kg	☼	116	75 - 125	21	20
Lead	60	F1 B	120	219	F1	mg/Kg	☼	132	75 - 125	14	20
Manganese	180	F2 F1	120	393	F1 F2	mg/Kg	☼	180	75 - 125	27	20
Nickel	7.3	F2 B	120	155	F2	mg/Kg	☼	123	75 - 125	23	20
Zinc	120	F2 F1	120	301	F1 F2	mg/Kg	☼	153	75 - 125	32	20

Lab Sample ID: 240-80215-7 MSD
Matrix: Solid
Analysis Batch: 282368

Client Sample ID: TS6 - GRID D55
Prep Type: Total/NA
Prep Batch: 281655

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Strontium	21	B	120	146		mg/Kg	☼	103	75 - 125	2	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 240-281443/1-A
Matrix: Solid
Analysis Batch: 281653

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 281443

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.10	0.018	mg/Kg		06/02/17 16:00	06/05/17 11:54	1

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

Lab Sample ID: LCS 240-281443/2-A
Matrix: Solid
Analysis Batch: 281653

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 281443

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.833	0.805		mg/Kg		97	80 - 120

Lab Sample ID: MB 240-281499/1-A
Matrix: Solid
Analysis Batch: 281653

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 281499

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.10	0.018	mg/Kg		06/03/17 12:00	06/05/17 12:35	1

Lab Sample ID: LCS 240-281499/2-A
Matrix: Solid
Analysis Batch: 281653

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 281499

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.833	0.718		mg/Kg		86	80 - 120

Lab Sample ID: MB 240-281823/1-A
Matrix: Solid
Analysis Batch: 282035

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 281823

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.10	0.018	mg/Kg		06/06/17 16:00	06/07/17 13:30	1

Lab Sample ID: LCS 240-281823/2-A
Matrix: Solid
Analysis Batch: 282035

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 281823

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.833	0.793		mg/Kg		95	80 - 120

Lab Sample ID: 240-80215-1 MS
Matrix: Solid
Analysis Batch: 282035

Client Sample ID: TS1 - GRID B37
Prep Type: Total/NA
Prep Batch: 281823

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.25	F1 F2	0.223	0.628	F1	mg/Kg	☼	169	80 - 120

Lab Sample ID: 240-80215-1 MSD
Matrix: Solid
Analysis Batch: 282035

Client Sample ID: TS1 - GRID B37
Prep Type: Total/NA
Prep Batch: 281823

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.25	F1 F2	0.223	0.380	F1 F2	mg/Kg	☼	57	80 - 120	49	20

Method: Lloyd Kahn - Organic Carbon, Total (TOC)

Lab Sample ID: MB 180-214009/3
Matrix: Solid
Analysis Batch: 214009

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Duplicates	ND		1000	750	mg/Kg			06/12/17 16:29	1

Lab Sample ID: LCS 180-214009/4
Matrix: Solid
Analysis Batch: 214009

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon - Duplicates	35000	26700		mg/Kg		76	75 - 125

Lab Sample ID: MB 180-214148/34
Matrix: Solid
Analysis Batch: 214148

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Duplicates	ND		1000	750	mg/Kg			06/13/17 18:54	1

Lab Sample ID: MB 180-214148/4
Matrix: Solid
Analysis Batch: 214148

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Duplicates	ND		1000	750	mg/Kg			06/13/17 14:04	1

Lab Sample ID: LCS 180-214148/35
Matrix: Solid
Analysis Batch: 214148

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon - Duplicates	35000	34900		mg/Kg		100	75 - 125

Lab Sample ID: LCS 180-214148/5
Matrix: Solid
Analysis Batch: 214148

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon - Duplicates	35000	33300		mg/Kg		95	75 - 125

Lab Sample ID: 240-80215-8 MS
Matrix: Solid
Analysis Batch: 214148

Client Sample ID: TS7 - GRID D48
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon - Duplicates	64000	H F1 F2	266000	406000	F1	mg/Kg	☼	129	75 - 125

Method: Lloyd Kahn - Organic Carbon, Total (TOC) (Continued)

Lab Sample ID: 240-80215-8 MSD
Matrix: Solid
Analysis Batch: 214148

Client Sample ID: TS7 - GRID D48
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Organic Carbon - Duplicates	25000	F2 F1	413000	523000	F2	mg/Kg	☼	121	75 - 125	25	20

Lab Sample ID: 240-80215-8 DU
Matrix: Solid
Analysis Batch: 214148

Client Sample ID: TS7 - GRID D48
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Organic Carbon - Duplicates	64000	H F1 F2	69300		mg/Kg	☼	8	20

Lab Sample ID: MB 180-214303/3
Matrix: Solid
Analysis Batch: 214303

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Duplicates	ND		1000	750	mg/Kg			06/14/17 15:13	1

Lab Sample ID: LCS 180-214303/4
Matrix: Solid
Analysis Batch: 214303

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon - Duplicates	35000	30900		mg/Kg		88	75 - 125

QC Association Summary

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron, Ohio

TestAmerica Job ID: 240-80215-1

GC/MS Semi VOA

Prep Batch: 281185

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80215-1	TS1 - GRID B37	Total/NA	Solid	3540C	
240-80215-2	TS2 - GRID C8 DUP A	Total/NA	Solid	3540C	
240-80215-3	TS2 - GRID C8 DUP B	Total/NA	Solid	3540C	
240-80215-4	TS3 - GRID B51	Total/NA	Solid	3540C	
240-80215-5	TS4 - GRID B61	Total/NA	Solid	3540C	
240-80215-6	TS5 - CANAL_2	Total/NA	Solid	3540C	
240-80215-7	TS6 - GRID D55	Total/NA	Solid	3540C	
240-80215-8	TS7 - GRID D48	Total/NA	Solid	3540C	
240-80215-9	TS8 - GRID D27	Total/NA	Solid	3540C	
240-80215-10	TS9 - CANAL_1	Total/NA	Solid	3540C	
MB 240-281185/22-A	Method Blank	Total/NA	Solid	3540C	
LCS 240-281185/23-A	Lab Control Sample	Total/NA	Solid	3540C	
240-80215-10 MS	TS9 - CANAL_1	Total/NA	Solid	3540C	
240-80215-10 MSD	TS9 - CANAL_1	Total/NA	Solid	3540C	

Analysis Batch: 281757

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 240-281185/22-A	Method Blank	Total/NA	Solid	8270C	281185
LCS 240-281185/23-A	Lab Control Sample	Total/NA	Solid	8270C	281185

Analysis Batch: 282014

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80215-1	TS1 - GRID B37	Total/NA	Solid	8270C	281185
240-80215-2	TS2 - GRID C8 DUP A	Total/NA	Solid	8270C	281185
240-80215-3	TS2 - GRID C8 DUP B	Total/NA	Solid	8270C	281185
240-80215-4	TS3 - GRID B51	Total/NA	Solid	8270C	281185
240-80215-5	TS4 - GRID B61	Total/NA	Solid	8270C	281185
240-80215-6	TS5 - CANAL_2	Total/NA	Solid	8270C	281185
240-80215-7	TS6 - GRID D55	Total/NA	Solid	8270C	281185
240-80215-8	TS7 - GRID D48	Total/NA	Solid	8270C	281185
240-80215-9	TS8 - GRID D27	Total/NA	Solid	8270C	281185
240-80215-10	TS9 - CANAL_1	Total/NA	Solid	8270C	281185
240-80215-10 MS	TS9 - CANAL_1	Total/NA	Solid	8270C	281185
240-80215-10 MSD	TS9 - CANAL_1	Total/NA	Solid	8270C	281185

GC Semi VOA

Prep Batch: 281169

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80215-1	TS1 - GRID B37	Total/NA	Solid	3540C	
240-80215-2	TS2 - GRID C8 DUP A	Total/NA	Solid	3540C	
240-80215-3	TS2 - GRID C8 DUP B	Total/NA	Solid	3540C	
240-80215-4	TS3 - GRID B51	Total/NA	Solid	3540C	
240-80215-5	TS4 - GRID B61	Total/NA	Solid	3540C	
240-80215-6	TS5 - CANAL_2	Total/NA	Solid	3540C	
240-80215-7	TS6 - GRID D55	Total/NA	Solid	3540C	
240-80215-8	TS7 - GRID D48	Total/NA	Solid	3540C	
240-80215-9	TS8 - GRID D27	Total/NA	Solid	3540C	
240-80215-10	TS9 - CANAL_1	Total/NA	Solid	3540C	
MB 240-281169/13-A	Method Blank	Total/NA	Solid	3540C	

GC Semi VOA (Continued)

Prep Batch: 281169 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 240-281169/14-A	Lab Control Sample	Total/NA	Solid	3540C	
240-80215-10 MS	TS9 - CANAL_1	Total/NA	Solid	3540C	
240-80215-10 MSD	TS9 - CANAL_1	Total/NA	Solid	3540C	

Analysis Batch: 281480

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80215-1	TS1 - GRID B37	Total/NA	Solid	8082	281169
240-80215-2	TS2 - GRID C8 DUP A	Total/NA	Solid	8082	281169
240-80215-3	TS2 - GRID C8 DUP B	Total/NA	Solid	8082	281169
240-80215-4	TS3 - GRID B51	Total/NA	Solid	8082	281169
240-80215-5	TS4 - GRID B61	Total/NA	Solid	8082	281169
240-80215-6	TS5 - CANAL_2	Total/NA	Solid	8082	281169
240-80215-7	TS6 - GRID D55	Total/NA	Solid	8082	281169
240-80215-8	TS7 - GRID D48	Total/NA	Solid	8082	281169
240-80215-9	TS8 - GRID D27	Total/NA	Solid	8082	281169
240-80215-10	TS9 - CANAL_1	Total/NA	Solid	8082	281169
MB 240-281169/13-A	Method Blank	Total/NA	Solid	8082	281169
LCS 240-281169/14-A	Lab Control Sample	Total/NA	Solid	8082	281169
240-80215-10 MS	TS9 - CANAL_1	Total/NA	Solid	8082	281169
240-80215-10 MSD	TS9 - CANAL_1	Total/NA	Solid	8082	281169

Metals

Prep Batch: 281416

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80215-1	TS1 - GRID B37	Total/NA	Solid	3050B	
240-80215-2	TS2 - GRID C8 DUP A	Total/NA	Solid	3050B	
240-80215-3	TS2 - GRID C8 DUP B	Total/NA	Solid	3050B	
240-80215-4	TS3 - GRID B51	Total/NA	Solid	3050B	
240-80215-5	TS4 - GRID B61	Total/NA	Solid	3050B	
240-80215-6	TS5 - CANAL_2	Total/NA	Solid	3050B	
MB 240-281416/1-A	Method Blank	Total/NA	Solid	3050B	
MB 240-281416/1-A ^2	Method Blank	Total/NA	Solid	3050B	
LCS 240-281416/2-A	Lab Control Sample	Total/NA	Solid	3050B	
LCS 240-281416/3-A ^2	Lab Control Sample	Total/NA	Solid	3050B	
240-80215-1 MS	TS1 - GRID B37	Total/NA	Solid	3050B	
240-80215-1 MS	TS1 - GRID B37	Total/NA	Solid	3050B	
240-80215-1 MSD	TS1 - GRID B37	Total/NA	Solid	3050B	
240-80215-1 MSD	TS1 - GRID B37	Total/NA	Solid	3050B	

Prep Batch: 281443

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80215-2	TS2 - GRID C8 DUP A	Total/NA	Solid	7471A	
240-80215-3	TS2 - GRID C8 DUP B	Total/NA	Solid	7471A	
240-80215-4	TS3 - GRID B51	Total/NA	Solid	7471A	
240-80215-5	TS4 - GRID B61	Total/NA	Solid	7471A	
240-80215-6	TS5 - CANAL_2	Total/NA	Solid	7471A	
MB 240-281443/1-A	Method Blank	Total/NA	Solid	7471A	
LCS 240-281443/2-A	Lab Control Sample	Total/NA	Solid	7471A	

Metals (Continued)

Prep Batch: 281499

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80215-7	TS6 - GRID D55	Total/NA	Solid	7471A	
240-80215-8	TS7 - GRID D48	Total/NA	Solid	7471A	
240-80215-9	TS8 - GRID D27	Total/NA	Solid	7471A	
240-80215-10	TS9 - CANAL_1	Total/NA	Solid	7471A	
MB 240-281499/1-A	Method Blank	Total/NA	Solid	7471A	
LCS 240-281499/2-A	Lab Control Sample	Total/NA	Solid	7471A	

Analysis Batch: 281653

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80215-2	TS2 - GRID C8 DUP A	Total/NA	Solid	7471A	281443
240-80215-3	TS2 - GRID C8 DUP B	Total/NA	Solid	7471A	281443
240-80215-4	TS3 - GRID B51	Total/NA	Solid	7471A	281443
240-80215-5	TS4 - GRID B61	Total/NA	Solid	7471A	281443
240-80215-6	TS5 - CANAL_2	Total/NA	Solid	7471A	281443
240-80215-7	TS6 - GRID D55	Total/NA	Solid	7471A	281499
240-80215-8	TS7 - GRID D48	Total/NA	Solid	7471A	281499
240-80215-9	TS8 - GRID D27	Total/NA	Solid	7471A	281499
240-80215-10	TS9 - CANAL_1	Total/NA	Solid	7471A	281499
MB 240-281443/1-A	Method Blank	Total/NA	Solid	7471A	281443
MB 240-281499/1-A	Method Blank	Total/NA	Solid	7471A	281499
LCS 240-281443/2-A	Lab Control Sample	Total/NA	Solid	7471A	281443
LCS 240-281499/2-A	Lab Control Sample	Total/NA	Solid	7471A	281499

Prep Batch: 281655

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80215-7	TS6 - GRID D55	Total/NA	Solid	3050B	
240-80215-8	TS7 - GRID D48	Total/NA	Solid	3050B	
240-80215-9	TS8 - GRID D27	Total/NA	Solid	3050B	
240-80215-10	TS9 - CANAL_1	Total/NA	Solid	3050B	
MB 240-281655/1-A	Method Blank	Total/NA	Solid	3050B	
MB 240-281655/1-A ^2	Method Blank	Total/NA	Solid	3050B	
LCS 240-281655/2-A	Lab Control Sample	Total/NA	Solid	3050B	
LCS 240-281655/3-A ^2	Lab Control Sample	Total/NA	Solid	3050B	
240-80215-7 MS	TS6 - GRID D55	Total/NA	Solid	3050B	
240-80215-7 MS	TS6 - GRID D55	Total/NA	Solid	3050B	
240-80215-7 MSD	TS6 - GRID D55	Total/NA	Solid	3050B	
240-80215-7 MSD	TS6 - GRID D55	Total/NA	Solid	3050B	

Analysis Batch: 281715

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80215-1	TS1 - GRID B37	Total/NA	Solid	6010B	281416
240-80215-2	TS2 - GRID C8 DUP A	Total/NA	Solid	6010B	281416
240-80215-3	TS2 - GRID C8 DUP B	Total/NA	Solid	6010B	281416
240-80215-4	TS3 - GRID B51	Total/NA	Solid	6010B	281416
240-80215-5	TS4 - GRID B61	Total/NA	Solid	6010B	281416
240-80215-6	TS5 - CANAL_2	Total/NA	Solid	6010B	281416
MB 240-281416/1-A	Method Blank	Total/NA	Solid	6010B	281416
LCS 240-281416/2-A	Lab Control Sample	Total/NA	Solid	6010B	281416
240-80215-1 MS	TS1 - GRID B37	Total/NA	Solid	6010B	281416
240-80215-1 MSD	TS1 - GRID B37	Total/NA	Solid	6010B	281416

Metals (Continued)

Analysis Batch: 281775

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80215-1	TS1 - GRID B37	Total/NA	Solid	6020	281416
240-80215-2	TS2 - GRID C8 DUP A	Total/NA	Solid	6020	281416
240-80215-3	TS2 - GRID C8 DUP B	Total/NA	Solid	6020	281416
240-80215-4	TS3 - GRID B51	Total/NA	Solid	6020	281416
240-80215-5	TS4 - GRID B61	Total/NA	Solid	6020	281416
240-80215-6	TS5 - CANAL_2	Total/NA	Solid	6020	281416
MB 240-281416/1-A ^2	Method Blank	Total/NA	Solid	6020	281416
LCS 240-281416/3-A ^2	Lab Control Sample	Total/NA	Solid	6020	281416
240-80215-1 MS	TS1 - GRID B37	Total/NA	Solid	6020	281416
240-80215-1 MSD	TS1 - GRID B37	Total/NA	Solid	6020	281416

Prep Batch: 281823

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80215-1	TS1 - GRID B37	Total/NA	Solid	7471A	
MB 240-281823/1-A	Method Blank	Total/NA	Solid	7471A	
LCS 240-281823/2-A	Lab Control Sample	Total/NA	Solid	7471A	
240-80215-1 MS	TS1 - GRID B37	Total/NA	Solid	7471A	
240-80215-1 MSD	TS1 - GRID B37	Total/NA	Solid	7471A	

Analysis Batch: 281955

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 240-281416/1-A ^2	Method Blank	Total/NA	Solid	6020	281416
LCS 240-281416/3-A ^2	Lab Control Sample	Total/NA	Solid	6020	281416

Analysis Batch: 281956

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80215-7	TS6 - GRID D55	Total/NA	Solid	6010B	281655
240-80215-8	TS7 - GRID D48	Total/NA	Solid	6010B	281655
240-80215-9	TS8 - GRID D27	Total/NA	Solid	6010B	281655
240-80215-10	TS9 - CANAL_1	Total/NA	Solid	6010B	281655
MB 240-281655/1-A	Method Blank	Total/NA	Solid	6010B	281655
LCS 240-281655/2-A	Lab Control Sample	Total/NA	Solid	6010B	281655
240-80215-7 MS	TS6 - GRID D55	Total/NA	Solid	6010B	281655
240-80215-7 MSD	TS6 - GRID D55	Total/NA	Solid	6010B	281655

Analysis Batch: 282035

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80215-1	TS1 - GRID B37	Total/NA	Solid	7471A	281823
MB 240-281823/1-A	Method Blank	Total/NA	Solid	7471A	281823
LCS 240-281823/2-A	Lab Control Sample	Total/NA	Solid	7471A	281823
240-80215-1 MS	TS1 - GRID B37	Total/NA	Solid	7471A	281823
240-80215-1 MSD	TS1 - GRID B37	Total/NA	Solid	7471A	281823

Analysis Batch: 282150

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80215-7	TS6 - GRID D55	Total/NA	Solid	6020	281655
240-80215-8	TS7 - GRID D48	Total/NA	Solid	6020	281655
240-80215-9	TS8 - GRID D27	Total/NA	Solid	6020	281655
240-80215-10	TS9 - CANAL_1	Total/NA	Solid	6020	281655
MB 240-281655/1-A ^2	Method Blank	Total/NA	Solid	6020	281655
LCS 240-281655/3-A ^2	Lab Control Sample	Total/NA	Solid	6020	281655

Metals (Continued)

Analysis Batch: 282150 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80215-7 MS	TS6 - GRID D55	Total/NA	Solid	6020	281655
240-80215-7 MSD	TS6 - GRID D55	Total/NA	Solid	6020	281655

Analysis Batch: 282368

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80215-7	TS6 - GRID D55	Total/NA	Solid	6020	281655
240-80215-8	TS7 - GRID D48	Total/NA	Solid	6020	281655
240-80215-9	TS8 - GRID D27	Total/NA	Solid	6020	281655
240-80215-10	TS9 - CANAL_1	Total/NA	Solid	6020	281655
240-80215-7 MS	TS6 - GRID D55	Total/NA	Solid	6020	281655
240-80215-7 MSD	TS6 - GRID D55	Total/NA	Solid	6020	281655

General Chemistry

Analysis Batch: 214009

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80215-1	TS1 - GRID B37	Total/NA	Solid	Lloyd Kahn	
MB 180-214009/3	Method Blank	Total/NA	Solid	Lloyd Kahn	
LCS 180-214009/4	Lab Control Sample	Total/NA	Solid	Lloyd Kahn	

Analysis Batch: 214148

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80215-2	TS2 - GRID C8 DUP A	Total/NA	Solid	Lloyd Kahn	
240-80215-3	TS2 - GRID C8 DUP B	Total/NA	Solid	Lloyd Kahn	
240-80215-4	TS3 - GRID B51	Total/NA	Solid	Lloyd Kahn	
240-80215-5	TS4 - GRID B61	Total/NA	Solid	Lloyd Kahn	
240-80215-6	TS5 - CANAL_2	Total/NA	Solid	Lloyd Kahn	
240-80215-7	TS6 - GRID D55	Total/NA	Solid	Lloyd Kahn	
240-80215-10	TS9 - CANAL_1	Total/NA	Solid	Lloyd Kahn	
MB 180-214148/34	Method Blank	Total/NA	Solid	Lloyd Kahn	
MB 180-214148/4	Method Blank	Total/NA	Solid	Lloyd Kahn	
LCS 180-214148/35	Lab Control Sample	Total/NA	Solid	Lloyd Kahn	
LCS 180-214148/5	Lab Control Sample	Total/NA	Solid	Lloyd Kahn	
240-80215-8 MS	TS7 - GRID D48	Total/NA	Solid	Lloyd Kahn	
240-80215-8 MSD	TS7 - GRID D48	Total/NA	Solid	Lloyd Kahn	
240-80215-8 DU	TS7 - GRID D48	Total/NA	Solid	Lloyd Kahn	

Analysis Batch: 214303

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80215-8	TS7 - GRID D48	Total/NA	Solid	Lloyd Kahn	
240-80215-9	TS8 - GRID D27	Total/NA	Solid	Lloyd Kahn	
MB 180-214303/3	Method Blank	Total/NA	Solid	Lloyd Kahn	
LCS 180-214303/4	Lab Control Sample	Total/NA	Solid	Lloyd Kahn	

Analysis Batch: 281150

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80215-1	TS1 - GRID B37	Total/NA	Solid	Moisture	
240-80215-2	TS2 - GRID C8 DUP A	Total/NA	Solid	Moisture	
240-80215-3	TS2 - GRID C8 DUP B	Total/NA	Solid	Moisture	
240-80215-4	TS3 - GRID B51	Total/NA	Solid	Moisture	

General Chemistry (Continued)

Analysis Batch: 281150 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80215-5	TS4 - GRID B61	Total/NA	Solid	Moisture	
240-80215-6	TS5 - CANAL_2	Total/NA	Solid	Moisture	
240-80215-7	TS6 - GRID D55	Total/NA	Solid	Moisture	
240-80215-8	TS7 - GRID D48	Total/NA	Solid	Moisture	
240-80215-9	TS8 - GRID D27	Total/NA	Solid	Moisture	
240-80215-10	TS9 - CANAL_1	Total/NA	Solid	Moisture	

Geotechnical

Analysis Batch: 117387

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80215-1	TS1 - GRID B37	Total/NA	Solid	D422	
240-80215-2	TS2 - GRID C8 DUP A	Total/NA	Solid	D422	
240-80215-3	TS2 - GRID C8 DUP B	Total/NA	Solid	D422	
240-80215-4	TS3 - GRID B51	Total/NA	Solid	D422	
240-80215-5	TS4 - GRID B61	Total/NA	Solid	D422	
240-80215-6	TS5 - CANAL_2	Total/NA	Solid	D422	
240-80215-7	TS6 - GRID D55	Total/NA	Solid	D422	
240-80215-8	TS7 - GRID D48	Total/NA	Solid	D422	
240-80215-9	TS8 - GRID D27	Total/NA	Solid	D422	
240-80215-10	TS9 - CANAL_1	Total/NA	Solid	D422	

Lab Chronicle

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron, Ohio

TestAmerica Job ID: 240-80215-1

Client Sample ID: TS1 - GRID B37
Date Collected: 05/30/17 10:28
Date Received: 05/31/17 12:00

Lab Sample ID: 240-80215-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	281150	06/01/17 08:15	PW	TAL CAN
Total/NA	Analysis	D422		1	117387	06/02/17 15:00	MAP	TAL BUR

Client Sample ID: TS1 - GRID B37
Date Collected: 05/30/17 10:28
Date Received: 05/31/17 12:00

Lab Sample ID: 240-80215-1
Matrix: Solid
Percent Solids: 68.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			281185	06/01/17 10:09	JT	TAL CAN
Total/NA	Analysis	8270C		4	282014	06/07/17 20:20	JMG	TAL CAN
Total/NA	Prep	3540C			281169	06/01/17 09:16	DT	TAL CAN
Total/NA	Analysis	8082		1	281480	06/03/17 15:06	SEM	TAL CAN
Total/NA	Prep	3050B			281416	06/02/17 13:04	DEE	TAL CAN
Total/NA	Analysis	6010B		1	281715	06/05/17 17:22	KLC	TAL CAN
Total/NA	Prep	3050B			281416	06/02/17 13:04	DEE	TAL CAN
Total/NA	Analysis	6020		2	281775	06/06/17 03:52	AS1	TAL CAN
Total/NA	Prep	7471A			281823	06/06/17 16:00	DEE	TAL CAN
Total/NA	Analysis	7471A		1	282035	06/07/17 13:33	DTN	TAL CAN
Total/NA	Analysis	Lloyd Kahn		1	214009	06/12/17 17:50	JBF	TAL PIT

Client Sample ID: TS2 - GRID C8 DUP A
Date Collected: 05/30/17 11:55
Date Received: 05/31/17 12:00

Lab Sample ID: 240-80215-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	281150	06/01/17 08:15	PW	TAL CAN
Total/NA	Analysis	D422		1	117387	06/02/17 15:02	MAP	TAL BUR

Client Sample ID: TS2 - GRID C8 DUP A
Date Collected: 05/30/17 11:55
Date Received: 05/31/17 12:00

Lab Sample ID: 240-80215-2
Matrix: Solid
Percent Solids: 28.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			281185	06/01/17 10:09	JT	TAL CAN
Total/NA	Analysis	8270C		12.5	282014	06/07/17 18:28	JMG	TAL CAN
Total/NA	Prep	3540C			281169	06/01/17 09:16	DT	TAL CAN
Total/NA	Analysis	8082		1	281480	06/03/17 15:25	SEM	TAL CAN
Total/NA	Prep	3050B			281416	06/02/17 13:04	DEE	TAL CAN
Total/NA	Analysis	6010B		1	281715	06/05/17 18:50	KLC	TAL CAN
Total/NA	Prep	3050B			281416	06/02/17 13:04	DEE	TAL CAN
Total/NA	Analysis	6020		2	281775	06/06/17 04:22	AS1	TAL CAN
Total/NA	Prep	7471A			281443	06/02/17 16:00	DEE	TAL CAN

Client Sample ID: TS2 - GRID C8 DUP A
Lab Sample ID: 240-80215-2
Date Collected: 05/30/17 11:55
Matrix: Solid
Date Received: 05/31/17 12:00
Percent Solids: 28.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	7471A		1	281653	06/05/17 12:05	DTN	TAL CAN
Total/NA	Analysis	Lloyd Kahn		1	214148	06/13/17 17:33	JBF	TAL PIT

Client Sample ID: TS2 - GRID C8 DUP B
Lab Sample ID: 240-80215-3
Date Collected: 05/30/17 11:55
Matrix: Solid
Date Received: 05/31/17 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	281150	06/01/17 08:15	PW	TAL CAN
Total/NA	Analysis	D422		1	117387	06/02/17 15:04	MAP	TAL BUR

Client Sample ID: TS2 - GRID C8 DUP B
Lab Sample ID: 240-80215-3
Date Collected: 05/30/17 11:55
Matrix: Solid
Date Received: 05/31/17 12:00
Percent Solids: 29.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			281185	06/01/17 10:09	JT	TAL CAN
Total/NA	Analysis	8270C		12.5	282014	06/07/17 18:05	JMG	TAL CAN
Total/NA	Prep	3540C			281169	06/01/17 09:16	DT	TAL CAN
Total/NA	Analysis	8082		1	281480	06/03/17 15:45	SEM	TAL CAN
Total/NA	Prep	3050B			281416	06/02/17 13:04	DEE	TAL CAN
Total/NA	Analysis	6010B		1	281715	06/05/17 18:54	KLC	TAL CAN
Total/NA	Prep	3050B			281416	06/02/17 13:04	DEE	TAL CAN
Total/NA	Analysis	6020		2	281775	06/06/17 04:26	AS1	TAL CAN
Total/NA	Prep	7471A			281443	06/02/17 16:00	DEE	TAL CAN
Total/NA	Analysis	7471A		1	281653	06/05/17 12:07	DTN	TAL CAN
Total/NA	Analysis	Lloyd Kahn		1	214148	06/13/17 17:43	JBF	TAL PIT

Client Sample ID: TS3 - GRID B51
Lab Sample ID: 240-80215-4
Date Collected: 05/30/17 13:58
Matrix: Solid
Date Received: 05/31/17 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	281150	06/01/17 08:15	PW	TAL CAN
Total/NA	Analysis	D422		1	117387	06/02/17 15:06	MAP	TAL BUR

Client Sample ID: TS3 - GRID B51
Lab Sample ID: 240-80215-4
Date Collected: 05/30/17 13:58
Matrix: Solid
Date Received: 05/31/17 12:00
Percent Solids: 64.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			281185	06/01/17 10:09	JT	TAL CAN

Client Sample ID: TS3 - GRID B51

Lab Sample ID: 240-80215-4

Date Collected: 05/30/17 13:58
Matrix: Solid
Date Received: 05/31/17 12:00
Percent Solids: 64.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8270C		1	282014	06/07/17 19:58	JMG	TAL CAN
Total/NA	Prep	3540C			281169	06/01/17 09:16	DT	TAL CAN
Total/NA	Analysis	8082		1	281480	06/03/17 16:04	SEM	TAL CAN
Total/NA	Prep	3050B			281416	06/02/17 13:04	DEE	TAL CAN
Total/NA	Analysis	6010B		1	281715	06/05/17 18:59	KLC	TAL CAN
Total/NA	Prep	3050B			281416	06/02/17 13:04	DEE	TAL CAN
Total/NA	Analysis	6020		2	281775	06/06/17 04:30	AS1	TAL CAN
Total/NA	Prep	7471A			281443	06/02/17 16:00	DEE	TAL CAN
Total/NA	Analysis	7471A		1	281653	06/05/17 12:09	DTN	TAL CAN
Total/NA	Analysis	Lloyd Kahn		1	214148	06/13/17 17:53	JBF	TAL PIT

Client Sample ID: TS4 - GRID B61

Lab Sample ID: 240-80215-5

Date Collected: 05/30/17 15:00
Matrix: Solid
Date Received: 05/31/17 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	281150	06/01/17 08:15	PW	TAL CAN
Total/NA	Analysis	D422		1	117387	06/02/17 15:09	MAP	TAL BUR

Client Sample ID: TS4 - GRID B61

Lab Sample ID: 240-80215-5

Date Collected: 05/30/17 15:00
Matrix: Solid
Date Received: 05/31/17 12:00
Percent Solids: 38.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			281185	06/01/17 10:09	JT	TAL CAN
Total/NA	Analysis	8270C		20	282014	06/07/17 18:50	JMG	TAL CAN
Total/NA	Prep	3540C			281169	06/01/17 09:16	DT	TAL CAN
Total/NA	Analysis	8082		1	281480	06/03/17 16:24	SEM	TAL CAN
Total/NA	Prep	3050B			281416	06/02/17 13:04	DEE	TAL CAN
Total/NA	Analysis	6010B		1	281715	06/05/17 19:03	KLC	TAL CAN
Total/NA	Prep	3050B			281416	06/02/17 13:04	DEE	TAL CAN
Total/NA	Analysis	6020		2	281775	06/06/17 04:34	AS1	TAL CAN
Total/NA	Prep	7471A			281443	06/02/17 16:00	DEE	TAL CAN
Total/NA	Analysis	7471A		1	281653	06/05/17 12:11	DTN	TAL CAN
Total/NA	Analysis	Lloyd Kahn		1	214148	06/13/17 18:03	JBF	TAL PIT

Client Sample ID: TS5 - CANAL_2

Lab Sample ID: 240-80215-6

Date Collected: 05/30/17 15:40
Matrix: Solid
Date Received: 05/31/17 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	281150	06/01/17 08:15	PW	TAL CAN

Client Sample ID: TS5 - CANAL_2

Lab Sample ID: 240-80215-6

Date Collected: 05/30/17 15:40

Matrix: Solid

Date Received: 05/31/17 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D422		1	117387	06/02/17 16:32	MAP	TAL BUR

Client Sample ID: TS5 - CANAL_2

Lab Sample ID: 240-80215-6

Date Collected: 05/30/17 15:40

Matrix: Solid

Date Received: 05/31/17 12:00

Percent Solids: 35.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			281185	06/01/17 10:09	JT	TAL CAN
Total/NA	Analysis	8270C		4	282014	06/07/17 20:43	JMG	TAL CAN
Total/NA	Prep	3540C			281169	06/01/17 09:16	DT	TAL CAN
Total/NA	Analysis	8082		1	281480	06/03/17 16:43	SEM	TAL CAN
Total/NA	Prep	3050B			281416	06/02/17 13:04	DEE	TAL CAN
Total/NA	Analysis	6010B		1	281715	06/05/17 19:07	KLC	TAL CAN
Total/NA	Prep	3050B			281416	06/02/17 13:04	DEE	TAL CAN
Total/NA	Analysis	6020		2	281775	06/06/17 04:39	AS1	TAL CAN
Total/NA	Prep	7471A			281443	06/02/17 16:00	DEE	TAL CAN
Total/NA	Analysis	7471A		1	281653	06/05/17 12:13	DTN	TAL CAN
Total/NA	Analysis	Lloyd Kahn		1	214148	06/13/17 18:24	JBF	TAL PIT

Client Sample ID: TS6 - GRID D55

Lab Sample ID: 240-80215-7

Date Collected: 05/30/17 16:30

Matrix: Solid

Date Received: 05/31/17 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	281150	06/01/17 08:15	PW	TAL CAN
Total/NA	Analysis	D422		1	117387	06/02/17 16:34	MAP	TAL BUR

Client Sample ID: TS6 - GRID D55

Lab Sample ID: 240-80215-7

Date Collected: 05/30/17 16:30

Matrix: Solid

Date Received: 05/31/17 12:00

Percent Solids: 73.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			281185	06/01/17 10:09	JT	TAL CAN
Total/NA	Analysis	8270C		2	282014	06/07/17 19:13	JMG	TAL CAN
Total/NA	Prep	3540C			281169	06/01/17 09:16	DT	TAL CAN
Total/NA	Analysis	8082		1	281480	06/03/17 17:03	SEM	TAL CAN
Total/NA	Prep	3050B			281655	06/05/17 11:27	DEE	TAL CAN
Total/NA	Analysis	6010B		1	281956	06/06/17 17:48	RKT	TAL CAN
Total/NA	Prep	3050B			281655	06/05/17 11:27	DEE	TAL CAN
Total/NA	Analysis	6020		2	282150	06/07/17 23:15	AS1	TAL CAN
Total/NA	Prep	3050B			281655	06/05/17 11:27	DEE	TAL CAN
Total/NA	Analysis	6020		2	282368	06/08/17 13:00	DSH	TAL CAN
Total/NA	Prep	7471A			281499	06/03/17 12:00	DTN	TAL CAN

Client Sample ID: TS6 - GRID D55

Lab Sample ID: 240-80215-7
Date Collected: 05/30/17 16:30
Matrix: Solid
Date Received: 05/31/17 12:00
Percent Solids: 73.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	7471A		1	281653	06/05/17 12:52	DTN	TAL CAN
Total/NA	Analysis	Lloyd Kahn		1	214148	06/13/17 18:34	JBF	TAL PIT

Client Sample ID: TS7 - GRID D48

Lab Sample ID: 240-80215-8
Date Collected: 05/30/17 17:10
Matrix: Solid
Date Received: 05/31/17 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	281150	06/01/17 08:15	PW	TAL CAN
Total/NA	Analysis	D422		1	117387	06/02/17 16:35	MAP	TAL BUR

Client Sample ID: TS7 - GRID D48

Lab Sample ID: 240-80215-8
Date Collected: 05/30/17 17:10
Matrix: Solid
Date Received: 05/31/17 12:00
Percent Solids: 63.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			281185	06/01/17 10:09	JT	TAL CAN
Total/NA	Analysis	8270C		2	282014	06/07/17 19:35	JMG	TAL CAN
Total/NA	Prep	3540C			281169	06/01/17 09:16	DT	TAL CAN
Total/NA	Analysis	8082		1	281480	06/03/17 17:23	SEM	TAL CAN
Total/NA	Prep	3050B			281655	06/05/17 11:27	DEE	TAL CAN
Total/NA	Analysis	6010B		1	281956	06/06/17 18:17	RKT	TAL CAN
Total/NA	Prep	3050B			281655	06/05/17 11:27	DEE	TAL CAN
Total/NA	Analysis	6020		2	282150	06/07/17 23:27	AS1	TAL CAN
Total/NA	Prep	3050B			281655	06/05/17 11:27	DEE	TAL CAN
Total/NA	Analysis	6020		2	282368	06/08/17 13:21	DSH	TAL CAN
Total/NA	Prep	7471A			281499	06/03/17 12:00	DTN	TAL CAN
Total/NA	Analysis	7471A		1	281653	06/05/17 12:54	DTN	TAL CAN
Total/NA	Analysis	Lloyd Kahn		1	214303	06/14/17 15:33	JBF	TAL PIT

Client Sample ID: TS8 - GRID D27

Lab Sample ID: 240-80215-9
Date Collected: 05/30/17 17:50
Matrix: Solid
Date Received: 05/31/17 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	281150	06/01/17 08:15	PW	TAL CAN
Total/NA	Analysis	D422		1	117387	06/02/17 16:38	MAP	TAL BUR

Client Sample ID: TS8 - GRID D27

Lab Sample ID: 240-80215-9
Date Collected: 05/30/17 17:50
Matrix: Solid
Date Received: 05/31/17 12:00
Percent Solids: 58.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			281185	06/01/17 10:09	JT	TAL CAN
Total/NA	Analysis	8270C		10	282014	06/07/17 17:43	JMG	TAL CAN
Total/NA	Prep	3540C			281169	06/01/17 09:16	DT	TAL CAN
Total/NA	Analysis	8082		1	281480	06/03/17 17:42	SEM	TAL CAN
Total/NA	Prep	3050B			281655	06/05/17 11:27	DEE	TAL CAN
Total/NA	Analysis	6010B		1	281956	06/06/17 18:21	RKT	TAL CAN
Total/NA	Prep	3050B			281655	06/05/17 11:27	DEE	TAL CAN
Total/NA	Analysis	6020		2	282150	06/07/17 23:31	AS1	TAL CAN
Total/NA	Prep	3050B			281655	06/05/17 11:27	DEE	TAL CAN
Total/NA	Analysis	6020		2	282368	06/08/17 13:25	DSH	TAL CAN
Total/NA	Prep	7471A			281499	06/03/17 12:00	DTN	TAL CAN
Total/NA	Analysis	7471A		1	281653	06/05/17 12:56	DTN	TAL CAN
Total/NA	Analysis	Lloyd Kahn		1	214303	06/14/17 15:43	JBF	TAL PIT

Client Sample ID: TS9 - CANAL_1

Lab Sample ID: 240-80215-10
Date Collected: 05/30/17 18:30
Matrix: Solid
Date Received: 05/31/17 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	281150	06/01/17 08:15	PW	TAL CAN
Total/NA	Analysis	D422		1	117387	06/02/17 16:39	MAP	TAL BUR

Client Sample ID: TS9 - CANAL_1

Lab Sample ID: 240-80215-10
Date Collected: 05/30/17 18:30
Matrix: Solid
Date Received: 05/31/17 12:00
Percent Solids: 64.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			281185	06/01/17 10:09	JT	TAL CAN
Total/NA	Analysis	8270C		10	282014	06/07/17 16:36	JMG	TAL CAN
Total/NA	Prep	3540C			281169	06/01/17 09:16	DT	TAL CAN
Total/NA	Analysis	8082		1	281480	06/03/17 18:02	SEM	TAL CAN
Total/NA	Prep	3050B			281655	06/05/17 11:27	DEE	TAL CAN
Total/NA	Analysis	6010B		1	281956	06/06/17 18:25	RKT	TAL CAN
Total/NA	Prep	3050B			281655	06/05/17 11:27	DEE	TAL CAN
Total/NA	Analysis	6020		2	282150	06/07/17 23:36	AS1	TAL CAN
Total/NA	Prep	3050B			281655	06/05/17 11:27	DEE	TAL CAN
Total/NA	Analysis	6020		2	282368	06/08/17 13:29	DSH	TAL CAN
Total/NA	Prep	7471A			281499	06/03/17 12:00	DTN	TAL CAN
Total/NA	Analysis	7471A		1	281653	06/05/17 12:58	DTN	TAL CAN
Total/NA	Analysis	Lloyd Kahn		1	214148	06/13/17 19:14	JBF	TAL PIT

Lab Chronicle

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron, Ohio

TestAmerica Job ID: 240-80215-1

Laboratory References:

TAL BUR = TestAmerica Burlington, 30 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Accreditation/Certification Summary

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron, Ohio

TestAmerica Job ID: 240-80215-1

Laboratory: TestAmerica Canton

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

Authority	Program	EPA Region	Identification Number	Expiration Date
Ohio VAP	State Program	5	CL0024	09-14-17 *

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

Analysis Method	Prep Method	Matrix	Analyte
6010B	3050B	Solid	Magnesium
6020	3050B	Solid	Strontium
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Laboratory: TestAmerica Burlington

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

Authority	Program	EPA Region	Identification Number	Expiration Date
Connecticut	State Program	1	PH-0751	09-30-17 *
DE Haz. Subst. Cleanup Act (HSCA)	State Program	3	NA	02-02-18
Florida	NELAP	4	E87467	06-30-18
L-A-B	DoD ELAP		L2336	02-25-20
Maine	State Program	1	VT00008	04-17-19
Minnesota	NELAP	5	050-999-436	12-31-17
New Hampshire	NELAP	1	2006	12-18-17
New Jersey	NELAP	2	VT972	06-30-18
New York	NELAP	2	10391	04-01-18
Pennsylvania	NELAP	3	68-00489	04-30-18
Rhode Island	State Program	1	LAO00298	12-30-17
US Fish & Wildlife	Federal		LE-058448-0	10-31-17
USDA	Federal		P330-11-00093	12-05-19
Vermont	State Program	1	VT-4000	12-31-17
Virginia	NELAP	3	460209	12-14-17

Laboratory: TestAmerica Pittsburgh

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

Authority	Program	EPA Region	Identification Number	Expiration Date
Arkansas DEQ	State Program	6	88-0690	06-27-18
California	State Program	9	2891	03-31-18
Connecticut	State Program	1	PH-0688	09-30-18
Florida	NELAP	4	E871008	06-30-18
Illinois	NELAP	5	200005	06-30-18
Kansas	NELAP	7	E-10350	01-31-18
Louisiana	NELAP	6	04041	06-30-18
New Hampshire	NELAP	1	2030	04-04-18
New Jersey	NELAP	2	PA005	06-30-18
New York	NELAP	2	11182	03-31-18
North Carolina (WW/SW)	State Program	4	434	12-31-17
Pennsylvania	NELAP	3	02-00416	04-30-18
South Carolina	State Program	4	89014	04-30-18
Texas	NELAP	6	T104704528-15-2	03-31-18
US Fish & Wildlife	Federal		LE94312A-1	10-31-17
USDA	Federal		P330-16-00211	06-26-19
Utah	NELAP	8	PA001462015-4	05-31-18
Virginia	NELAP	3	460189	09-14-17

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Accreditation/Certification Summary

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron, Ohio

TestAmerica Job ID: 240-80215-1

Laboratory: TestAmerica Pittsburgh (Continued)

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

Authority	Program	EPA Region	Identification Number	Expiration Date
West Virginia DEP	State Program	3	142	01-31-18
Wisconsin	State Program	5	998027800	08-31-17

TestAmerica Canton
4101 Shuffel Street, N. W.

North Canton, OH 44720
phone 330.497.9396 *fax* 330.497.0772

Chain of Custody Record

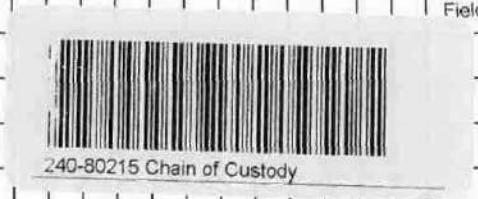
TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☑ Other: **Ohio VAP**

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Paul Anderson	Site Contact: Paul Anderson	Date: 5/31/17	COC No: ES SL 001
EnviroScience, Inc.	Tel/Fax: (330) 608-5424	Lab Contact: Amy McCormick	Carrier: Hand Delivery	1 of 1 COCs
5070 Stow Rd.	Analysis Turnaround Time			Sampler: P. Anderson, A Valigosky
Stow, OH 44242	☐ CALENDAR DAYS ☑ WORKING DAYS			For Lab Use Only:
(330) 688-0111 Phone	TAT if different from Below _____			Walk-in Client:
(330) 688-3858 FAX	☑ 2 weeks			Lab Sampling:
Project Name: Summit Lake Water Quality	☐ 1 week			
Site: Summit Lake, Akron, Ohio	☐ 2 days			Job / SDG No.:
P O #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	Lloyd Kahn: TOC	Grain Size	8270C(PAH only)	6010B, 6020, 7471A, 8082, Moisture	Sample Specific Notes:
TS1 - Grid B37	5/30/2017	10:28	C	SED	4			1	1	1	1	8270C: PAH only
TS2 - Grid C8 Dup A	5/30/2017	11:55	C	SED	4			1	1	1	1	Field Duplicate; 8270C: PAH only
TS2 - Grid C8 Dup B	5/30/2017	11:55	C	SED	4			1	1	1	1	Field Duplicate; 8270C: PAH only
TS3 - Grid B51	5/30/2017	13:58	C	SED	4			1	1	1	1	8270C: PAH only
TS4 - Grid B61	5/30/2017	15:00	C	SED	4			1	1	1	1	8270C: PAH only
TS5 - Canal_2	5/30/2017	15:40	C	SED	4			1	1	1	1	8270C: PAH only
TS6 - Grid D55	5/30/2017	16:30	C	SED	4			1	1	1	1	8270C: PAH only
TS7 - Grid D48	5/30/2017	17:10	C	SED	4			1	1	1	1	8270C: PAH only
TS8 - Grid D27	5/30/2017	17:50	C	SED	4			1	1	1	1	8270C: PAH only
TS9 - Canal_1	5/30/2017	18:30	C	SED	4			1	1	1	1	8270C: PAH only
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other Zero Headspace, ICE								1	1	1	1	



Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments: **Quote ID: 24017439** **SEDIMENT - TARGETED SITES**

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ | Therm ID No.:_____

Relinquished by:	Company: ES	Date/Time: 5/31/17 0855	Received by:	Company: TA	Date/Time: 5-31-17 1200
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

8/11/2017

TestAmerica Canton Sample Receipt Form/Narrative **Login # : 80215**
Canton Facility

Client Enviroscience Site Name _____ Cooler unpacked by:

Cooler Received on 5-31-17 Opened on 5-31-17

FedEx: 1st Grd Exp UPS FAS Clipper Client Drop Off TestAmerica Courier Other _____

Receipt After-hours: Drop-off Date/Time _____ Storage Location _____

TestAmerica Cooler # _____ Foam Box Client Cooler Box Other _____

Packing material used: Bubble Wrap Foam Plastic Bag None Other _____

COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt ☑ See Multiple Cooler Form
   IR GUN# IR-8 (CF **-0.4** °C) Observed Cooler Temp._____°C Corrected Cooler Temp._____°C
   IR GUN #36 (CF **+0**°C) Observed Cooler Temp._____°C Corrected Cooler Temp._____°C
2. Were custody seals on the outside of the cooler(s)? If Yes Quantity_____ Yes No
   -Were custody seals on the outside of the cooler(s) signed & dated? Yes No NA
   -Were custody seals on the bottle(s) or bottle kits (LLHg/MeHg)? Yes No
3. Shippers' packing slip attached to the cooler(s)? Yes No
4. Did custody papers accompany the sample(s)? Yes No
5. Were the custody papers relinquished & signed in the appropriate place? Yes No
6. Was/were the person(s) who collected the samples clearly identified on the COC? Yes No
7. Did all bottles arrive in good condition (Unbroken)? Yes No
8. Could all bottle labels be reconciled with the COC? Yes No
9. Were correct bottle(s) used for the test(s) indicated? Yes No
10. Sufficient quantity received to perform indicated analyses? Yes No
11. Are these work share samples? Yes No
    If yes, Questions 11-15 have been checked at the originating laboratory.
11. Were sample(s) at the correct pH upon receipt? Yes No NA pH Strip Lot# **HC697954**
12. Were VOAs on the COC? Yes No
13. Were air bubbles >6 mm in any VOA vials? ● ⬅ Larger than this. Yes No NA
14. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot #_____ Yes No
15. Was a LL Hg or Me Hg trip blank present? _____ Yes No

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

16. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES Samples processed by:

17. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.
Sample(s) _____ were received in a broken container.
Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

18. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory.
Time preserved: _____ Preservative(s) added/Lot number(s):_____

TestAmerica Multiple Cooler Receipt Form/Narrative
Canton Facility

Login # : 80215

Cooler #	IR Gun #	Observed Temp °C	Corrected Temp °C	Coolant
client	36	4.7	4.9	Ice
2	1	5.6	5.6	2

TestAmerica Canton
4101 Shuffel Street NW
North Canton, OH 44720
Phone (330) 497-9396 Fax (330) 497-0772

Chain of Custody F

240-80215 Chain of Custody

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: McCormick, Amy		COC No: 240-71614.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: amy.mccormick@t...	State of Origin: Ohio	Page: Page 1 of 2
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State Program - Ohio VAP		Job #: 240-80215-1
Address: 301 Alpha Drive, RIDC Park,	Due Date Requested: 6/12/2017			
City: Pittsburgh	TAT Requested (days):			
State, Zip: PA, 15238				
Phone: 412-963-7058(Tel) 412-963-2468(Fax)	PO #:			
Email:	WO #:			
Project Name: OVAP Summit Lake Water Quality	Project #: 24018233			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Lloyd_Kahn_Mod (MOD) Organic Carbon, Total (TOC)	Total Number of containers	Special Instructions/Note:
		Preservation Code:							
TS1-GRID B37 (240-80215-1)	5/30/17	10:28 Eastern		Solid			X	1	
TS2-GRID C8 DUP A (240-80215-2)	5/30/17	11:55 Eastern		Solid			X	1	
TS2-GRID C8 DUP B (240-80215-3)	5/30/17	11:55 Eastern		Solid			X	1	
TS3-GRID B51 (240-80215-4)	5/30/17	13:58 Eastern		Solid			X	1	
TS4-GRID B61 (240-80215-5)	5/30/17	15:00 Eastern		Solid			X	1	
TS5-CANAL_2 (240-80215-6)	5/30/17	15:40 Eastern		Solid			X	1	
TS6-GRID D55 (240-80215-7)	5/30/17	16:30 Eastern		Solid			X	1	
TS7-GRID D48 (240-80215-8)	5/30/17	17:10 Eastern		Solid			X	1	
TS8-GRID D27 (240-80215-9)	5/30/17	17:50 Eastern		Solid			X	1	

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to TestAmerica Laboratories, Inc.

Possible Hazard Identification Unconfirmed	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by:	Date/Time: 5-31-17 1636	Company: CAC	Received by: D Watson	Date/Time: 6-1-17 950-850	Company: TAL
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:

TestAmerica Canton
4101 Shuffel Street NW
North Canton, OH 44720
Phone (330) 497-9396 Fax (330) 497-0772

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: McCormick, Amy L	Carrier Tracking No(s):	COC No: 240-71614.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: amy.mccormick@testamericainc.com	State of Origin: Ohio	Page: Page 2 of 2
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State Program - Ohio VAP		Job #: 240-80215-1
Address: 301 Alpha Drive, RIDC Park,	Due Date Requested: 6/12/2017	Analysis Requested		Preservation Codes: A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify), Other:
City: Pittsburgh	TAT Requested (days):			
State, Zip: PA, 15238	PO #:			
Phone: 412-963-7058(Tel) 412-963-2468(Fax)	WO #:			
Email:	Project #: 24018233			
Project Name: OVAP Summit Lake Water Quality	SSOW#:			
Site:				

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (w=water, s=solid, o=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Lloyd_Kahn_Mod (MOD) Organic Carbon, Total (TOC)	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X		X	
TS9-CANAL_1 (240-80215-10)	5/30/17	18:30 Eastern		Solid			X	1	

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody.

Possible Hazard Identification: Unconfirmed	**Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)**: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:
Empty Kit Relinquished by:	Date: Time: Method of Shipment:

	Date/Time		Company		Date/Time		Company
Relinquished by:	5-31-17	1630	240	Received by: P Watson	6-1-17	950	TAP
Relinquished by:	Date/Time:		Company	Received by:	Date/Time:		Company
Relinquished by:	Date/Time:		Company	Received by:	Date/Time:		Company

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

TestAmerica Canton
4101 Shuffel Street NW
North Canton, OH 44720
Phone (330) 497-9396 Fax (330) 497-0772

Chain of Custody Record

240-80215 Chain of Custody

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: McCormick, Amy L	COC No: 240-71613.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: amy.mccormick@testamericainc.com	State of Origin: Ohio	Page: Page 1 of 2
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State Program - Ohio VAP	Job #: 240-80215-1
Address: 30 Community Drive, Suite 11,	Due Date Requested: 6/12/2017		
City: South Burlington	TAT Requested (days):		
State, Zip: VT, 05403			
Phone: 802-660-1990(Tel) 802-660-1919(Fax)	PO #:		
Email:	WO #:		
Project Name: OVAP Summit Lake Water Quality	Project #: 24018233		
Site:	SSOW#:		

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)		D422/ Grain Size (Sieve and Hydrometer)	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
TS1-GRID B37 (240-80215-1)	5/30/17	10:28 Eastern		Solid			X	1	
TS2-GRID C8 DUP A (240-80215-2)	5/30/17	11:55 Eastern		Solid			X	1	
TS2-GRID C8 DUP B (240-80215-3)	5/30/17	11:55 Eastern		Solid			X	1	
TS3-GRID B51 (240-80215-4)	5/30/17	13:58 Eastern		Solid			X	1	
TS4-GRID B61 (240-80215-5)	5/30/17	15:00 Eastern		Solid			X	1	
TS5-CANAL_2 (240-80215-6)	5/30/17	15:40 Eastern		Solid			X	1	
TS6-GRID D55 (240-80215-7)	5/30/17	16:30 Eastern		Solid			X	1	
TS7-GRID D48 (240-80215-8)	5/30/17	17:10 Eastern		Solid			X	1	
TS8-GRID D27 (240-80215-9)	5/30/17	17:50 Eastern		Solid			X	1	

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to TestAmerica Laboratories, Inc.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 5-31-17 1600	Company TAL	Received by:	Date/Time: 6/1/17 1030	Company TAL
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

TestAmerica Canton
4101 Shuffel Street NW
North Canton, OH 44720
Phone (330) 497-9396 Fax (330) 497-0772

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: McCormick, Amy L	Carrier Tracking No(s):	COC No: 240-71613.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: amy.mccormick@testamericainc.com	State of Origin: Ohio	Page: Page 2 of 2
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State Program - Ohio VAP		Job #: 240-80215-1
Address: 30 Community Drive, Suite 11,	Due Date Requested: 6/12/2017			
City: South Burlington	TAT Requested (days):			
State, Zip: VT, 05403				
Phone: 802-660-1990(Tel) 802-660-1919(Fax)	PO #:			
Email:	WO #:			
Project Name: OVAP Summit Lake Water Quality	Project #: 24018233			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=wastetoil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	D422/ Grain Size (Sieve and Hydrometer)	Total Number of containers	Special Instructions/Note:
			Preservation Code:					
TS9-CANAL_1 (240-80215-10)	5/30/17	18:30 Eastern		Solid		X	1	

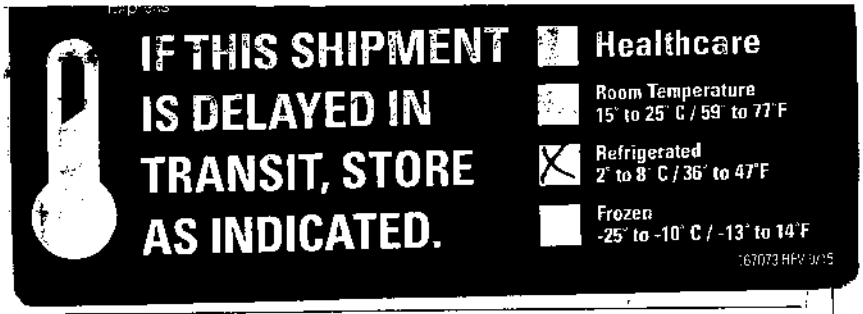
Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		5-31-17 1600	240		6/1/17 1030	TABUR
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:



ORIGIN ID:PHDA (330) 966-9677
AL HAIDET
TESTAMERICA
4101 SHUFFEL DR

NORTH CANTON, OH 44720
UNITED STATES US

SHIP DATE: 31MAY17
ACTWGT: 42.80 LB
CAD: 507102/CAFE3011

BILL RECIPIENT

TO ENVIRONMENTAL SAMPLE RECEIPT
TESTAMERICA BURLINGTON
30 COMMUNITY DRIVE

SOUTH BURLINGTON VT 05403
(802) 660-1990
DEPT: AL HAIDET

REF: S240-43173

FedEx Express

THU - 01 JUN 3:00P
STANDARD OVERNIGHT

TRK# 0201 7259 7287 1354

NA BTVA

05403
VT-US BTV

Login Sample Receipt Checklist

Client: EnviroScience Inc

Job Number: 240-80215-1

Login Number: 80215
List Number: 2
Creator: Hahl, Victoria L

List Source: TestAmerica Burlington
List Creation: 06/01/17 01:26 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	Not present
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.7ºC
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	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.

Login Sample Receipt Checklist

Client: EnviroScience Inc

Job Number: 240-80215-1

Login Number: 80215
List Number: 3
Creator: Watson, Debbie

List Source: TestAmerica Pittsburgh
List Creation: 06/01/17 03:02 PM

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

Page Intentionally Blank

Appendix E. TestAmerica Laboratory Analytical Report 240-80352-1 (Rev 1)

Page Intentionally Blank

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Canton
4101 Shuffel Street NW
North Canton, OH 44720
Tel: (330)497-9396

TestAmerica Job ID: 240-80352-1
Client Project/Site: Summit Lake, Akron Ohio
Revision: 1

For:
EnviroScience Inc
5070 Stow Rd.
Stow, Ohio 44224

Attn: Paul Anderson

Amy McCormick

Authorized for release by:
8/11/2017 11:42:55 AM

Amy McCormick, Project Manager II
(330)966-9787
amy.mccormick@testamericainc.com

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.

Table of Contents

Cover Page 1
Table of Contents 2
Definitions/Glossary 3
Case Narrative 5
Method Summary 13
Sample Summary 14
Detection Summary 15
Client Sample Results 35
Surrogate Summary 129
QC Sample Results 134
QC Association Summary 182
Lab Chronicle 195
Certification Summary 211
Chain of Custody 213
Receipt Checklists 223

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
*	ISTD response or retention time outside acceptable limits
X	Surrogate is outside control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
F2	MS/MSD RPD exceeds control limits
F1	MS and/or MSD Recovery is outside acceptance limits.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
X	Surrogate is outside control limits
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.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
F1	MS and/or MSD Recovery is outside acceptance 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.

General Chemistry

Qualifier	Qualifier Description
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.
F1	MS and/or MSD Recovery is outside acceptance limits.
F3	Duplicate RPD exceeds the control limit
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Geotechnical

Qualifier	Qualifier Description
F3	Duplicate RPD exceeds the control limit

Qualifier	Qualifier Description
*	ISTD response or retention time outside acceptable limits
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
X	Surrogate is outside control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
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 (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 240-80352-1

Laboratory: TestAmerica Canton

Narrative

CASE NARRATIVE
REVISED

Client: EnviroScience Inc

Project: Summit Lake, Akron Ohio

Report Number: 240-80352-1

Report has been revised to provide a corrected case narrative.

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

The following analyses were performed at the TestAmerica Pittsburgh Laboratory: 6010C ICP; 7470A Mercury; 9034 Acid Volatile Sulfides; Lloyd Kahn Total Organic Carbon; Percent Solids for samples 14-25; Simultaneously Extracted Metals.

The following analysis was performed at the TestAmerica Burlington Laboratory: D422 Grain Size.

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

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

TestAmerica utilizes USEPA approved methods, where applicable, in all analytical work. The samples presented in this report were analyzed for the parameter(s) listed on the analytical methods summary page in accordance with the method(s) indicated and were analyzed in accordance with Ohio Voluntary Action Program protocols, where applicable. The following requested analytes, parameter groups or methods analyzed and contained in this report are not certified by the laboratory: Simultaneously Extracted Metals by 6010C (samples 14-25); Strontium by 6020 (samples 2-11, 13); Mercury by 7470A (samples 14-25); Acid Volatile Sulfides by 9034 (samples 14-25); Grain Size by D422 (samples 2-13); Total Organic Carbon by Lloyd Kahn Method (samples 2-11, 13).

A summary of QC data for these analyses is included at the back of the report.

TestAmerica Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the applicable methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 6/2/2017 12:50 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 3 coolers at receipt time were 1.7º C, 2.0º C and 4.2º C.

VOLATILE ORGANIC COMPOUNDS (GCMS)

Job ID: 240-80352-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

Sample TRIP BLANK (240-80352-1) was analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260B. The sample was analyzed on 06/15/2017.

The laboratory control sample (LCS) associated with samples TRIP BLANK (240-80352-1) and (LCS 240-283237/4) in batch 283237 recovered outside control limits for Trichlorofluoromethane. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data has been reported.

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

VOLATILE ORGANIC COMPOUNDS (GC/MS)

Samples SAMPLE SS1 - GRID A50 (240-80352-2), SAMPLE SS2 - GRID A27 (240-80352-3), SAMPLE SS3 - GRID A13 (240-80352-4), SAMPLE SS4 - GRID D77 (240-80352-5), SAMPLE SS5 - GRID B65 (240-80352-6), SAMPLE SS6 - GRID B65 (240-80352-7), SAMPLE SS7 - GRID B12 (240-80352-8), SAMPLE SS8 - GRID B5 (240-80352-9), SAMPLE SS9 - GRID C17 (240-80352-10), SAMPLE SS10 - GRID C52 (240-80352-11) and SAMPLE SS11 - GRID C75 (240-80352-13) were analyzed for Volatile organic compounds (GC/MS) in accordance with EPA SW-846 Method 8260A. The samples were prepared and analyzed on 06/06/2017 and 06/07/2017.

Samples SAMPLE SS9 - GRID C17 (240-80352-10) and SAMPLE SS10 - GRID C52 (240-80352-11) were reanalyzed at a dilution due to internal standard recoveries outside of acceptance limits per Ohio requirements. Only compounds associated with internal standards that met criteria are reported from each analysis.

4-Bromofluorobenzene (Surr) and 4-Bromofluorobenzene (Surr) failed the surrogate recovery criteria high for SAMPLE SS2 - GRID A27 (240-80352-3).

Surrogate recovery for samples SAMPLE SS2 - GRID A27 (240-80352-3), SAMPLE SS4 - GRID D77 (240-80352-5) and SAMPLE SS9 - GRID C17 (240-80352-10) were outside control limits. Re-extraction and/or re-analysis was performed with concurring results; therefore, the original analysis has been reported.

4-Bromofluorobenzene (Surr) failed the surrogate recovery criteria high for SAMPLE SS9 - GRID C17 (240-80352-10), SAMPLE SS4 - GRID D77 (240-80352-5), SAMPLE SS1 - GRID A50MS (240-80352-2MS), and SAMPLE SS10 - GRID C52MSD (240-80352-11MSD).

1,2,4-Trichlorobenzene and Methylene Chloride were detected in method blank MB 240-281810/6 at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

1,2,4-Trichlorobenzene and Methylene Chloride were detected in method blank MB 240-281989/6 at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Methylene Chloride was detected in method blank MB 240-282021/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Methylene Chloride and Methylene Chloride failed the recovery criteria low for the MS of sample SAMPLE SS10 - GRID C52MS (240-80352-11) in batch 240-281989.

Several analytes failed the recovery criteria high for the MSD of sample SAMPLE SS10 - GRID C52MSD (240-80352-11) in batch 240-281989. Several analytes exceeded the RPD limit.

Surrogate recovery for sample (240-80352-C-11-E MSD) was outside control limits. Evidence of matrix interference was present; therefore, re-extraction and/or re-analysis was not performed.

Internal standard (ISTD) response for samples SAMPLE SS1 - GRID A50 (240-80352-2[MS]), SAMPLE SS2 - GRID A27 (240-80352-3), SAMPLE SS4 - GRID D77 (240-80352-5) and SAMPLE SS9 - GRID C17 (240-80352-10) were outside control limits. The samples were re-extracted and/or re-analyzed with concurring results; therefore, the original set of data has been reported.

Job ID: 240-80352-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

Internal standard (ISTD) response for samples SAMPLE SS10 - GRID C52 (240-80352-11), (240-80352-C-11-D MS) and (240-80352-C-11-E MSD) was outside control limits. The samples were re-extracted and/or re-analyzed with concurring results. Both sets of data have been reported.

Sample SAMPLE SS2 - GRID A27 (240-80352-3) was reanalyzed at a dilution due to internal standard recoveries outside of acceptance limits per Ohio requirements. Only compounds associated with internal standards that met criteria are reported from each analysis.

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

VOLATILE ORGANIC COMPOUNDS (GCMS)

Samples SAMPLE SS2 - GRID A27 (240-80352-3) and SAMPLE SS4 - GRID D77 (240-80352-5) were analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260A. The samples were analyzed on 06/07/2017.

4-Bromofluorobenzene (Surr) and Toluene-d8 (Surr) failed the surrogate recovery criteria low for SAMPLE SS2 - GRID A27 (240-80352-3), SAMPLE SS4 - GRID D77 (240-80352-5), SAMPLE SS2 - GRID A27MS (240-80352-3MS), and SAMPLE SS2 - GRID A27MSD (240-80352-3MSD).

Methylene Chloride was detected in method blank MB 240-281652/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

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

SEMIVOLATILE ORGANIC COMPOUNDS (GCMS)

Samples SAMPLE SS1 - GRID A50 (240-80352-2), SAMPLE SS2 - GRID A27 (240-80352-3), SAMPLE SS3 - GRID A13 (240-80352-4), SAMPLE SS4 - GRID D77 (240-80352-5), SAMPLE SS5 - GRID B65 (240-80352-6), SAMPLE SS6 - GRID B65 (240-80352-7), SAMPLE SS7 - GRID B12 (240-80352-8), SAMPLE SS8 - GRID B5 (240-80352-9), SAMPLE SS9 - GRID C17 (240-80352-10), SAMPLE SS10 - GRID C52 (240-80352-11) and SAMPLE SS11 - GRID C75 (240-80352-13) were analyzed for semivolatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 06/05/2017 and 06/06/2017 and analyzed on 06/07/2017 and 06/08/2017.

Surrogates are added during the extraction process prior to dilution. When the sample is diluted, surrogate recoveries are diluted out and no corrective action is required.

Samples SAMPLE SS1 - GRID A50 (240-80352-2), SAMPLE SS1 - GRID A50 (240-80352-2[DU]), SAMPLE SS2 - GRID A27 (240-80352-3), SAMPLE SS4 - GRID D77 (240-80352-5), SAMPLE SS5 - GRID B65 (240-80352-6), SAMPLE SS9 - GRID C17 (240-80352-10) and SAMPLE SS10 - GRID C52 (240-80352-11) were diluted due to the nature of the sample matrix. Elevated reporting limits (RLs) have been provided.

Bis(2-ethylhexyl) phthalate was detected in method blank MB 240-281609/23-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Dibenzofuran exceeded the RPD limit for the duplicate of sample SAMPLE SS1 - GRID A50DU (240-80352-2).

Several analytes failed the recovery criteria low for the MS and MSD of sample SAMPLE SS1 - GRID A50 (240-80352-2) in batch 240-282121. Di-n-octyl phthalate failed the recovery criteria high.

Hexachlorocyclopentadiene and Hexachloroethane failed the recovery criteria low for the MS of sample SAMPLE SS11 - GRID C75MS (240-80352-13) in batch 240-281929.

Hexachlorocyclopentadiene and Hexachloroethane failed the recovery criteria low for the MSD of sample SAMPLE SS11 - GRID C75MSD (240-80352-13) in batch 240-281929. Several analytes exceeded the RPD limit.

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

Job ID: 240-80352-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

DIESEL RANGE ORGANICS (DRO)

Samples SAMPLE SS1 - GRID A50 (240-80352-2), SAMPLE SS2 - GRID A27 (240-80352-3), SAMPLE SS3 - GRID A13 (240-80352-4), SAMPLE SS4 - GRID D77 (240-80352-5), SAMPLE SS5 - GRID B65 (240-80352-6), SAMPLE SS6 - GRID B65 (240-80352-7), SAMPLE SS7 - GRID B12 (240-80352-8), SAMPLE SS8 - GRID B5 (240-80352-9), SAMPLE SS9 - GRID C17 (240-80352-10), SAMPLE SS10 - GRID C52 (240-80352-11) and SAMPLE SS11 - GRID C75 (240-80352-13) were analyzed for diesel range organics (DRO) in accordance with EPA SW-846 Method 8015B - DRO. The samples were prepared on 06/09/2017 and analyzed on 06/13/2017 and 06/14/2017.

Surrogates are added during the extraction process prior to dilution. When the sample dilution is 5X or greater, surrogate recoveries are diluted out and no corrective action is required.

Samples SAMPLE SS1 - GRID A50 (240-80352-2)[5X], SAMPLE SS2 - GRID A27 (240-80352-3)[10X], SAMPLE SS3 - GRID A13 (240-80352-4)[2X], SAMPLE SS4 - GRID D77 (240-80352-5)[10X], SAMPLE SS5 - GRID B65 (240-80352-6)[5X], SAMPLE SS6 - GRID B65 (240-80352-7)[5X], SAMPLE SS7 - GRID B12 (240-80352-8)[5X] and SAMPLE SS9 - GRID C17 (240-80352-10)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

o-Terphenyl (Surr) failed the surrogate recovery criteria low for SAMPLE SS11 - GRID C75 (240-80352-13), SAMPLE SS5 - GRID B65 (240-80352-6), and SAMPLE SS1 - GRID A50MS (240-80352-2MS). Refer to the QC report for details.

Diesel Range Organics [C10 - C28] failed the recovery criteria low for the MS and MSD of sample SAMPLE SS1 - GRID A50 (240-80352-2) in batch 240-282786.

Surrogate recovery for sample SAMPLE SS11 - GRID C75 (240-80352-13) was outside control limits. The entire prep batch was re-extracted since multiple samples of the same job had failing surrogates. The associated sample had failing surrogates on both extractions. The re-extracted sample has been reported.

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

CHLORINATED PESTICIDES

Samples SAMPLE SS1 - GRID A50 (240-80352-2), SAMPLE SS2 - GRID A27 (240-80352-3), SAMPLE SS3 - GRID A13 (240-80352-4), SAMPLE SS4 - GRID D77 (240-80352-5), SAMPLE SS5 - GRID B65 (240-80352-6), SAMPLE SS6 - GRID B65 (240-80352-7), SAMPLE SS7 - GRID B12 (240-80352-8), SAMPLE SS8 - GRID B5 (240-80352-9), SAMPLE SS9 - GRID C17 (240-80352-10), SAMPLE SS10 - GRID C52 (240-80352-11) and SAMPLE SS11 - GRID C75 (240-80352-13) were analyzed for chlorinated pesticides in accordance with EPA SW-846 Method 8081A. The samples were prepared on 06/06/2017 and analyzed on 06/09/2017 and 06/12/2017.

Surrogates are added during the extraction process prior to dilution. When the sample dilution is 5X or greater, surrogate recoveries are diluted out and no corrective action is required.

Samples SAMPLE SS1 - GRID A50 (240-80352-2), SAMPLE SS1 - GRID A50 (240-80352-2[MS]), SAMPLE SS1 - GRID A50 (240-80352-2[MSD]), SAMPLE SS2 - GRID A27 (240-80352-3), SAMPLE SS3 - GRID A13 (240-80352-4), SAMPLE SS4 - GRID D77 (240-80352-5), SAMPLE SS5 - GRID B65 (240-80352-6), SAMPLE SS6 - GRID B65 (240-80352-7), SAMPLE SS7 - GRID B12 (240-80352-8), SAMPLE SS8 - GRID B5 (240-80352-9), SAMPLE SS9 - GRID C17 (240-80352-10), SAMPLE SS10 - GRID C52 (240-80352-11) and SAMPLE SS11 - GRID C75 (240-80352-13) were diluted due to the nature of the sample matrix. As such, surrogate recoveries may be below the calibration range and elevated reporting limits (RLs) have been provided.

Samples SAMPLE SS1 - GRID A50 (240-80352-2), SAMPLE SS1 - GRID A50 (240-80352-2[MS]), SAMPLE SS1 - GRID A50 (240-80352-2[MSD]), SAMPLE SS2 - GRID A27 (240-80352-3), SAMPLE SS4 - GRID D77 (240-80352-5), SAMPLE SS5 - GRID B65 (240-80352-6), SAMPLE SS6 - GRID B65 (240-80352-7), SAMPLE SS8 - GRID B5 (240-80352-9), SAMPLE SS9 - GRID C17 (240-80352-10), SAMPLE SS10 - GRID C52 (240-80352-11), SAMPLE SS11 - GRID C75 (240-80352-13), (LCS 240-281803/16-A) and (MB 240-281803/15-A) required a tetrabutylammonium sulfite (TBA) clean-up to reduce matrix interferences caused by sulfur.

Decachlorobiphenyl recovery for sample SAMPLE SS10 - GRID C52 (240-80352-11) was outside the upper control limit. The sample did not contain any target analytes; therefore, re-extraction and re-analysis was not performed.

Decachlorobiphenyl failed the surrogate recovery criteria high for SAMPLE SS10 - GRID C52 (240-80352-11), SAMPLE SS1 - GRID A50

Job ID: 240-80352-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

(240-80352-2), SAMPLE SS2 - GRID A27 (240-80352-3), SAMPLE SS4 - GRID D77 (240-80352-5), and SAMPLE SS1 - GRID A50MSD (240-80352-2MSD).

Tetrachloro-m-xylene failed the surrogate recovery criteria high for SAMPLE SS11 - GRID C75 (240-80352-13).

4,4'-DDE, alpha-Chlordane and gamma-Chlordane exceeded the RPD limit for the duplicate of sample SAMPLE SS1 - GRID A50DU (240-80352-2).

Surrogate recovery was outside acceptance limits for matrix spike/matrix spike duplicate associated with sample SAMPLE SS1 - GRID A50 (240-80352-2). The parent sample's surrogate recovery was within limits. The MS/MSD sample has been qualified and reported.

Decachlorobiphenyl, Decachlorobiphenyl and Tetrachloro-m-xylene failed the surrogate recovery criteria high for SAMPLE SS1 - GRID A50MS (240-80352-2MS).

delta-BHC and Endosulfan sulfate failed the recovery criteria low for the MS of sample SAMPLE SS1 - GRID A50MS (240-80352-2) in batch 240-282735.

4,4'-DDT, delta-BHC and Endosulfan sulfate failed the recovery criteria low for the MSD of sample SAMPLE SS1 - GRID A50MSD (240-80352-2) in batch 240-282735. Endosulfan sulfate exceeded the RPD limit.

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

POLYCHLORINATED BIPHENYLS (PCBS)

Samples SAMPLE SS1 - GRID A50 (240-80352-2), SAMPLE SS2 - GRID A27 (240-80352-3), SAMPLE SS3 - GRID A13 (240-80352-4), SAMPLE SS4 - GRID D77 (240-80352-5), SAMPLE SS5 - GRID B65 (240-80352-6), SAMPLE SS6 - GRID B65 (240-80352-7), SAMPLE SS7 - GRID B12 (240-80352-8), SAMPLE SS8 - GRID B5 (240-80352-9), SAMPLE SS9 - GRID C17 (240-80352-10), SAMPLE SS10 - GRID C52 (240-80352-11) and SAMPLE SS11 - GRID C75 (240-80352-13) were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082. The samples were prepared on 06/05/2017 and 06/06/2017 and analyzed on 06/07/2017.

Surrogates are added during the extraction process prior to dilution. When the sample dilution is 5X or greater, surrogate recoveries are diluted out and no corrective action is required. All of the samples in this data set analyzed for PCBs were subjected to the sulfuric acid cleanup procedure before instrumental analysis, per EPA Method 3665A.

Samples SAMPLE SS1 - GRID A50 (240-80352-2), SAMPLE SS1 - GRID A50 (240-80352-2[DU]), SAMPLE SS2 - GRID A27 (240-80352-3), SAMPLE SS4 - GRID D77 (240-80352-5) and SAMPLE SS9 - GRID C17 (240-80352-10) appear to contain polychlorinated biphenyls (PCBs); however, due to weathering, other environmental processes and/or contributions from the presence of multiple Aroclors, resulting in overlapping PCB patterns, the PCBs in the samples do not directly match any of the laboratory's Aroclor standards used for instrument calibration. The samples have been quantified and reported using the best overall Aroclor/standard pattern match. Due to the reasons stated above there is increased quantitative uncertainty associated with these results.

Samples SAMPLE SS1 - GRID A50 (240-80352-2), SAMPLE SS1 - GRID A50 (240-80352-2[DU]), SAMPLE SS1 - GRID A50 (240-80352-2[MS]), SAMPLE SS1 - GRID A50 (240-80352-2[MSD]), SAMPLE SS2 - GRID A27 (240-80352-3), SAMPLE SS3 - GRID A13 (240-80352-4), SAMPLE SS4 - GRID D77 (240-80352-5), SAMPLE SS5 - GRID B65 (240-80352-6), SAMPLE SS6 - GRID B65 (240-80352-7), SAMPLE SS7 - GRID B12 (240-80352-8), SAMPLE SS8 - GRID B5 (240-80352-9), SAMPLE SS9 - GRID C17 (240-80352-10), SAMPLE SS10 - GRID C52 (240-80352-11) and SAMPLE SS11 - GRID C75 (240-80352-13) required a tetrabutylammonium sulfite (TBA) clean-up to reduce matrix interferences caused by sulfur.

Decachlorobiphenyl recovery for samples SAMPLE SS2 - GRID A27 (240-80352-3) and SAMPLE SS4 - GRID D77 (240-80352-5) were outside control limits. Evidence of matrix interference was present; therefore, re-extraction and/or re-analysis was not performed.

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

HERBICIDES

Samples SAMPLE SS1 - GRID A50 (240-80352-2), SAMPLE SS2 - GRID A27 (240-80352-3), SAMPLE SS3 - GRID A13 (240-80352-4), SAMPLE SS4 - GRID D77 (240-80352-5), SAMPLE SS5 - GRID B65 (240-80352-6), SAMPLE SS6 - GRID B65 (240-80352-7), SAMPLE SS7

Job ID: 240-80352-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

- GRID B12 (240-80352-8), SAMPLE SS8 - GRID B5 (240-80352-9), SAMPLE SS9 - GRID C17 (240-80352-10), SAMPLE SS10 - GRID C52 (240-80352-11) and SAMPLE SS11 - GRID C75 (240-80352-13) were analyzed for Herbicides in accordance with SW846 Method 8151A. The samples were prepared on 06/09/2017 and analyzed on 06/13/2017.

The continuing calibration verification (CCV) associated with batch 282837 recovered above the upper control limit for 2,4,5-T, 2,4-D and Silvex (2,4,5-TP). The samples associated with this CCV were non-detect for the affected analytes; therefore, the data have been reported.

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

TOTAL METALS (ICP)

Samples SAMPLE SS1 - GRID A50 (240-80352-2), SAMPLE SS2 - GRID A27 (240-80352-3), SAMPLE SS3 - GRID A13 (240-80352-4), SAMPLE SS4 - GRID D77 (240-80352-5), SAMPLE SS5 - GRID B65 (240-80352-6), SAMPLE SS6 - GRID B65 (240-80352-7), SAMPLE SS7 - GRID B12 (240-80352-8), SAMPLE SS8 - GRID B5 (240-80352-9), SAMPLE SS9 - GRID C17 (240-80352-10), SAMPLE SS10 - GRID C52 (240-80352-11) and SAMPLE SS11 - GRID C75 (240-80352-13) were analyzed for total metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were prepared on 06/06/2017 and analyzed on 06/07/2017.

Iron and Magnesium was detected in method blank MB 240-281832/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Calcium failed the recovery criteria low for the MS of sample SAMPLE SS1 - GRID A50MS (240-80352-2) in batch 240-282044. Aluminum failed the recovery criteria high.

Aluminum and Iron failed the recovery criteria high for the MSD of sample SAMPLE SS1 - GRID A50MSD (240-80352-2) in batch 240-282044.

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

TOTAL METALS (ICPMS)

Samples SAMPLE SS1 - GRID A50 (240-80352-2), SAMPLE SS2 - GRID A27 (240-80352-3), SAMPLE SS3 - GRID A13 (240-80352-4), SAMPLE SS4 - GRID D77 (240-80352-5), SAMPLE SS5 - GRID B65 (240-80352-6), SAMPLE SS6 - GRID B65 (240-80352-7), SAMPLE SS7 - GRID B12 (240-80352-8), SAMPLE SS8 - GRID B5 (240-80352-9), SAMPLE SS9 - GRID C17 (240-80352-10), SAMPLE SS10 - GRID C52 (240-80352-11) and SAMPLE SS11 - GRID C75 (240-80352-13) were analyzed for total metals (ICPMS) in accordance with EPA SW-846 Method 6020. The samples were prepared on 06/06/2017 and analyzed on 06/09/2017.

Several analytes were detected in method blank MB 240-281832/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Zinc failed the recovery criteria low for the MS of sample SAMPLE SS1 - GRID A50MS (240-80352-2) in batch 240-282368.

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

TOTAL MERCURY

Samples SAMPLE SS1 - GRID A50 (240-80352-2), SAMPLE SS2 - GRID A27 (240-80352-3), SAMPLE SS3 - GRID A13 (240-80352-4), SAMPLE SS4 - GRID D77 (240-80352-5), SAMPLE SS5 - GRID B65 (240-80352-6), SAMPLE SS6 - GRID B65 (240-80352-7), SAMPLE SS7 - GRID B12 (240-80352-8), SAMPLE SS8 - GRID B5 (240-80352-9), SAMPLE SS9 - GRID C17 (240-80352-10), SAMPLE SS10 - GRID C52 (240-80352-11) and SAMPLE SS11 - GRID C75 (240-80352-13) were analyzed for total mercury in accordance with EPA SW-846 Method 7471A. The samples were prepared on 06/06/2017 and analyzed on 06/07/2017.

Mercury failed the recovery criteria low for the MS and MSD of sample SAMPLE SS1 - GRID A50 (240-80352-2) in batch 240-282035.

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

ICP

Job ID: 240-80352-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

Samples SAMPLE SS1 - GRID A50 (240-80352-14), SAMPLE SS2 - GRID A27 (240-80352-15), SAMPLE SS3 - GRID A13 (240-80352-16), SAMPLE SS4 - GRID D77 (240-80352-17), SAMPLE SS5 - GRID B65 (240-80352-18), SAMPLE SS6 - GRID B65 (240-80352-19), SAMPLE SS7 - GRID B12 (240-80352-20), SAMPLE SS8 - GRID B5 (240-80352-21), SAMPLE SS9 - GRID C17 (240-80352-22), SAMPLE SS10 - GRID C52 (240-80352-23), SAMPLE SS10DUP - GRID C52 (240-80352-24) and SAMPLE SS11 - GRID C75 (240-80352-25) were analyzed for ICP in accordance with SW-846 Method 6010C. The samples were prepared on 06/07/2017 and analyzed on 06/12/2017.

Samples SAMPLE SS4 - GRID D77 (240-80352-17)[2X] and SAMPLE SS7 - GRID B12 (240-80352-20)[2X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Copper SEM, Lead SEM and Zinc SEM failed the recovery criteria high for the MS of sample SAMPLE SS1 - GRID A50MS (240-80352-14) in batch 180-213969.

Copper SEM failed the recovery criteria high for the MSD of sample SAMPLE SS1 - GRID A50MSD (240-80352-14) in batch 180-213969.

Due to sample matrix effect on the internal standard (ISTD), a dilution was required for sample SAMPLE SS7 - GRID B12 (240-80352-20). All analytes referencing the indium internal standard required dilution due to the indium counts being low and outside the 70%-130% control limits.

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

ACID VOLATILE SULFIDES

Samples SAMPLE SS1 - GRID A50 (240-80352-14), SAMPLE SS2 - GRID A27 (240-80352-15), SAMPLE SS3 - GRID A13 (240-80352-16), SAMPLE SS4 - GRID D77 (240-80352-17), SAMPLE SS5 - GRID B65 (240-80352-18), SAMPLE SS6 - GRID B65 (240-80352-19), SAMPLE SS7 - GRID B12 (240-80352-20), SAMPLE SS8 - GRID B5 (240-80352-21), SAMPLE SS9 - GRID C17 (240-80352-22), SAMPLE SS10 - GRID C52 (240-80352-23), SAMPLE SS10DUP - GRID C52 (240-80352-24) and SAMPLE SS11 - GRID C75 (240-80352-25) were analyzed for acid volatile sulfides in accordance with AVS. The samples were prepared on 06/15/2017 and analyzed on 06/16/2017.

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

SIMULTANEOUSLY EXTRACTED METALS

Samples SAMPLE SS1 - GRID A50 (240-80352-14), SAMPLE SS2 - GRID A27 (240-80352-15), SAMPLE SS3 - GRID A13 (240-80352-16), SAMPLE SS4 - GRID D77 (240-80352-17), SAMPLE SS5 - GRID B65 (240-80352-18), SAMPLE SS6 - GRID B65 (240-80352-19), SAMPLE SS7 - GRID B12 (240-80352-20), SAMPLE SS8 - GRID B5 (240-80352-21), SAMPLE SS9 - GRID C17 (240-80352-22), SAMPLE SS10 - GRID C52 (240-80352-23), SAMPLE SS10DUP - GRID C52 (240-80352-24) and SAMPLE SS11 - GRID C75 (240-80352-25) were analyzed for Simultaneously Extracted Metals in accordance with Simultaneously Extracted Metals. The samples were analyzed on 06/14/2017.

The matrix spike/matrix spike duplicate (MS/MSD) recoveries for SEM batch 213480 were outside the control limits for Copper. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

SULFIDE

Samples SAMPLE SS1 - GRID A50 (240-80352-14), SAMPLE SS2 - GRID A27 (240-80352-15), SAMPLE SS3 - GRID A13 (240-80352-16), SAMPLE SS4 - GRID D77 (240-80352-17), SAMPLE SS5 - GRID B65 (240-80352-18), SAMPLE SS6 - GRID B65 (240-80352-19), SAMPLE SS7 - GRID B12 (240-80352-20), SAMPLE SS8 - GRID B5 (240-80352-21), SAMPLE SS9 - GRID C17 (240-80352-22), SAMPLE SS10 - GRID C52 (240-80352-23), SAMPLE SS10DUP - GRID C52 (240-80352-24) and SAMPLE SS11 - GRID C75 (240-80352-25) were analyzed for sulfide in accordance with EPA SW-846 Method 9034. The samples were prepared and analyzed on 06/07/2017.

Acid Volatile Sulfides (AVS) failed the recovery criteria low for the MS of sample SAMPLE SS1 - GRID A50MS (240-80352-14) in batch 180-213511.

Acid Volatile Sulfides (AVS) failed the recovery criteria high for the MSD of sample SAMPLE SS1 - GRID A50MSD (240-80352-14) in batch 180-213511.

Job ID: 240-80352-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

The matrix spike/matrix spike duplicate (MS/MSD) recoveries for preparation batch 180-213476 and analytical batch 180-213511 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

GRAIN SIZE

Samples SAMPLE SS1 - GRID A50 (240-80352-2), SAMPLE SS2 - GRID A27 (240-80352-3), SAMPLE SS3 - GRID A13 (240-80352-4), SAMPLE SS4 - GRID D77 (240-80352-5), SAMPLE SS5 - GRID B65 (240-80352-6), SAMPLE SS6 - GRID B65 (240-80352-7), SAMPLE SS7 - GRID B12 (240-80352-8), SAMPLE SS8 - GRID B5 (240-80352-9), SAMPLE SS9 - GRID C17 (240-80352-10), SAMPLE SS10 - GRID C52 (240-80352-11), SAMPLE SS10DUP - GRID C52 (240-80352-12) and SAMPLE SS11 - GRID C75 (240-80352-13) were analyzed for grain size in accordance with ASTM Method D422 grain size. The samples were analyzed on 06/06/2017 and 06/08/2017.

Medium Sand exceeded the RPD limit for the duplicate of sample SAMPLE SS1 - GRID A50DU (240-80352-2).

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

TOTAL ORGANIC CARBON

Samples SAMPLE SS1 - GRID A50 (240-80352-2), SAMPLE SS2 - GRID A27 (240-80352-3), SAMPLE SS3 - GRID A13 (240-80352-4), SAMPLE SS4 - GRID D77 (240-80352-5), SAMPLE SS5 - GRID B65 (240-80352-6), SAMPLE SS6 - GRID B65 (240-80352-7), SAMPLE SS7 - GRID B12 (240-80352-8), SAMPLE SS8 - GRID B5 (240-80352-9), SAMPLE SS9 - GRID C17 (240-80352-10), SAMPLE SS10 - GRID C52 (240-80352-11) and SAMPLE SS11 - GRID C75 (240-80352-13) were analyzed for total organic carbon in accordance with Lloyd Kahn Method. The samples were analyzed on 06/13/2017.

Total Organic Carbon - Duplicates exceeded the RPD limit for the duplicate of sample SAMPLE SS1 - GRID A50DU (240-80352-2). Refer to the QC report for details.

Please note that the reporting limit for Lloyd Kahn TOC analysis is a nominal value and does not reflect adjustments in sample mass processed on an individual basis associated with samples SAMPLE SS1 - GRID A50 (240-80352-2), SAMPLE SS2 - GRID A27 (240-80352-3), SAMPLE SS3 - GRID A13 (240-80352-4), SAMPLE SS4 - GRID D77 (240-80352-5), SAMPLE SS5 - GRID B65 (240-80352-6), SAMPLE SS6 - GRID B65 (240-80352-7), SAMPLE SS7 - GRID B12 (240-80352-8), SAMPLE SS8 - GRID B5 (240-80352-9), SAMPLE SS9 - GRID C17 (240-80352-10), SAMPLE SS10 - GRID C52 (240-80352-11) and SAMPLE SS11 - GRID C75 (240-80352-13)

The sample duplicate (DUP) precision for 180-214148 was outside control limits. Sample non-homogeneity is suspected. Both parent sample and duplicate meet 50% RPD requirement for TOC-duplicate analysis so they were reported as is.

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

PERCENT SOLIDS

Samples SAMPLE SS1 - GRID A50 (240-80352-2), SAMPLE SS2 - GRID A27 (240-80352-3), SAMPLE SS3 - GRID A13 (240-80352-4), SAMPLE SS4 - GRID D77 (240-80352-5), SAMPLE SS5 - GRID B65 (240-80352-6), SAMPLE SS6 - GRID B65 (240-80352-7), SAMPLE SS7 - GRID B12 (240-80352-8), SAMPLE SS8 - GRID B5 (240-80352-9), SAMPLE SS9 - GRID C17 (240-80352-10), SAMPLE SS10 - GRID C52 (240-80352-11), SAMPLE SS10DUP - GRID C52 (240-80352-12), SAMPLE SS11 - GRID C75 (240-80352-13), SAMPLE SS1 - GRID A50 (240-80352-14), SAMPLE SS2 - GRID A27 (240-80352-15), SAMPLE SS3 - GRID A13 (240-80352-16), SAMPLE SS4 - GRID D77 (240-80352-17), SAMPLE SS5 - GRID B65 (240-80352-18), SAMPLE SS6 - GRID B65 (240-80352-19), SAMPLE SS7 - GRID B12 (240-80352-20), SAMPLE SS8 - GRID B5 (240-80352-21), SAMPLE SS9 - GRID C17 (240-80352-22), SAMPLE SS10 - GRID C52 (240-80352-23), SAMPLE SS10DUP - GRID C52 (240-80352-24) and SAMPLE SS11 - GRID C75 (240-80352-25) were analyzed for percent solids in accordance with EPA Method 160.3 MOD. The samples were analyzed on 06/05/2017 and 06/06/2017.

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

Method Summary

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron Ohio

TestAmerica Job ID: 240-80352-1

Method	Method Description	Protocol	Laboratory
8260A	Volatile Organic Compounds (GC/MS)	SW846	TAL CAN
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CAN
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CAN
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL CAN
8081A	Organochlorine Pesticides (GC)	SW846	TAL CAN
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL CAN
8151A	Herbicides (GC)	SW846	TAL CAN
6010B	Metals (ICP)	SW846	TAL CAN
6010C	Metals (ICP)	SW846	TAL PIT
6020	Metals (ICP/MS)	SW846	TAL CAN
7470A	Mercury (CVAA)	SW846	TAL PIT
7471A	Mercury (CVAA)	SW846	TAL CAN
SEM	Metals, Simultaneously Extracted Metals (SEM)	EPA	TAL PIT
2540G	SM 2540G	SM22	TAL PIT
9034	Sulfide, Acid soluble and Insoluble (Titrimetric)	SW846	TAL PIT
Lloyd Kahn	Organic Carbon, Total (TOC)	EPA	TAL PIT
Moisture	Percent Moisture	EPA	TAL CAN
D422	Grain Size	ASTM	TAL BUR
8260B			TAL CAN

Protocol References:

ASTM = ASTM International
EPA = US Environmental Protection Agency
SM22 = SM22
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUR = TestAmerica Burlington, 30 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990
TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396
TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Sample Summary

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron Ohio

TestAmerica Job ID: 240-80352-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-80352-1	TRIP BLANK	Water	06/01/17 08:00	06/02/17 12:50
240-80352-2	SAMPLE SS1 - GRID A50	Solid	06/01/17 09:50	06/02/17 12:50
240-80352-3	SAMPLE SS2 - GRID A27	Solid	06/01/17 10:49	06/02/17 12:50
240-80352-4	SAMPLE SS3 - GRID A13	Solid	06/01/17 11:30	06/02/17 12:50
240-80352-5	SAMPLE SS4 - GRID D77	Solid	06/01/17 12:10	06/02/17 12:50
240-80352-6	SAMPLE SS5 - GRID B65	Solid	06/01/17 13:55	06/02/17 12:50
240-80352-7	SAMPLE SS6 - GRID B65	Solid	06/01/17 16:35	06/02/17 12:50
240-80352-8	SAMPLE SS7 - GRID B12	Solid	06/01/17 14:55	06/02/17 12:50
240-80352-9	SAMPLE SS8 - GRID B5	Solid	06/01/17 15:30	06/02/17 12:50
240-80352-10	SAMPLE SS9 - GRID C17	Solid	06/01/17 17:20	06/02/17 12:50
240-80352-11	SAMPLE SS10 - GRID C52	Solid	06/01/17 18:00	06/02/17 12:50
240-80352-12	SAMPLE SS10DUP - GRID C52	Solid	06/01/17 18:00	06/02/17 12:50
240-80352-13	SAMPLE SS11 - GRID C75	Solid	06/01/17 18:50	06/02/17 12:50
240-80352-14	SAMPLE SS1 - GRID A50	Sediment	06/01/17 09:50	06/02/17 12:50
240-80352-15	SAMPLE SS2 - GRID A27	Sediment	06/01/17 10:49	06/02/17 12:50
240-80352-16	SAMPLE SS3 - GRID A13	Sediment	06/01/17 11:30	06/02/17 12:50
240-80352-17	SAMPLE SS4 - GRID D77	Sediment	06/01/17 12:10	06/02/17 12:50
240-80352-18	SAMPLE SS5 - GRID B65	Sediment	06/01/17 13:55	06/02/17 12:50
240-80352-19	SAMPLE SS6 - GRID B65	Sediment	06/01/17 16:35	06/02/17 12:50
240-80352-20	SAMPLE SS7 - GRID B12	Sediment	06/01/17 14:55	06/02/17 12:50
240-80352-21	SAMPLE SS8 - GRID B5	Sediment	06/01/17 15:30	06/02/17 12:50
240-80352-22	SAMPLE SS9 - GRID C17	Sediment	06/01/17 17:20	06/02/17 12:50
240-80352-23	SAMPLE SS10 - GRID C52	Sediment	06/01/17 18:00	06/02/17 12:50
240-80352-24	SAMPLE SS10DUP - GRID C52	Sediment	06/01/17 18:00	06/02/17 12:50
240-80352-25	SAMPLE SS11 - GRID C75	Sediment	06/01/17 18:50	06/02/17 12:50

Detection Summary

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron Ohio

TestAmerica Job ID: 240-80352-1

Client Sample ID: TRIP BLANK — Lab Sample ID: 240-80352-1

No Detections.

Client Sample ID: SAMPLE SS1 - GRID A50 — Lab Sample ID: 240-80352-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	97		66	10	ug/Kg	1	☼	8260A	Total/NA
Carbon disulfide	1.0	J	17	0.69	ug/Kg	1	☼	8260A	Total/NA
2-Butanone (MEK)	22	J	66	4.2	ug/Kg	1	☼	8260A	Total/NA
Methylene Chloride	1.7	J B	17	0.79	ug/Kg	1	☼	8260A	Total/NA
Acenaphthene	230		150	17	ug/Kg	6.66666	☼	8270C	Total/NA
Acenaphthylene	94	J	150	7.8	ug/Kg	6.66666	☼	8270C	Total/NA
Anthracene	470		150	17	ug/Kg	6.66666	☼	8270C	Total/NA
Benzo[a]anthracene	1600		150	14	ug/Kg	6.66666	☼	8270C	Total/NA
Benzo[a]pyrene	1800		150	14	ug/Kg	6.66666	☼	8270C	Total/NA
Benzo[b]fluoranthene	3200		150	13	ug/Kg	6.66666	☼	8270C	Total/NA
Benzo[g,h,i]perylene	750	F1	150	7.8	ug/Kg	6.66666	☼	8270C	Total/NA
Benzo[k]fluoranthene	1300		150	15	ug/Kg	6.66666	☼	8270C	Total/NA
Bis(2-ethylhexyl) phthalate	6600	F1	1600	420	ug/Kg	6.66666	☼	8270C	Total/NA
Chrysene	2200		150	24	ug/Kg	6.66666	☼	8270C	Total/NA
Dibenzofuran	220	J	1100	15	ug/Kg	6.66666	☼	8270C	Total/NA
Fluoranthene	4500	F1	150	12	ug/Kg	6.66666	☼	8270C	Total/NA
Fluorene	230		150	12	ug/Kg	6.66666	☼	8270C	Total/NA
Indeno[1,2,3-cd]pyrene	690	F1	150	7.8	ug/Kg	6.66666	☼	8270C	Total/NA
2-Methylnaphthalene	850		150	11	ug/Kg	6.66666	☼	8270C	Total/NA
Naphthalene	590		150	18	ug/Kg	6.66666	☼	8270C	Total/NA
N-Nitrosodiphenylamine	980	J	1100	470	ug/Kg	6.66666	☼	8270C	Total/NA
Phenanthrene	1900		150	16	ug/Kg	6.66666	☼	8270C	Total/NA
Pyrene	3600		150	9.7	ug/Kg	6.66666	☼	8270C	Total/NA
C10-C20	3100		830	250	mg/Kg	5	☼	8015B	Total/NA
C20-C34	3700		830	250	mg/Kg	5	☼	8015B	Total/NA
alpha-Chlordane	18		17	13	ug/Kg	1	☼	8081A	Total/NA
4,4'-DDE	12	J p	17	4.0	ug/Kg	1	☼	8081A	Total/NA
gamma-Chlordane	16	J	17	5.0	ug/Kg	1	☼	8081A	Total/NA
Aroclor-1254	440		170	47	ug/Kg	1	☼	8082	Total/NA
Aluminum	7500		59	17	mg/Kg	1	☼	6010B	Total/NA
Calcium	39000	F1	1500	68	mg/Kg	1	☼	6010B	Total/NA
Iron	30000	B	30	9.5	mg/Kg	1	☼	6010B	Total/NA
Magnesium	8100	B	1500	15	mg/Kg	1	☼	6010B	Total/NA
Potassium	670	J	1500	18	mg/Kg	1	☼	6010B	Total/NA
Selenium	1.4	J	1.5	1.0	mg/Kg	1	☼	6010B	Total/NA
Sodium	410	J	1500	56	mg/Kg	1	☼	6010B	Total/NA
Arsenic	38		3.0	0.077	mg/Kg	2	☼	6020	Total/NA
Barium	180		3.0	0.65	mg/Kg	2	☼	6020	Total/NA
Cadmium	3.8		0.59	0.011	mg/Kg	2	☼	6020	Total/NA
Chromium	64	B	1.2	0.18	mg/Kg	2	☼	6020	Total/NA
Copper	130	B	1.2	0.29	mg/Kg	2	☼	6020	Total/NA
Lead	310	B	0.59	0.13	mg/Kg	2	☼	6020	Total/NA
Manganese	470	B	3.0	0.36	mg/Kg	2	☼	6020	Total/NA
Nickel	41		1.2	0.12	mg/Kg	2	☼	6020	Total/NA
Strontium	78	B	5.9	0.074	mg/Kg	2	☼	6020	Total/NA
Zinc	1100	F1 B	12	1.5	mg/Kg	2	☼	6020	Total/NA
Mercury	0.80		0.34	0.062	mg/Kg	1	☼	7471A	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SAMPLE SS1 - GRID A50 (Continued) — Lab Sample ID: 240-80352-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Organic Carbon - Duplicates	45000	F1	3300	2500	mg/Kg	1	☼	Lloyd Kahn	Total/NA
Gravel	0.0				%	1		D422	Total/NA
Sieve Size 3 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Sand	18.7				%	1		D422	Total/NA
Sieve Size 2 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Coarse Sand	1.3				%	1		D422	Total/NA
Sieve Size 1.5 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Medium Sand	5.8				%	1		D422	Total/NA
Sieve Size 1 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Fine Sand	11.6				%	1		D422	Total/NA
Sieve Size 0.75 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Sieve Size 0.375 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Silt	68.3				%	1		D422	Total/NA
Clay	13.0				%	1		D422	Total/NA
Sieve Size #4 - Percent Finer	100.0				% Passing	1		D422	Total/NA
Sieve Size #10 - Percent Finer	98.7				% Passing	1		D422	Total/NA
Sieve Size #20 - Percent Finer	96.0				% Passing	1		D422	Total/NA
Sieve Size #40 - Percent Finer	92.9				% Passing	1		D422	Total/NA
Sieve Size #60 - Percent Finer	90.9				% Passing	1		D422	Total/NA
Sieve Size #80 - Percent Finer	89.3				% Passing	1		D422	Total/NA
Sieve Size #100 - Percent Finer	88.0				% Passing	1		D422	Total/NA
Sieve Size #200 - Percent Finer	81.3				% Passing	1		D422	Total/NA
Hydrometer Reading 1 - Percent Finer	51.3				% Passing	1		D422	Total/NA
Hydrometer Reading 2 - Percent Finer	39.1				% Passing	1		D422	Total/NA
Hydrometer Reading 3 - Percent Finer	23.5				% Passing	1		D422	Total/NA
Hydrometer Reading 4 - Percent Finer	16.5				% Passing	1		D422	Total/NA
Hydrometer Reading 5 - Percent Finer	13.0				% Passing	1		D422	Total/NA
Hydrometer Reading 6 - Percent Finer	7.5				% Passing	1		D422	Total/NA
Hydrometer Reading 7 - Percent Finer	5.8				% Passing	1		D422	Total/NA

Client Sample ID: SAMPLE SS2 - GRID A27 — Lab Sample ID: 240-80352-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	170		47	7.2	ug/Kg	1	☼	8260A	Total/NA
Carbon disulfide	2.7	J	12	0.50	ug/Kg	1	☼	8260A	Total/NA
cis-1,2-Dichloroethene	0.72	J	5.9	0.66	ug/Kg	1	☼	8260A	Total/NA
Isopropylbenzene	1.7	J	12	0.47	ug/Kg	1	☼	8260A	Total/NA
2-Butanone (MEK)	43	J	47	3.0	ug/Kg	1	☼	8260A	Total/NA
Methylene Chloride	460	J B	970	46	ug/Kg	1	☼	8260A	Total/NA
Xylenes, Total	5.8	J	12	0.95	ug/Kg	1	☼	8260A	Total/NA
Acenaphthene	420		330	38	ug/Kg	20	☼	8270C	Total/NA
Anthracene	880		330	39	ug/Kg	20	☼	8270C	Total/NA
Benzo[a]anthracene	950		330	31	ug/Kg	20	☼	8270C	Total/NA
Benzo[a]pyrene	960		330	32	ug/Kg	20	☼	8270C	Total/NA
Benzo[b]fluoranthene	1400		330	29	ug/Kg	20	☼	8270C	Total/NA
Benzo[g,h,i]perylene	540		330	17	ug/Kg	20	☼	8270C	Total/NA
Benzo[k]fluoranthene	500		330	34	ug/Kg	20	☼	8270C	Total/NA
Bis(2-ethylhexyl) phthalate	12000	B	3500	940	ug/Kg	20	☼	8270C	Total/NA
Chrysene	1600		330	55	ug/Kg	20	☼	8270C	Total/NA
Fluoranthene	2800		330	27	ug/Kg	20	☼	8270C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SAMPLE SS2 - GRID A27 (Continued)

Lab Sample ID: 240-80352-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluorene	560		330	26	ug/Kg	20	☼	8270C	Total/NA
Indeno[1,2,3-cd]pyrene	370		330	17	ug/Kg	20	☼	8270C	Total/NA
2-Methylnaphthalene	750		330	25	ug/Kg	20	☼	8270C	Total/NA
Naphthalene	470		330	41	ug/Kg	20	☼	8270C	Total/NA
Phenanthrene	3100		330	36	ug/Kg	20	☼	8270C	Total/NA
Pyrene	3100		330	22	ug/Kg	20	☼	8270C	Total/NA
C10-C20	1700		1200	370	mg/Kg	10	☼	8015B	Total/NA
C20-C34	6000		1200	370	mg/Kg	10	☼	8015B	Total/NA
Aroclor-1254	630		120	34	ug/Kg	1	☼	8082	Total/NA
Aluminum	4700		40	11	mg/Kg	1	☼	6010B	Total/NA
Calcium	20000		990	46	mg/Kg	1	☼	6010B	Total/NA
Iron	18000	B	20	6.3	mg/Kg	1	☼	6010B	Total/NA
Magnesium	2400	B	990	10	mg/Kg	1	☼	6010B	Total/NA
Potassium	460	J	990	12	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.70	J	0.99	0.67	mg/Kg	1	☼	6010B	Total/NA
Sodium	350	J	990	38	mg/Kg	1	☼	6010B	Total/NA
Arsenic	21		2.0	0.051	mg/Kg	2	☼	6020	Total/NA
Barium	100		2.0	0.44	mg/Kg	2	☼	6020	Total/NA
Cadmium	1.8		0.40	0.0073	mg/Kg	2	☼	6020	Total/NA
Chromium	57	B	0.79	0.12	mg/Kg	2	☼	6020	Total/NA
Copper	85	B	0.79	0.19	mg/Kg	2	☼	6020	Total/NA
Lead	160	B	0.40	0.089	mg/Kg	2	☼	6020	Total/NA
Manganese	240	B	2.0	0.24	mg/Kg	2	☼	6020	Total/NA
Nickel	22		0.79	0.077	mg/Kg	2	☼	6020	Total/NA
Strontium	45	B	4.0	0.049	mg/Kg	2	☼	6020	Total/NA
Zinc	660	B	7.9	0.99	mg/Kg	2	☼	6020	Total/NA
Mercury	0.38		0.24	0.044	mg/Kg	1	☼	7471A	Total/NA
Total Organic Carbon - Duplicates	73000		2500	1800	mg/Kg	1	☼	Lloyd Kahn	Total/NA
Gravel	7.6				%	1		D422	Total/NA
Sieve Size 3 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Sand	54.9				%	1		D422	Total/NA
Sieve Size 2 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Coarse Sand	5.1				%	1		D422	Total/NA
Sieve Size 1.5 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Medium Sand	16.2				%	1		D422	Total/NA
Sieve Size 1 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Fine Sand	33.6				%	1		D422	Total/NA
Sieve Size 0.75 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Sieve Size 0.375 inch - Percent Finer	97.5				% Passing	1		D422	Total/NA
Silt	29.0				%	1		D422	Total/NA
Clay	8.5				%	1		D422	Total/NA
Sieve Size #4 - Percent Finer	92.4				% Passing	1		D422	Total/NA
Sieve Size #10 - Percent Finer	87.3				% Passing	1		D422	Total/NA
Sieve Size #20 - Percent Finer	82.7				% Passing	1		D422	Total/NA
Sieve Size #40 - Percent Finer	71.1				% Passing	1		D422	Total/NA
Sieve Size #60 - Percent Finer	53.4				% Passing	1		D422	Total/NA
Sieve Size #80 - Percent Finer	45.6				% Passing	1		D422	Total/NA
Sieve Size #100 - Percent Finer	42.7				% Passing	1		D422	Total/NA
Sieve Size #200 - Percent Finer	37.5				% Passing	1		D422	Total/NA
Hydrometer Reading 1 - Percent Finer	25.5				% Passing	1		D422	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SAMPLE SS2 - GRID A27 (Continued) — Lab Sample ID: 240-80352-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Hydrometer Reading 2 - Percent Finer	20.2				% Passing	1		D422	Total/NA
Hydrometer Reading 3 - Percent Finer	12.4				% Passing	1		D422	Total/NA
Hydrometer Reading 4 - Percent Finer	9.8				% Passing	1		D422	Total/NA
Hydrometer Reading 5 - Percent Finer	8.5				% Passing	1		D422	Total/NA
Hydrometer Reading 6 - Percent Finer	5.7				% Passing	1		D422	Total/NA
Hydrometer Reading 7 - Percent Finer	4.4				% Passing	1		D422	Total/NA

Client Sample ID: SAMPLE SS3 - GRID A13 — Lab Sample ID: 240-80352-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	42	J	65	9.9	ug/Kg	1	☼	8260A	Total/NA
Carbon disulfide	1.8	J	16	0.68	ug/Kg	1	☼	8260A	Total/NA
2-Butanone (MEK)	16	J	65	4.1	ug/Kg	1	☼	8260A	Total/NA
Methylene Chloride	1.8	J B	16	0.78	ug/Kg	1	☼	8260A	Total/NA
Benzo[a]anthracene	40		25	2.3	ug/Kg	1	☼	8270C	Total/NA
Benzo[a]pyrene	52		25	2.4	ug/Kg	1	☼	8270C	Total/NA
Benzo[g,h,i]perylene	36		25	1.3	ug/Kg	1	☼	8270C	Total/NA
Bis(2-ethylhexyl) phthalate	190	J B	260	71	ug/Kg	1	☼	8270C	Total/NA
Chrysene	51		25	4.1	ug/Kg	1	☼	8270C	Total/NA
Fluoranthene	120		25	2.0	ug/Kg	1	☼	8270C	Total/NA
Indeno[1,2,3-cd]pyrene	33		25	1.3	ug/Kg	1	☼	8270C	Total/NA
2-Methylnaphthalene	26		25	1.9	ug/Kg	1	☼	8270C	Total/NA
Naphthalene	19	J	25	3.0	ug/Kg	1	☼	8270C	Total/NA
Phenanthrene	36		25	2.7	ug/Kg	1	☼	8270C	Total/NA
Pyrene	89		25	1.6	ug/Kg	1	☼	8270C	Total/NA
C10-C20	1500		370	110	mg/Kg	2	☼	8015B	Total/NA
C20-C34	1600		370	110	mg/Kg	2	☼	8015B	Total/NA
Aluminum	8700		61	18	mg/Kg	1	☼	6010B	Total/NA
Calcium	42000		1500	70	mg/Kg	1	☼	6010B	Total/NA
Iron	13000	B	31	9.8	mg/Kg	1	☼	6010B	Total/NA
Magnesium	2600	B	1500	16	mg/Kg	1	☼	6010B	Total/NA
Potassium	640	J	1500	19	mg/Kg	1	☼	6010B	Total/NA
Sodium	510	J	1500	58	mg/Kg	1	☼	6010B	Total/NA
Arsenic	10		3.1	0.080	mg/Kg	2	☼	6020	Total/NA
Barium	150		3.1	0.67	mg/Kg	2	☼	6020	Total/NA
Cadmium	0.58	J	0.61	0.011	mg/Kg	2	☼	6020	Total/NA
Chromium	16	B	1.2	0.18	mg/Kg	2	☼	6020	Total/NA
Copper	30	B	1.2	0.30	mg/Kg	2	☼	6020	Total/NA
Lead	40	B	0.61	0.14	mg/Kg	2	☼	6020	Total/NA
Manganese	390	B	3.1	0.37	mg/Kg	2	☼	6020	Total/NA
Nickel	21		1.2	0.12	mg/Kg	2	☼	6020	Total/NA
Strontium	91	B	6.1	0.077	mg/Kg	2	☼	6020	Total/NA
Zinc	180	B	12	1.5	mg/Kg	2	☼	6020	Total/NA
Mercury	0.079	J	0.40	0.073	mg/Kg	1	☼	7471A	Total/NA
Total Organic Carbon - Duplicates	140000		3800	2800	mg/Kg	1	☼	Lloyd Kahn	Total/NA
Gravel	12.1				%	1		D422	Total/NA
Sieve Size 3 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Sand	24.3				%	1		D422	Total/NA
Sieve Size 2 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Coarse Sand	7.1				%	1		D422	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SAMPLE SS3 - GRID A13 (Continued) — Lab Sample ID: 240-80352-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sieve Size 1.5 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Medium Sand	3.9				%	1		D422	Total/NA
Sieve Size 1 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Fine Sand	13.3				%	1		D422	Total/NA
Sieve Size 0.75 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Sieve Size 0.375 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Silt	46.3				%	1		D422	Total/NA
Clay	17.3				%	1		D422	Total/NA
Sieve Size #4 - Percent Finer	87.9				% Passing	1		D422	Total/NA
Sieve Size #10 - Percent Finer	80.8				% Passing	1		D422	Total/NA
Sieve Size #20 - Percent Finer	78.9				% Passing	1		D422	Total/NA
Sieve Size #40 - Percent Finer	76.9				% Passing	1		D422	Total/NA
Sieve Size #60 - Percent Finer	73.6				% Passing	1		D422	Total/NA
Sieve Size #80 - Percent Finer	71.3				% Passing	1		D422	Total/NA
Sieve Size #100 - Percent Finer	69.9				% Passing	1		D422	Total/NA
Sieve Size #200 - Percent Finer	63.6				% Passing	1		D422	Total/NA
Hydrometer Reading 1 - Percent Finer	35.6				% Passing	1		D422	Total/NA
Hydrometer Reading 2 - Percent Finer	33.8				% Passing	1		D422	Total/NA
Hydrometer Reading 3 - Percent Finer	24.6				% Passing	1		D422	Total/NA
Hydrometer Reading 4 - Percent Finer	21.0				% Passing	1		D422	Total/NA
Hydrometer Reading 5 - Percent Finer	17.3				% Passing	1		D422	Total/NA
Hydrometer Reading 6 - Percent Finer	9.7				% Passing	1		D422	Total/NA
Hydrometer Reading 7 - Percent Finer	6.1				% Passing	1		D422	Total/NA

Client Sample ID: SAMPLE SS4 - GRID D77 — Lab Sample ID: 240-80352-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	170		42	6.4	ug/Kg	1	☼	8260A	Total/NA
Carbon disulfide	2.6	J	10	0.44	ug/Kg	1	☼	8260A	Total/NA
Chlorobenzene	1.5	J	10	0.69	ug/Kg	1	☼	8260A	Total/NA
cis-1,2-Dichloroethene	1.2	J	5.2	0.58	ug/Kg	1	☼	8260A	Total/NA
Ethylbenzene	0.84	J	10	0.56	ug/Kg	1	☼	8260A	Total/NA
2-Butanone (MEK)	36	J	42	2.6	ug/Kg	1	☼	8260A	Total/NA
Toluene	0.89	J	10	0.71	ug/Kg	1	☼	8260A	Total/NA
Xylenes, Total	13		10	0.83	ug/Kg	1	☼	8260A	Total/NA
Acenaphthene	770	J	800	91	ug/Kg	50	☼	8270C	Total/NA
Anthracene	1900		800	93	ug/Kg	50	☼	8270C	Total/NA
Benzo[a]anthracene	3600		800	75	ug/Kg	50	☼	8270C	Total/NA
Benzo[a]pyrene	2900		800	76	ug/Kg	50	☼	8270C	Total/NA
Benzo[b]fluoranthene	4300		800	70	ug/Kg	50	☼	8270C	Total/NA
Benzo[g,h,i]perylene	1000		800	42	ug/Kg	50	☼	8270C	Total/NA
Benzo[k]fluoranthene	2100		800	81	ug/Kg	50	☼	8270C	Total/NA
Bis(2-ethylhexyl) phthalate	32000		8400	2300	ug/Kg	50	☼	8270C	Total/NA
Chrysene	4300		800	130	ug/Kg	50	☼	8270C	Total/NA
Fluoranthene	11000		800	66	ug/Kg	50	☼	8270C	Total/NA
Fluorene	1300		800	63	ug/Kg	50	☼	8270C	Total/NA
Indeno[1,2,3-cd]pyrene	800		800	42	ug/Kg	50	☼	8270C	Total/NA
2-Methylnaphthalene	1900		800	60	ug/Kg	50	☼	8270C	Total/NA
Naphthalene	1200		800	98	ug/Kg	50	☼	8270C	Total/NA
N-Nitrosodiphenylamine	3400	J	6000	2500	ug/Kg	50	☼	8270C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SAMPLE SS4 - GRID D77 (Continued) — Lab Sample ID: 240-80352-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Phenanthrene	7700		800	87	ug/Kg	50	☼	8270C	Total/NA
Pyrene	10000		800	52	ug/Kg	50	☼	8270C	Total/NA
C10-C20	2200		1200	370	mg/Kg	10	☼	8015B	Total/NA
C20-C34	11000		1200	370	mg/Kg	10	☼	8015B	Total/NA
Aroclor-1254	530		120	33	ug/Kg	1	☼	8082	Total/NA
Aluminum	8600		33	9.6	mg/Kg	1	☼	6010B	Total/NA
Calcium	28000		830	38	mg/Kg	1	☼	6010B	Total/NA
Iron	28000	B	17	5.3	mg/Kg	1	☼	6010B	Total/NA
Magnesium	3900	B	830	8.6	mg/Kg	1	☼	6010B	Total/NA
Potassium	760	J	830	10	mg/Kg	1	☼	6010B	Total/NA
Selenium	1.7		0.83	0.56	mg/Kg	1	☼	6010B	Total/NA
Sodium	370	J	830	32	mg/Kg	1	☼	6010B	Total/NA
Arsenic	22		1.7	0.043	mg/Kg	2	☼	6020	Total/NA
Barium	290		1.7	0.36	mg/Kg	2	☼	6020	Total/NA
Cadmium	4.3		0.33	0.0061	mg/Kg	2	☼	6020	Total/NA
Chromium	94	B	0.66	0.099	mg/Kg	2	☼	6020	Total/NA
Copper	180	B	0.66	0.16	mg/Kg	2	☼	6020	Total/NA
Lead	270	B	0.33	0.075	mg/Kg	2	☼	6020	Total/NA
Manganese	320	B	1.7	0.20	mg/Kg	2	☼	6020	Total/NA
Nickel	42		0.66	0.065	mg/Kg	2	☼	6020	Total/NA
Strontium	81	B	3.3	0.041	mg/Kg	2	☼	6020	Total/NA
Zinc	2400	B	6.6	0.83	mg/Kg	2	☼	6020	Total/NA
Mercury	1.4		0.22	0.040	mg/Kg	1	☼	7471A	Total/NA
Total Organic Carbon - Duplicates	230000		2400	1800	mg/Kg	1	☼	Lloyd Kahn	Total/NA
Gravel	5.2				%	1		D422	Total/NA
Sieve Size 3 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Sand	27.3				%	1		D422	Total/NA
Sieve Size 2 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Coarse Sand	1.8				%	1		D422	Total/NA
Sieve Size 1.5 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Medium Sand	7.9				%	1		D422	Total/NA
Sieve Size 1 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Fine Sand	17.6				%	1		D422	Total/NA
Sieve Size 0.75 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Sieve Size 0.375 inch - Percent Finer	97.2				% Passing	1		D422	Total/NA
Silt	56.9				%	1		D422	Total/NA
Clay	10.6				%	1		D422	Total/NA
Sieve Size #4 - Percent Finer	94.8				% Passing	1		D422	Total/NA
Sieve Size #10 - Percent Finer	93.0				% Passing	1		D422	Total/NA
Sieve Size #20 - Percent Finer	90.1				% Passing	1		D422	Total/NA
Sieve Size #40 - Percent Finer	85.1				% Passing	1		D422	Total/NA
Sieve Size #60 - Percent Finer	78.1				% Passing	1		D422	Total/NA
Sieve Size #80 - Percent Finer	74.5				% Passing	1		D422	Total/NA
Sieve Size #100 - Percent Finer	72.6				% Passing	1		D422	Total/NA
Sieve Size #200 - Percent Finer	67.5				% Passing	1		D422	Total/NA
Hydrometer Reading 1 - Percent Finer	50.8				% Passing	1		D422	Total/NA
Hydrometer Reading 2 - Percent Finer	32.9				% Passing	1		D422	Total/NA
Hydrometer Reading 3 - Percent Finer	19.5				% Passing	1		D422	Total/NA
Hydrometer Reading 4 - Percent Finer	15.1				% Passing	1		D422	Total/NA
Hydrometer Reading 5 - Percent Finer	10.6				% Passing	1		D422	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SAMPLE SS4 - GRID D77 (Continued) — Lab Sample ID: 240-80352-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Hydrometer Reading 6 - Percent Finer	7.1				% Passing	1		D422	Total/NA
Hydrometer Reading 7 - Percent Finer	4.8				% Passing	1		D422	Total/NA

Client Sample ID: SAMPLE SS5 - GRID B65 — Lab Sample ID: 240-80352-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	46	J	65	10	ug/Kg	1	☼	8260A	Total/NA
Carbon disulfide	8.9	J	16	0.69	ug/Kg	1	☼	8260A	Total/NA
2-Butanone (MEK)	11	J	65	4.2	ug/Kg	1	☼	8260A	Total/NA
Methylene Chloride	2.5	J B	16	0.78	ug/Kg	1	☼	8260A	Total/NA
Acenaphthene	17	J	23	2.6	ug/Kg	1	☼	8270C	Total/NA
Anthracene	59		23	2.7	ug/Kg	1	☼	8270C	Total/NA
Benzo[a]anthracene	240		23	2.2	ug/Kg	1	☼	8270C	Total/NA
Benzo[a]pyrene	280		23	2.2	ug/Kg	1	☼	8270C	Total/NA
Benzo[b]fluoranthene	440		23	2.1	ug/Kg	1	☼	8270C	Total/NA
Benzo[g,h,i]perylene	120		23	1.2	ug/Kg	1	☼	8270C	Total/NA
Benzo[k]fluoranthene	150		23	2.4	ug/Kg	1	☼	8270C	Total/NA
Bis(2-ethylhexyl) phthalate	300	B	240	66	ug/Kg	1	☼	8270C	Total/NA
Chrysene	280		23	3.8	ug/Kg	1	☼	8270C	Total/NA
Dibenzofuran	24	J	170	2.3	ug/Kg	1	☼	8270C	Total/NA
Fluoranthene	520		23	1.9	ug/Kg	1	☼	8270C	Total/NA
Fluorene	25		23	1.8	ug/Kg	1	☼	8270C	Total/NA
Indeno[1,2,3-cd]pyrene	120		23	1.2	ug/Kg	1	☼	8270C	Total/NA
2-Methylnaphthalene	53		23	1.7	ug/Kg	1	☼	8270C	Total/NA
Naphthalene	42		23	2.9	ug/Kg	1	☼	8270C	Total/NA
Phenanthrene	140		23	2.5	ug/Kg	1	☼	8270C	Total/NA
Pyrene	400		23	1.5	ug/Kg	1	☼	8270C	Total/NA
C10-C20	2300		880	260	mg/Kg	5	☼	8015B	Total/NA
C20-C34	2400		880	260	mg/Kg	5	☼	8015B	Total/NA
Aroclor-1254	56	J	170	48	ug/Kg	1	☼	8082	Total/NA
Aluminum	6600		49	14	mg/Kg	1	☼	6010B	Total/NA
Calcium	48000		1200	56	mg/Kg	1	☼	6010B	Total/NA
Iron	23000	B	24	7.8	mg/Kg	1	☼	6010B	Total/NA
Magnesium	2200	B	1200	13	mg/Kg	1	☼	6010B	Total/NA
Potassium	650	J	1200	15	mg/Kg	1	☼	6010B	Total/NA
Sodium	520	J	1200	46	mg/Kg	1	☼	6010B	Total/NA
Arsenic	18		2.4	0.064	mg/Kg	2	☼	6020	Total/NA
Barium	110		2.4	0.54	mg/Kg	2	☼	6020	Total/NA
Cadmium	0.63		0.49	0.0090	mg/Kg	2	☼	6020	Total/NA
Chromium	16	B	0.98	0.15	mg/Kg	2	☼	6020	Total/NA
Copper	65	B	0.98	0.24	mg/Kg	2	☼	6020	Total/NA
Lead	140	B	0.49	0.11	mg/Kg	2	☼	6020	Total/NA
Manganese	600	B	2.4	0.29	mg/Kg	2	☼	6020	Total/NA
Nickel	23		0.98	0.095	mg/Kg	2	☼	6020	Total/NA
Strontium	88	B	4.9	0.061	mg/Kg	2	☼	6020	Total/NA
Zinc	560	B	9.8	1.2	mg/Kg	2	☼	6020	Total/NA
Mercury	0.52		0.36	0.066	mg/Kg	1	☼	7471A	Total/NA
Total Organic Carbon - Duplicates	96000		3500	2600	mg/Kg	1	☼	Lloyd Kahn	Total/NA
Gravel	43.0				%	1		D422	Total/NA
Sieve Size 3 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SAMPLE SS5 - GRID B65 (Continued) — Lab Sample ID: 240-80352-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sand	31.9				%	1		D422	Total/NA
Sieve Size 2 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Coarse Sand	6.6				%	1		D422	Total/NA
Sieve Size 1.5 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Medium Sand	7.0				%	1		D422	Total/NA
Sieve Size 1 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Fine Sand	18.3				%	1		D422	Total/NA
Sieve Size 0.75 inch - Percent Finer	85.7				% Passing	1		D422	Total/NA
Sieve Size 0.375 inch - Percent Finer	66.7				% Passing	1		D422	Total/NA
Silt	15.4				%	1		D422	Total/NA
Clay	9.8				%	1		D422	Total/NA
Sieve Size #4 - Percent Finer	57.0				% Passing	1		D422	Total/NA
Sieve Size #10 - Percent Finer	50.4				% Passing	1		D422	Total/NA
Sieve Size #20 - Percent Finer	47.4				% Passing	1		D422	Total/NA
Sieve Size #40 - Percent Finer	43.4				% Passing	1		D422	Total/NA
Sieve Size #60 - Percent Finer	36.5				% Passing	1		D422	Total/NA
Sieve Size #80 - Percent Finer	32.2				% Passing	1		D422	Total/NA
Sieve Size #100 - Percent Finer	30.0				% Passing	1		D422	Total/NA
Sieve Size #200 - Percent Finer	25.1				% Passing	1		D422	Total/NA
Hydrometer Reading 1 - Percent Finer	17.5				% Passing	1		D422	Total/NA
Hydrometer Reading 2 - Percent Finer	14.9				% Passing	1		D422	Total/NA
Hydrometer Reading 3 - Percent Finer	14.9				% Passing	1		D422	Total/NA
Hydrometer Reading 4 - Percent Finer	12.3				% Passing	1		D422	Total/NA
Hydrometer Reading 5 - Percent Finer	9.8				% Passing	1		D422	Total/NA
Hydrometer Reading 6 - Percent Finer	6.9				% Passing	1		D422	Total/NA
Hydrometer Reading 7 - Percent Finer	4.3				% Passing	1		D422	Total/NA

Client Sample ID: SAMPLE SS6 - GRID B65 — Lab Sample ID: 240-80352-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	68		68	10	ug/Kg	1	☼	8260A	Total/NA
Carbon disulfide	9.4	J	17	0.71	ug/Kg	1	☼	8260A	Total/NA
2-Butanone (MEK)	16	J	68	4.3	ug/Kg	1	☼	8260A	Total/NA
Methylene Chloride	1.8	J B	17	0.81	ug/Kg	1	☼	8260A	Total/NA
Benzo[a]anthracene	44		24	2.2	ug/Kg	1	☼	8270C	Total/NA
Benzo[a]pyrene	45		24	2.3	ug/Kg	1	☼	8270C	Total/NA
Benzo[b]fluoranthene	78		24	2.1	ug/Kg	1	☼	8270C	Total/NA
Benzo[g,h,i]perylene	32		24	1.2	ug/Kg	1	☼	8270C	Total/NA
Bis(2-ethylhexyl) phthalate	200	J B	250	67	ug/Kg	1	☼	8270C	Total/NA
Chrysene	51		24	3.9	ug/Kg	1	☼	8270C	Total/NA
Fluoranthene	120		24	2.0	ug/Kg	1	☼	8270C	Total/NA
Indeno[1,2,3-cd]pyrene	28		24	1.2	ug/Kg	1	☼	8270C	Total/NA
2-Methylnaphthalene	22	J	24	1.8	ug/Kg	1	☼	8270C	Total/NA
Naphthalene	16	J	24	2.9	ug/Kg	1	☼	8270C	Total/NA
Phenanthrene	31		24	2.6	ug/Kg	1	☼	8270C	Total/NA
Pyrene	98		24	1.6	ug/Kg	1	☼	8270C	Total/NA
C10-C20	5500		880	260	mg/Kg	5	☼	8015B	Total/NA
C20-C34	3600		880	260	mg/Kg	5	☼	8015B	Total/NA
Aluminum	6200		64	18	mg/Kg	1	☼	6010B	Total/NA
Calcium	32000		1600	73	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SAMPLE SS6 - GRID B65 (Continued) — Lab Sample ID: 240-80352-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	29000	B	32	10	mg/Kg	1	☼	6010B	Total/NA
Magnesium	2000	B	1600	17	mg/Kg	1	☼	6010B	Total/NA
Potassium	600	J	1600	20	mg/Kg	1	☼	6010B	Total/NA
Sodium	500	J	1600	61	mg/Kg	1	☼	6010B	Total/NA
Arsenic	14		3.2	0.083	mg/Kg	2	☼	6020	Total/NA
Barium	110		3.2	0.70	mg/Kg	2	☼	6020	Total/NA
Cadmium	0.39	J	0.64	0.012	mg/Kg	2	☼	6020	Total/NA
Chromium	11	B	1.3	0.19	mg/Kg	2	☼	6020	Total/NA
Copper	26	B	1.3	0.31	mg/Kg	2	☼	6020	Total/NA
Lead	98	B	0.64	0.14	mg/Kg	2	☼	6020	Total/NA
Manganese	770	B	3.2	0.38	mg/Kg	2	☼	6020	Total/NA
Nickel	19		1.3	0.12	mg/Kg	2	☼	6020	Total/NA
Strontium	53	B	6.4	0.080	mg/Kg	2	☼	6020	Total/NA
Zinc	330	B	13	1.6	mg/Kg	2	☼	6020	Total/NA
Mercury	0.24	J	0.39	0.071	mg/Kg	1	☼	7471A	Total/NA
Total Organic Carbon - Duplicates	120000		3500	2600	mg/Kg	1	☼	Lloyd Kahn	Total/NA
Gravel	26.4				%	1		D422	Total/NA
Sieve Size 3 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Sand	31.9				%	1		D422	Total/NA
Sieve Size 2 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Coarse Sand	6.3				%	1		D422	Total/NA
Sieve Size 1.5 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Medium Sand	14.8				%	1		D422	Total/NA
Sieve Size 1 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Fine Sand	10.8				%	1		D422	Total/NA
Sieve Size 0.75 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Sieve Size 0.375 inch - Percent Finer	85.9				% Passing	1		D422	Total/NA
Silt	28.6				%	1		D422	Total/NA
Clay	13.1				%	1		D422	Total/NA
Sieve Size #4 - Percent Finer	73.6				% Passing	1		D422	Total/NA
Sieve Size #10 - Percent Finer	67.3				% Passing	1		D422	Total/NA
Sieve Size #20 - Percent Finer	58.4				% Passing	1		D422	Total/NA
Sieve Size #40 - Percent Finer	52.5				% Passing	1		D422	Total/NA
Sieve Size #60 - Percent Finer	46.9				% Passing	1		D422	Total/NA
Sieve Size #80 - Percent Finer	44.9				% Passing	1		D422	Total/NA
Sieve Size #100 - Percent Finer	44.0				% Passing	1		D422	Total/NA
Sieve Size #200 - Percent Finer	41.7				% Passing	1		D422	Total/NA
Hydrometer Reading 1 - Percent Finer	23.5				% Passing	1		D422	Total/NA
Hydrometer Reading 2 - Percent Finer	20.0				% Passing	1		D422	Total/NA
Hydrometer Reading 3 - Percent Finer	16.5				% Passing	1		D422	Total/NA
Hydrometer Reading 4 - Percent Finer	16.5				% Passing	1		D422	Total/NA
Hydrometer Reading 5 - Percent Finer	13.1				% Passing	1		D422	Total/NA
Hydrometer Reading 6 - Percent Finer	5.8				% Passing	1		D422	Total/NA
Hydrometer Reading 7 - Percent Finer	5.8				% Passing	1		D422	Total/NA

Client Sample ID: SAMPLE SS7 - GRID B12 — Lab Sample ID: 240-80352-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	1.6	J	19	0.81	ug/Kg	1	☼	8260A	Total/NA
Methylene Chloride	2.4	J B	19	0.93	ug/Kg	1	☼	8260A	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SAMPLE SS7 - GRID B12 (Continued)

Lab Sample ID: 240-80352-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	27	J	30	2.9	ug/Kg	1	☼	8270C	Total/NA
Benzo[a]pyrene	40		30	2.9	ug/Kg	1	☼	8270C	Total/NA
Benzo[b]fluoranthene	74		30	2.7	ug/Kg	1	☼	8270C	Total/NA
Benzo[g,h,i]perylene	24	J	30	1.6	ug/Kg	1	☼	8270C	Total/NA
Benzo[k]fluoranthene	26	J	30	3.1	ug/Kg	1	☼	8270C	Total/NA
Bis(2-ethylhexyl) phthalate	300	J B	320	86	ug/Kg	1	☼	8270C	Total/NA
Chrysene	30		30	5.0	ug/Kg	1	☼	8270C	Total/NA
Fluoranthene	89		30	2.5	ug/Kg	1	☼	8270C	Total/NA
Indeno[1,2,3-cd]pyrene	24	J	30	1.6	ug/Kg	1	☼	8270C	Total/NA
Phenanthrene	21	J	30	3.3	ug/Kg	1	☼	8270C	Total/NA
Pyrene	68		30	2.0	ug/Kg	1	☼	8270C	Total/NA
C10-C20	5600		1100	330	mg/Kg	5	☼	8015B	Total/NA
C20-C34	3200		1100	330	mg/Kg	5	☼	8015B	Total/NA
Aluminum	1900		71	21	mg/Kg	1	☼	6010B	Total/NA
Calcium	260000		1800	82	mg/Kg	1	☼	6010B	Total/NA
Iron	10000	B	36	11	mg/Kg	1	☼	6010B	Total/NA
Magnesium	4700	B	1800	19	mg/Kg	1	☼	6010B	Total/NA
Potassium	260	J	1800	22	mg/Kg	1	☼	6010B	Total/NA
Sodium	530	J	1800	68	mg/Kg	1	☼	6010B	Total/NA
Arsenic	13		3.6	0.093	mg/Kg	2	☼	6020	Total/NA
Barium	290		3.6	0.78	mg/Kg	2	☼	6020	Total/NA
Cadmium	0.36	J	0.71	0.013	mg/Kg	2	☼	6020	Total/NA
Chromium	11	B	1.4	0.21	mg/Kg	2	☼	6020	Total/NA
Copper	18	B	1.4	0.35	mg/Kg	2	☼	6020	Total/NA
Lead	30	B	0.71	0.16	mg/Kg	2	☼	6020	Total/NA
Manganese	1200	B	3.6	0.43	mg/Kg	2	☼	6020	Total/NA
Nickel	10		1.4	0.14	mg/Kg	2	☼	6020	Total/NA
Strontium	220	B	7.1	0.089	mg/Kg	2	☼	6020	Total/NA
Zinc	150	B	14	1.8	mg/Kg	2	☼	6020	Total/NA
Total Organic Carbon - Duplicates	90000		4500	3400	mg/Kg	1	☼	Lloyd Kahn	Total/NA
Gravel	0.0				%	1		D422	Total/NA
Sieve Size 3 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Sand	29.8				%	1		D422	Total/NA
Sieve Size 2 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Coarse Sand	4.3				%	1		D422	Total/NA
Sieve Size 1.5 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Medium Sand	8.1				%	1		D422	Total/NA
Sieve Size 1 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Fine Sand	17.4				%	1		D422	Total/NA
Sieve Size 0.75 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Sieve Size 0.375 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Silt	55.3				%	1		D422	Total/NA
Clay	14.9				%	1		D422	Total/NA
Sieve Size #4 - Percent Finer	100.0				% Passing	1		D422	Total/NA
Sieve Size #10 - Percent Finer	95.7				% Passing	1		D422	Total/NA
Sieve Size #20 - Percent Finer	91.5				% Passing	1		D422	Total/NA
Sieve Size #40 - Percent Finer	87.6				% Passing	1		D422	Total/NA
Sieve Size #60 - Percent Finer	83.4				% Passing	1		D422	Total/NA
Sieve Size #80 - Percent Finer	80.5				% Passing	1		D422	Total/NA
Sieve Size #100 - Percent Finer	78.3				% Passing	1		D422	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SAMPLE SS7 - GRID B12 (Continued) — Lab Sample ID: 240-80352-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sieve Size #200 - Percent Finer	70.2				% Passing	1		D422	Total/NA
Hydrometer Reading 1 - Percent Finer	31.6				% Passing	1		D422	Total/NA
Hydrometer Reading 2 - Percent Finer	26.8				% Passing	1		D422	Total/NA
Hydrometer Reading 3 - Percent Finer	22.0				% Passing	1		D422	Total/NA
Hydrometer Reading 4 - Percent Finer	17.3				% Passing	1		D422	Total/NA
Hydrometer Reading 5 - Percent Finer	14.9				% Passing	1		D422	Total/NA
Hydrometer Reading 6 - Percent Finer	8.9				% Passing	1		D422	Total/NA
Hydrometer Reading 7 - Percent Finer	4.8				% Passing	1		D422	Total/NA

Client Sample ID: SAMPLE SS8 - GRID B5 — Lab Sample ID: 240-80352-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.66	J B	7.3	0.35	ug/Kg	1	☼	8260A	Total/NA
Acenaphthene	11	J	12	1.3	ug/Kg	1	☼	8270C	Total/NA
Acenaphthylene	7.1	J	12	0.61	ug/Kg	1	☼	8270C	Total/NA
Anthracene	28		12	1.4	ug/Kg	1	☼	8270C	Total/NA
Benzo[a]anthracene	74		12	1.1	ug/Kg	1	☼	8270C	Total/NA
Benzo[a]pyrene	80		12	1.1	ug/Kg	1	☼	8270C	Total/NA
Benzo[b]fluoranthene	150		12	1.0	ug/Kg	1	☼	8270C	Total/NA
Benzo[g,h,i]perylene	42		12	0.61	ug/Kg	1	☼	8270C	Total/NA
Benzo[k]fluoranthene	51		12	1.2	ug/Kg	1	☼	8270C	Total/NA
Bis(2-ethylhexyl) phthalate	190	B	120	33	ug/Kg	1	☼	8270C	Total/NA
Chrysene	95		12	1.9	ug/Kg	1	☼	8270C	Total/NA
Dibenzofuran	22	J	87	1.1	ug/Kg	1	☼	8270C	Total/NA
Fluoranthene	200		12	0.95	ug/Kg	1	☼	8270C	Total/NA
Fluorene	14		12	0.92	ug/Kg	1	☼	8270C	Total/NA
Indeno[1,2,3-cd]pyrene	42		12	0.61	ug/Kg	1	☼	8270C	Total/NA
2-Methylnaphthalene	69		12	0.87	ug/Kg	1	☼	8270C	Total/NA
Naphthalene	47		12	1.4	ug/Kg	1	☼	8270C	Total/NA
Phenanthrene	99		12	1.3	ug/Kg	1	☼	8270C	Total/NA
Pyrene	150		12	0.76	ug/Kg	1	☼	8270C	Total/NA
C10-C20	260		85	26	mg/Kg	1	☼	8015B	Total/NA
C20-C34	310		85	26	mg/Kg	1	☼	8015B	Total/NA
4,4'-DDE	4.0	J	8.6	2.0	ug/Kg	1	☼	8081A	Total/NA
Aluminum	4400		23	6.7	mg/Kg	1	☼	6010B	Total/NA
Calcium	20000		570	26	mg/Kg	1	☼	6010B	Total/NA
Iron	15000	B	11	3.7	mg/Kg	1	☼	6010B	Total/NA
Magnesium	1700	B	570	6.0	mg/Kg	1	☼	6010B	Total/NA
Potassium	550	J	570	7.1	mg/Kg	1	☼	6010B	Total/NA
Sodium	150	J	570	22	mg/Kg	1	☼	6010B	Total/NA
Arsenic	9.6		1.1	0.030	mg/Kg	2	☼	6020	Total/NA
Barium	39		1.1	0.25	mg/Kg	2	☼	6020	Total/NA
Cadmium	0.22	J	0.23	0.0043	mg/Kg	2	☼	6020	Total/NA
Chromium	10	B	0.46	0.069	mg/Kg	2	☼	6020	Total/NA
Copper	24	B	0.46	0.11	mg/Kg	2	☼	6020	Total/NA
Lead	30	B	0.23	0.052	mg/Kg	2	☼	6020	Total/NA
Manganese	240	B	1.1	0.14	mg/Kg	2	☼	6020	Total/NA
Nickel	15		0.46	0.045	mg/Kg	2	☼	6020	Total/NA
Strontium	32	B	2.3	0.029	mg/Kg	2	☼	6020	Total/NA
Zinc	100	B	4.6	0.57	mg/Kg	2	☼	6020	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SAMPLE SS8 - GRID B5 (Continued) — Lab Sample ID: 240-80352-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.028	J	0.15	0.027	mg/Kg	1	☼	7471A	Total/NA
Total Organic Carbon - Duplicates	4800		1700	1300	mg/Kg	1	☼	Lloyd Kahn	Total/NA
Gravel	10.8				%	1		D422	Total/NA
Sieve Size 3 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Sand	59.5				%	1		D422	Total/NA
Sieve Size 2 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Coarse Sand	2.7				%	1		D422	Total/NA
Sieve Size 1.5 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Medium Sand	6.9				%	1		D422	Total/NA
Sieve Size 1 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Fine Sand	49.9				%	1		D422	Total/NA
Sieve Size 0.75 inch - Percent Finer	93.7				% Passing	1		D422	Total/NA
Sieve Size 0.375 inch - Percent Finer	92.5				% Passing	1		D422	Total/NA
Silt	17.7				%	1		D422	Total/NA
Clay	12.0				%	1		D422	Total/NA
Sieve Size #4 - Percent Finer	89.2				% Passing	1		D422	Total/NA
Sieve Size #10 - Percent Finer	86.5				% Passing	1		D422	Total/NA
Sieve Size #20 - Percent Finer	83.8				% Passing	1		D422	Total/NA
Sieve Size #40 - Percent Finer	79.6				% Passing	1		D422	Total/NA
Sieve Size #60 - Percent Finer	67.2				% Passing	1		D422	Total/NA
Sieve Size #80 - Percent Finer	52.4				% Passing	1		D422	Total/NA
Sieve Size #100 - Percent Finer	42.8				% Passing	1		D422	Total/NA
Sieve Size #200 - Percent Finer	29.7				% Passing	1		D422	Total/NA
Hydrometer Reading 1 - Percent Finer	27.4				% Passing	1		D422	Total/NA
Hydrometer Reading 2 - Percent Finer	23.8				% Passing	1		D422	Total/NA
Hydrometer Reading 3 - Percent Finer	17.9				% Passing	1		D422	Total/NA
Hydrometer Reading 4 - Percent Finer	14.9				% Passing	1		D422	Total/NA
Hydrometer Reading 5 - Percent Finer	12.0				% Passing	1		D422	Total/NA
Hydrometer Reading 6 - Percent Finer	8.7				% Passing	1		D422	Total/NA
Hydrometer Reading 7 - Percent Finer	7.4				% Passing	1		D422	Total/NA

Client Sample ID: SAMPLE SS9 - GRID C17 — Lab Sample ID: 240-80352-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	400		100	16	ug/Kg	1	☼	8260A	Total/NA
Carbon disulfide	5.0	J	26	1.1	ug/Kg	1	☼	8260A	Total/NA
2-Butanone (MEK)	100		100	6.7	ug/Kg	1	☼	8260A	Total/NA
Methylene Chloride	4.7	J B	26	1.3	ug/Kg	1	☼	8260A	Total/NA
Acenaphthene	260	J	350	40	ug/Kg	10	☼	8270C	Total/NA
Anthracene	670		350	41	ug/Kg	10	☼	8270C	Total/NA
Benzo[a]anthracene	1400		350	33	ug/Kg	10	☼	8270C	Total/NA
Benzo[a]pyrene	1400		350	34	ug/Kg	10	☼	8270C	Total/NA
Benzo[b]fluoranthene	1900		350	31	ug/Kg	10	☼	8270C	Total/NA
Benzo[g,h,i]perylene	670		350	19	ug/Kg	10	☼	8270C	Total/NA
Benzo[k]fluoranthene	850		350	36	ug/Kg	10	☼	8270C	Total/NA
Bis(2-ethylhexyl) phthalate	1800	J B	3700	1000	ug/Kg	10	☼	8270C	Total/NA
Chrysene	1800		350	58	ug/Kg	10	☼	8270C	Total/NA
Fluoranthene	3500		350	29	ug/Kg	10	☼	8270C	Total/NA
Fluorene	270	J	350	28	ug/Kg	10	☼	8270C	Total/NA
Indeno[1,2,3-cd]pyrene	550		350	19	ug/Kg	10	☼	8270C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron Ohio

TestAmerica Job ID: 240-80352-1

Client Sample ID: SAMPLE SS9 - GRID C17 (Continued) — Lab Sample ID: 240-80352-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	410		350	26	ug/Kg	10	☼	8270C	Total/NA
Naphthalene	310	J	350	43	ug/Kg	10	☼	8270C	Total/NA
Phenanthrene	2100		350	39	ug/Kg	10	☼	8270C	Total/NA
Pyrene	3000		350	23	ug/Kg	10	☼	8270C	Total/NA
C10-C20	5400		1300	390	mg/Kg	5	☼	8015B	Total/NA
C20-C34	7200		1300	390	mg/Kg	5	☼	8015B	Total/NA
4,4'-DDE	20	J p	27	6.4	ug/Kg	1	☼	8081A	Total/NA
Aroclor-1254	270		260	74	ug/Kg	1	☼	8082	Total/NA
Aluminum	4800		98	29	mg/Kg	1	☼	6010B	Total/NA
Calcium	78000		2500	110	mg/Kg	1	☼	6010B	Total/NA
Iron	22000	B	49	16	mg/Kg	1	☼	6010B	Total/NA
Magnesium	2700	B	2500	26	mg/Kg	1	☼	6010B	Total/NA
Potassium	580	J	2500	30	mg/Kg	1	☼	6010B	Total/NA
Sodium	670	J	2500	93	mg/Kg	1	☼	6010B	Total/NA
Arsenic	26		4.9	0.13	mg/Kg	2	☼	6020	Total/NA
Barium	200		4.9	1.1	mg/Kg	2	☼	6020	Total/NA
Cadmium	2.0		0.98	0.018	mg/Kg	2	☼	6020	Total/NA
Chromium	42	B	2.0	0.30	mg/Kg	2	☼	6020	Total/NA
Copper	86	B	2.0	0.48	mg/Kg	2	☼	6020	Total/NA
Lead	330	B	0.98	0.22	mg/Kg	2	☼	6020	Total/NA
Manganese	660	B	4.9	0.59	mg/Kg	2	☼	6020	Total/NA
Nickel	23		2.0	0.19	mg/Kg	2	☼	6020	Total/NA
Strontium	100	B	9.8	0.12	mg/Kg	2	☼	6020	Total/NA
Zinc	930	B	20	2.5	mg/Kg	2	☼	6020	Total/NA
Mercury	0.37	J	0.57	0.10	mg/Kg	1	☼	7471A	Total/NA
Total Organic Carbon - Duplicates	210000		5300	3900	mg/Kg	1	☼	Lloyd Kahn	Total/NA
Gravel	0.0				%	1		D422	Total/NA
Sieve Size 3 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Sand	45.2				%	1		D422	Total/NA
Sieve Size 2 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Coarse Sand	21.9				%	1		D422	Total/NA
Sieve Size 1.5 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Medium Sand	8.4				%	1		D422	Total/NA
Sieve Size 1 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Fine Sand	14.9				%	1		D422	Total/NA
Sieve Size 0.75 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Sieve Size 0.375 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Silt	39.9				%	1		D422	Total/NA
Clay	14.9				%	1		D422	Total/NA
Sieve Size #4 - Percent Finer	100.0				% Passing	1		D422	Total/NA
Sieve Size #10 - Percent Finer	78.1				% Passing	1		D422	Total/NA
Sieve Size #20 - Percent Finer	73.7				% Passing	1		D422	Total/NA
Sieve Size #40 - Percent Finer	69.7				% Passing	1		D422	Total/NA
Sieve Size #60 - Percent Finer	64.9				% Passing	1		D422	Total/NA
Sieve Size #80 - Percent Finer	62.4				% Passing	1		D422	Total/NA
Sieve Size #100 - Percent Finer	60.8				% Passing	1		D422	Total/NA
Sieve Size #200 - Percent Finer	54.8				% Passing	1		D422	Total/NA
Hydrometer Reading 1 - Percent Finer	29.2				% Passing	1		D422	Total/NA
Hydrometer Reading 2 - Percent Finer	27.1				% Passing	1		D422	Total/NA
Hydrometer Reading 3 - Percent Finer	21.0				% Passing	1		D422	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SAMPLE SS9 - GRID C17 (Continued) — Lab Sample ID: 240-80352-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Hydrometer Reading 4 - Percent Finer	16.9				% Passing	1		D422	Total/NA
Hydrometer Reading 5 - Percent Finer	14.9				% Passing	1		D422	Total/NA
Hydrometer Reading 6 - Percent Finer	9.7				% Passing	1		D422	Total/NA
Hydrometer Reading 7 - Percent Finer	8.2				% Passing	1		D422	Total/NA

Client Sample ID: SAMPLE SS10 - GRID C52 — Lab Sample ID: 240-80352-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	94		56	8.6	ug/Kg	1	☼	8260A	Total/NA
Carbon disulfide	6.8	J	14	0.59	ug/Kg	1	☼	8260A	Total/NA
2-Butanone (MEK)	18	J	56	3.6	ug/Kg	1	☼	8260A	Total/NA
Methylene Chloride	12	J B	14	0.67	ug/Kg	1	☼	8260A	Total/NA
Acenaphthene	1900		200	23	ug/Kg	10	☼	8270C	Total/NA
Anthracene	5000		200	24	ug/Kg	10	☼	8270C	Total/NA
Benzo[a]anthracene	6500		200	19	ug/Kg	10	☼	8270C	Total/NA
Benzo[a]pyrene	6400		200	20	ug/Kg	10	☼	8270C	Total/NA
Benzo[b]fluoranthene	7800		200	18	ug/Kg	10	☼	8270C	Total/NA
Benzo[g,h,i]perylene	2800		200	11	ug/Kg	10	☼	8270C	Total/NA
Benzo[k]fluoranthene	3200		200	21	ug/Kg	10	☼	8270C	Total/NA
Chrysene	6000		200	34	ug/Kg	10	☼	8270C	Total/NA
Dibenz(a,h)anthracene	730		200	20	ug/Kg	10	☼	8270C	Total/NA
Dibenzofuran	1100	J	1500	20	ug/Kg	10	☼	8270C	Total/NA
Fluoranthene	20000		200	17	ug/Kg	10	☼	8270C	Total/NA
Fluorene	2200		200	16	ug/Kg	10	☼	8270C	Total/NA
Indeno[1,2,3-cd]pyrene	2400		200	11	ug/Kg	10	☼	8270C	Total/NA
2-Methylnaphthalene	470		200	15	ug/Kg	10	☼	8270C	Total/NA
Naphthalene	470		200	25	ug/Kg	10	☼	8270C	Total/NA
Phenanthrene	16000		200	22	ug/Kg	10	☼	8270C	Total/NA
Pyrene	15000		200	13	ug/Kg	10	☼	8270C	Total/NA
C10-C20	1100		150	45	mg/Kg	1	☼	8015B	Total/NA
C20-C34	680		150	45	mg/Kg	1	☼	8015B	Total/NA
4,4'-DDE	4.4	J p	15	3.6	ug/Kg	1	☼	8081A	Total/NA
Aluminum	3400		48	14	mg/Kg	1	☼	6010B	Total/NA
Calcium	56000		1200	56	mg/Kg	1	☼	6010B	Total/NA
Iron	11000	B	24	7.7	mg/Kg	1	☼	6010B	Total/NA
Magnesium	2100	B	1200	13	mg/Kg	1	☼	6010B	Total/NA
Potassium	310	J	1200	15	mg/Kg	1	☼	6010B	Total/NA
Sodium	410	J	1200	46	mg/Kg	1	☼	6010B	Total/NA
Arsenic	14		2.4	0.063	mg/Kg	2	☼	6020	Total/NA
Barium	74		2.4	0.53	mg/Kg	2	☼	6020	Total/NA
Cadmium	0.64		0.48	0.0089	mg/Kg	2	☼	6020	Total/NA
Chromium	9.7	B	0.97	0.15	mg/Kg	2	☼	6020	Total/NA
Copper	27	B	0.97	0.23	mg/Kg	2	☼	6020	Total/NA
Lead	110	B	0.48	0.11	mg/Kg	2	☼	6020	Total/NA
Manganese	500	B	2.4	0.29	mg/Kg	2	☼	6020	Total/NA
Nickel	12		0.97	0.094	mg/Kg	2	☼	6020	Total/NA
Strontium	110	B	4.8	0.060	mg/Kg	2	☼	6020	Total/NA
Zinc	240	B	9.7	1.2	mg/Kg	2	☼	6020	Total/NA
Mercury	0.17	J	0.30	0.054	mg/Kg	1	☼	7471A	Total/NA
Total Organic Carbon - Duplicates	250000		3000	2300	mg/Kg	1	☼	Lloyd Kahn	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SAMPLE SS10 - GRID C52 (Continued) — Lab Sample ID: 240-80352-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Gravel	13.4				%	1		D422	Total/NA
Sieve Size 3 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Sand	63.4				%	1		D422	Total/NA
Sieve Size 2 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Coarse Sand	17.3				%	1		D422	Total/NA
Sieve Size 1.5 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Medium Sand	14.7				%	1		D422	Total/NA
Sieve Size 1 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Fine Sand	31.4				%	1		D422	Total/NA
Sieve Size 0.75 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Sieve Size 0.375 inch - Percent Finer	95.2				% Passing	1		D422	Total/NA
Silt	20.7				%	1		D422	Total/NA
Clay	2.5				%	1		D422	Total/NA
Sieve Size #4 - Percent Finer	86.6				% Passing	1		D422	Total/NA
Sieve Size #10 - Percent Finer	69.3				% Passing	1		D422	Total/NA
Sieve Size #20 - Percent Finer	64.6				% Passing	1		D422	Total/NA
Sieve Size #40 - Percent Finer	54.6				% Passing	1		D422	Total/NA
Sieve Size #60 - Percent Finer	39.2				% Passing	1		D422	Total/NA
Sieve Size #80 - Percent Finer	31.3				% Passing	1		D422	Total/NA
Sieve Size #100 - Percent Finer	28.1				% Passing	1		D422	Total/NA
Sieve Size #200 - Percent Finer	23.2				% Passing	1		D422	Total/NA
Hydrometer Reading 1 - Percent Finer	9.3				% Passing	1		D422	Total/NA
Hydrometer Reading 2 - Percent Finer	5.9				% Passing	1		D422	Total/NA
Hydrometer Reading 3 - Percent Finer	4.8				% Passing	1		D422	Total/NA
Hydrometer Reading 4 - Percent Finer	3.7				% Passing	1		D422	Total/NA
Hydrometer Reading 5 - Percent Finer	2.5				% Passing	1		D422	Total/NA
Hydrometer Reading 6 - Percent Finer	2.0				% Passing	1		D422	Total/NA
Hydrometer Reading 7 - Percent Finer	2.3				% Passing	1		D422	Total/NA

Client Sample ID: SAMPLE SS10DUP - GRID C52 — Lab Sample ID: 240-80352-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Gravel	12.4				%	1		D422	Total/NA
Sieve Size 3 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Sand	60.0				%	1		D422	Total/NA
Sieve Size 2 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Coarse Sand	15.1				%	1		D422	Total/NA
Sieve Size 1.5 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Medium Sand	14.0				%	1		D422	Total/NA
Sieve Size 1 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Fine Sand	30.9				%	1		D422	Total/NA
Sieve Size 0.75 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Sieve Size 0.375 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Silt	25.0				%	1		D422	Total/NA
Clay	2.6				%	1		D422	Total/NA
Sieve Size #4 - Percent Finer	87.6				% Passing	1		D422	Total/NA
Sieve Size #10 - Percent Finer	72.5				% Passing	1		D422	Total/NA
Sieve Size #20 - Percent Finer	68.3				% Passing	1		D422	Total/NA
Sieve Size #40 - Percent Finer	58.5				% Passing	1		D422	Total/NA
Sieve Size #60 - Percent Finer	42.7				% Passing	1		D422	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SAMPLE SS10DUP - GRID C52 (Continued) — Lab Sample ID: 240-80352-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sieve Size #80 - Percent Finer	35.2				% Passing	1		D422	Total/NA
Sieve Size #100 - Percent Finer	32.3				% Passing	1		D422	Total/NA
Sieve Size #200 - Percent Finer	27.6				% Passing	1		D422	Total/NA
Hydrometer Reading 1 - Percent Finer	10.7				% Passing	1		D422	Total/NA
Hydrometer Reading 2 - Percent Finer	4.9				% Passing	1		D422	Total/NA
Hydrometer Reading 3 - Percent Finer	2.6				% Passing	1		D422	Total/NA
Hydrometer Reading 4 - Percent Finer	2.6				% Passing	1		D422	Total/NA
Hydrometer Reading 5 - Percent Finer	2.6				% Passing	1		D422	Total/NA
Hydrometer Reading 6 - Percent Finer	0.9				% Passing	1		D422	Total/NA
Hydrometer Reading 7 - Percent Finer	1.2				% Passing	1		D422	Total/NA

Client Sample ID: SAMPLE SS11 - GRID C75 — Lab Sample ID: 240-80352-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	450		94	14	ug/Kg	1	☼	8260A	Total/NA
Carbon disulfide	5.3	J	23	0.98	ug/Kg	1	☼	8260A	Total/NA
2-Butanone (MEK)	82	J	94	5.9	ug/Kg	1	☼	8260A	Total/NA
Methylene Chloride	2.3	J B	23	1.1	ug/Kg	1	☼	8260A	Total/NA
Benzo[b]fluoranthene	41		36	3.2	ug/Kg	1	☼	8270C	Total/NA
Bis(2-ethylhexyl) phthalate	430	B F2	370	100	ug/Kg	1	☼	8270C	Total/NA
Fluoranthene	63		36	2.9	ug/Kg	1	☼	8270C	Total/NA
Phenol	61	J	270	39	ug/Kg	1	☼	8270C	Total/NA
Pyrene	45		36	2.4	ug/Kg	1	☼	8270C	Total/NA
C10-C20 - RE	200	J	270	80	mg/Kg	1	☼	8015B	Total/NA
C20-C34 - RE	770		270	80	mg/Kg	1	☼	8015B	Total/NA
Aluminum	16000		110	31	mg/Kg	1	☼	6010B	Total/NA
Calcium	22000		2600	120	mg/Kg	1	☼	6010B	Total/NA
Iron	25000	B	53	17	mg/Kg	1	☼	6010B	Total/NA
Magnesium	3100	B	2600	28	mg/Kg	1	☼	6010B	Total/NA
Potassium	1200	J	2600	33	mg/Kg	1	☼	6010B	Total/NA
Sodium	660	J	2600	100	mg/Kg	1	☼	6010B	Total/NA
Arsenic	15		5.3	0.14	mg/Kg	2	☼	6020	Total/NA
Barium	180		5.3	1.2	mg/Kg	2	☼	6020	Total/NA
Cadmium	0.28	J	1.1	0.020	mg/Kg	2	☼	6020	Total/NA
Chromium	23	B	2.1	0.32	mg/Kg	2	☼	6020	Total/NA
Copper	31	B	2.1	0.51	mg/Kg	2	☼	6020	Total/NA
Lead	41	B	1.1	0.24	mg/Kg	2	☼	6020	Total/NA
Manganese	310	B	5.3	0.64	mg/Kg	2	☼	6020	Total/NA
Nickel	35		2.1	0.21	mg/Kg	2	☼	6020	Total/NA
Strontium	47	B	11	0.13	mg/Kg	2	☼	6020	Total/NA
Zinc	150	B	21	2.6	mg/Kg	2	☼	6020	Total/NA
Total Organic Carbon - Duplicates	170000		5300	4000	mg/Kg	1	☼	Lloyd Kahn	Total/NA
Gravel	0.0				%	1		D422	Total/NA
Sieve Size 3 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Sand	24.6				%	1		D422	Total/NA
Sieve Size 2 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Coarse Sand	15.0				%	1		D422	Total/NA
Sieve Size 1.5 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Medium Sand	5.8				%	1		D422	Total/NA
Sieve Size 1 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SAMPLE SS11 - GRID C75 (Continued) — Lab Sample ID: 240-80352-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fine Sand	3.8				%	1		D422	Total/NA
Sieve Size 0.75 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Sieve Size 0.375 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Silt	28.0				%	1		D422	Total/NA
Clay	47.4				%	1		D422	Total/NA
Sieve Size #4 - Percent Finer	100.0				% Passing	1		D422	Total/NA
Sieve Size #10 - Percent Finer	85.0				% Passing	1		D422	Total/NA
Sieve Size #20 - Percent Finer	80.6				% Passing	1		D422	Total/NA
Sieve Size #40 - Percent Finer	79.2				% Passing	1		D422	Total/NA
Sieve Size #60 - Percent Finer	78.1				% Passing	1		D422	Total/NA
Sieve Size #80 - Percent Finer	77.4				% Passing	1		D422	Total/NA
Sieve Size #100 - Percent Finer	76.9				% Passing	1		D422	Total/NA
Sieve Size #200 - Percent Finer	75.4				% Passing	1		D422	Total/NA
Hydrometer Reading 1 - Percent Finer	66.6				% Passing	1		D422	Total/NA
Hydrometer Reading 2 - Percent Finer	62.3				% Passing	1		D422	Total/NA
Hydrometer Reading 3 - Percent Finer	55.9				% Passing	1		D422	Total/NA
Hydrometer Reading 4 - Percent Finer	53.8				% Passing	1		D422	Total/NA
Hydrometer Reading 5 - Percent Finer	47.4				% Passing	1		D422	Total/NA
Hydrometer Reading 6 - Percent Finer	31.4				% Passing	1		D422	Total/NA
Hydrometer Reading 7 - Percent Finer	19.2				% Passing	1		D422	Total/NA

Client Sample ID: SAMPLE SS1 - GRID A50 — Lab Sample ID: 240-80352-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium SEM	0.75		0.13	0.0063	mg/Kg	1		6010C	SEM/AVS
Copper SEM	12	F1	0.63	0.084	mg/Kg	1		6010C	SEM/AVS
Lead SEM	84		0.25	0.077	mg/Kg	1		6010C	SEM/AVS
Nickel SEM	7.2		1.0	0.081	mg/Kg	1		6010C	SEM/AVS
Zinc SEM	290		2.5	0.17	mg/Kg	1		6010C	SEM/AVS
SEM/AVS Ratio	0.070		0.0010	NaN	NONE	1		SEM	SEM/AVS
Acid Volatile Sulfides (AVS)	2400		50	17	mg/Kg	1	☼	9034	SEM/AVS

Client Sample ID: SAMPLE SS2 - GRID A27 — Lab Sample ID: 240-80352-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium SEM	0.82		0.12	0.0062	mg/Kg	1		6010C	SEM/AVS
Copper SEM	5.6		0.62	0.084	mg/Kg	1		6010C	SEM/AVS
Lead SEM	51		0.25	0.076	mg/Kg	1		6010C	SEM/AVS
Nickel SEM	4.9		1.0	0.081	mg/Kg	1		6010C	SEM/AVS
Zinc SEM	240		2.5	0.17	mg/Kg	1		6010C	SEM/AVS
SEM/AVS Ratio	0.049		0.0010	NaN	NONE	1		SEM	SEM/AVS
Acid Volatile Sulfides (AVS)	2700		37	12	mg/Kg	1	☼	9034	SEM/AVS

Client Sample ID: SAMPLE SS3 - GRID A13 — Lab Sample ID: 240-80352-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium SEM	0.20		0.12	0.0062	mg/Kg	1		6010C	SEM/AVS
Copper SEM	2.0		0.62	0.084	mg/Kg	1		6010C	SEM/AVS
Lead SEM	15		0.25	0.076	mg/Kg	1		6010C	SEM/AVS
Nickel SEM	2.1		1.0	0.081	mg/Kg	1		6010C	SEM/AVS

This Detection Summary does not include radiochemical test results.

Client Sample ID: SAMPLE SS3 - GRID A13 (Continued) — Lab Sample ID: 240-80352-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Zinc SEM	78		2.5	0.17	mg/Kg	1		6010C	SEM/AVS
SEM/AVS Ratio	0.073		0.0010	NaN	NONE	1		SEM	SEM/AVS
Acid Volatile Sulfides (AVS)	580		57	19	mg/Kg	1	☼	9034	SEM/AVS

Client Sample ID: SAMPLE SS4 - GRID D77 — Lab Sample ID: 240-80352-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium SEM	1.4		0.13	0.0063	mg/Kg	1		6010C	SEM/AVS
Copper SEM	15		0.63	0.084	mg/Kg	1		6010C	SEM/AVS
Lead SEM	93		0.25	0.077	mg/Kg	1		6010C	SEM/AVS
Nickel SEM	8.7		1.0	0.081	mg/Kg	1		6010C	SEM/AVS
Zinc SEM	760		5.0	0.34	mg/Kg	2		6010C	SEM/AVS
SEM/AVS Ratio	0.11		0.0010	NaN	NONE	1		SEM	SEM/AVS
Acid Volatile Sulfides (AVS)	3600		35	12	mg/Kg	1	☼	9034	SEM/AVS

Client Sample ID: SAMPLE SS5 - GRID B65 — Lab Sample ID: 240-80352-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium SEM	0.22		0.12	0.0062	mg/Kg	1		6010C	SEM/AVS
Copper SEM	1.9		0.62	0.084	mg/Kg	1		6010C	SEM/AVS
Lead SEM	73		0.25	0.076	mg/Kg	1		6010C	SEM/AVS
Nickel SEM	3.6		1.0	0.081	mg/Kg	1		6010C	SEM/AVS
Zinc SEM	210		2.5	0.17	mg/Kg	1		6010C	SEM/AVS
SEM/AVS Ratio	0.10		0.0010	NaN	NONE	1		SEM	SEM/AVS
Acid Volatile Sulfides (AVS)	1200		51	17	mg/Kg	1	☼	9034	SEM/AVS

Client Sample ID: SAMPLE SS6 - GRID B65 — Lab Sample ID: 240-80352-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium SEM	0.044	J	0.12	0.0062	mg/Kg	1		6010C	SEM/AVS
Copper SEM	0.34	J	0.62	0.084	mg/Kg	1		6010C	SEM/AVS
Lead SEM	15		0.25	0.076	mg/Kg	1		6010C	SEM/AVS
Nickel SEM	1.1		1.0	0.081	mg/Kg	1		6010C	SEM/AVS
Zinc SEM	15		2.5	0.17	mg/Kg	1		6010C	SEM/AVS
SEM/AVS Ratio	0.032		0.0010	NaN	NONE	1		SEM	SEM/AVS
Acid Volatile Sulfides (AVS)	330		120	39	mg/Kg	1	☼	9034	SEM/AVS

Client Sample ID: SAMPLE SS7 - GRID B12 — Lab Sample ID: 240-80352-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium SEM	0.11	J	0.12	0.0062	mg/Kg	1		6010C	SEM/AVS
Copper SEM	0.29	J	0.62	0.084	mg/Kg	1		6010C	SEM/AVS
Lead SEM	8.8		0.50	0.15	mg/Kg	2		6010C	SEM/AVS
Nickel SEM	0.90	J	2.0	0.16	mg/Kg	2		6010C	SEM/AVS
Zinc SEM	51		2.5	0.17	mg/Kg	1		6010C	SEM/AVS
SEM/AVS Ratio	0.039		0.0010	NaN	NONE	1		SEM	SEM/AVS
Acid Volatile Sulfides (AVS)	690		48	16	mg/Kg	1	☼	9034	SEM/AVS

Client Sample ID: SAMPLE SS8 - GRID B5 — Lab Sample ID: 240-80352-21

This Detection Summary does not include radiochemical test results.

Client Sample ID: SAMPLE SS8 - GRID B5 (Continued) — Lab Sample ID: 240-80352-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium SEM	0.13		0.13	0.0063	mg/Kg	1		6010C	SEM/AVS
Copper SEM	6.1		0.63	0.084	mg/Kg	1		6010C	SEM/AVS
Lead SEM	15		0.25	0.077	mg/Kg	1		6010C	SEM/AVS
Nickel SEM	3.7		1.0	0.081	mg/Kg	1		6010C	SEM/AVS
Zinc SEM	53		2.5	0.17	mg/Kg	1		6010C	SEM/AVS
SEM/AVS Ratio	0.11		0.0010	NaN	NONE	1		SEM	SEM/AVS
Acid Volatile Sulfides (AVS)	310		24	8.1	mg/Kg	1	☼	9034	SEM/AVS

Client Sample ID: SAMPLE SS9 - GRID C17 — Lab Sample ID: 240-80352-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium SEM	0.38		0.12	0.0062	mg/Kg	1		6010C	SEM/AVS
Copper SEM	4.6		0.62	0.084	mg/Kg	1		6010C	SEM/AVS
Lead SEM	69		0.25	0.076	mg/Kg	1		6010C	SEM/AVS
Nickel SEM	3.0		1.0	0.080	mg/Kg	1		6010C	SEM/AVS
Zinc SEM	180		2.5	0.17	mg/Kg	1		6010C	SEM/AVS
SEM/AVS Ratio	0.055		0.0010	NaN	NONE	1		SEM	SEM/AVS
Acid Volatile Sulfides (AVS)	1800		70	23	mg/Kg	1	☼	9034	SEM/AVS

Client Sample ID: SAMPLE SS10 - GRID C52 — Lab Sample ID: 240-80352-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium SEM	0.035	J	0.12	0.0062	mg/Kg	1		6010C	SEM/AVS
Copper SEM	0.10	J	0.62	0.084	mg/Kg	1		6010C	SEM/AVS
Lead SEM	0.59		0.25	0.076	mg/Kg	1		6010C	SEM/AVS
Nickel SEM	0.41	J	1.0	0.081	mg/Kg	1		6010C	SEM/AVS
Zinc SEM	3.6		2.5	0.17	mg/Kg	1		6010C	SEM/AVS
SEM/AVS Ratio	0.030		0.0010	NaN	NONE	1		SEM	SEM/AVS
Acid Volatile Sulfides (AVS)	71	J	170	57	mg/Kg	1	☼	9034	SEM/AVS

Client Sample ID: SAMPLE SS10DUP - GRID C52 — Lab Sample ID: 240-80352-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium SEM	0.032	J	0.13	0.0063	mg/Kg	1		6010C	SEM/AVS
Copper SEM	0.36	J	0.63	0.084	mg/Kg	1		6010C	SEM/AVS
Lead SEM	0.79		0.25	0.077	mg/Kg	1		6010C	SEM/AVS
Nickel SEM	0.39	J	1.0	0.081	mg/Kg	1		6010C	SEM/AVS
Zinc SEM	4.6		2.5	0.17	mg/Kg	1		6010C	SEM/AVS
SEM/AVS Ratio	0.013		0.0010	NaN	NONE	1		SEM	SEM/AVS
Acid Volatile Sulfides (AVS)	210		180	58	mg/Kg	1	☼	9034	SEM/AVS

Client Sample ID: SAMPLE SS11 - GRID C75 — Lab Sample ID: 240-80352-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium SEM	0.060	J	0.13	0.0063	mg/Kg	1		6010C	SEM/AVS
Copper SEM	1.9		0.63	0.084	mg/Kg	1		6010C	SEM/AVS
Lead SEM	7.5		0.25	0.077	mg/Kg	1		6010C	SEM/AVS
Nickel SEM	2.9		1.0	0.081	mg/Kg	1		6010C	SEM/AVS
Zinc SEM	26		2.5	0.17	mg/Kg	1		6010C	SEM/AVS
SEM/AVS Ratio	0.034		0.0010	NaN	NONE	1		SEM	SEM/AVS

This Detection Summary does not include radiochemical test results.

Client Sample ID: SAMPLE SS11 - GRID C75 (Continued)

Lab Sample ID: 240-80352-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acid Volatile Sulfides (AVS)	500		78	26	mg/Kg	1	☼	9034	SEM/AVS

This Detection Summary does not include radiochemical test results.

Client Sample ID: TRIP BLANK
Date Collected: 06/01/17 08:00
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.23	ug/L			06/15/17 12:37	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.32	ug/L			06/15/17 12:37	1
1,1,2-Trichloroethane	ND		1.0	0.34	ug/L			06/15/17 12:37	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			06/15/17 12:37	1
1,1-Dichloroethene	ND		1.0	0.27	ug/L			06/15/17 12:37	1
1,2,4-Trichlorobenzene	ND		1.0	0.27	ug/L			06/15/17 12:37	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.47	ug/L			06/15/17 12:37	1
1,2-Dichlorobenzene	ND		1.0	0.26	ug/L			06/15/17 12:37	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/15/17 12:37	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/15/17 12:37	1
1,3-Dichlorobenzene	ND		1.0	0.32	ug/L			06/15/17 12:37	1
1,4-Dichlorobenzene	ND		1.0	0.23	ug/L			06/15/17 12:37	1
2-Hexanone	ND		10	1.2	ug/L			06/15/17 12:37	1
Acetone	ND		10	1.8	ug/L			06/15/17 12:37	1
Benzene	ND		1.0	0.28	ug/L			06/15/17 12:37	1
Bromoform	ND		1.0	0.43	ug/L			06/15/17 12:37	1
Bromomethane	ND		1.0	0.42	ug/L			06/15/17 12:37	1
Carbon disulfide	ND		1.0	0.34	ug/L			06/15/17 12:37	1
Carbon tetrachloride	ND		1.0	0.35	ug/L			06/15/17 12:37	1
Chlorobenzene	ND		1.0	0.32	ug/L			06/15/17 12:37	1
Chloroethane	ND		1.0	0.41	ug/L			06/15/17 12:37	1
Chloroform	ND		1.0	0.31	ug/L			06/15/17 12:37	1
Chloromethane	ND		1.0	0.43	ug/L			06/15/17 12:37	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/15/17 12:37	1
cis-1,3-Dichloropropene	ND		1.0	0.26	ug/L			06/15/17 12:37	1
Dichlorobromomethane	ND		1.0	0.30	ug/L			06/15/17 12:37	1
Dichlorodifluoromethane	ND		1.0	0.50	ug/L			06/15/17 12:37	1
Ethylbenzene	ND		1.0	0.26	ug/L			06/15/17 12:37	1
Ethylene Dibromide	ND		1.0	0.23	ug/L			06/15/17 12:37	1
Isopropylbenzene	ND		1.0	0.21	ug/L			06/15/17 12:37	1
2-Butanone (MEK)	ND		10	1.0	ug/L			06/15/17 12:37	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.71	ug/L			06/15/17 12:37	1
Methyl tert-butyl ether	ND		1.0	0.27	ug/L			06/15/17 12:37	1
Methylene Chloride	ND		1.0	0.53	ug/L			06/15/17 12:37	1
Styrene	ND		1.0	0.23	ug/L			06/15/17 12:37	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/15/17 12:37	1
Toluene	ND		1.0	0.23	ug/L			06/15/17 12:37	1
trans-1,2-Dichloroethene	ND		1.0	0.29	ug/L			06/15/17 12:37	1
trans-1,3-Dichloropropene	ND		1.0	0.31	ug/L			06/15/17 12:37	1
Trichloroethene	ND		1.0	0.33	ug/L			06/15/17 12:37	1
Trichlorofluoromethane	ND	*	1.0	0.50	ug/L			06/15/17 12:37	1
Vinyl chloride	ND		1.0	0.45	ug/L			06/15/17 12:37	1
Xylenes, Total	ND		2.0	0.24	ug/L			06/15/17 12:37	1
Chlorodibromomethane	ND		1.0	0.25	ug/L			06/15/17 12:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*124*		*61 - 138*		*06/15/17 12:37*	*1*
4-Bromofluorobenzene (Surr)	*88*		*69 - 120*		*06/15/17 12:37*	*1*
Toluene-d8 (Surr)	*97*		*73 - 120*		*06/15/17 12:37*	*1*

Client Sample ID: TRIP BLANK
Date Collected: 06/01/17 08:00
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-1
Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	120		69 - 124		06/15/17 12:37	1

Client Sample ID: SAMPLE SS1 - GRID A50

Date Collected: 06/01/17 09:50
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-2

Matrix: Solid
Percent Solids: 30.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		17	0.76	ug/Kg	☼	06/06/17 11:43	06/06/17 14:36	1
1,1,2,2-Tetrachloroethane	ND		17	0.86	ug/Kg	☼	06/06/17 11:43	06/06/17 14:36	1
1,1,2-Trichloroethane	ND		17	1.3	ug/Kg	☼	06/06/17 11:43	06/06/17 14:36	1
1,1-Dichloroethane	ND		17	1.1	ug/Kg	☼	06/06/17 11:43	06/06/17 14:36	1
1,1-Dichloroethene	ND		17	1.8	ug/Kg	☼	06/06/17 11:43	06/06/17 14:36	1
1,2,4-Trichlorobenzene	ND		17	0.79	ug/Kg	☼	06/06/17 11:43	06/06/17 14:36	1
1,2-Dibromo-3-Chloropropane	ND		33	2.2	ug/Kg	☼	06/06/17 11:43	06/06/17 14:36	1
1,2-Dichlorobenzene	ND		17	0.73	ug/Kg	☼	06/06/17 11:43	06/06/17 14:36	1
1,2-Dichloroethane	ND		17	0.96	ug/Kg	☼	06/06/17 11:43	06/06/17 14:36	1
1,2-Dichloropropane	ND		17	1.0	ug/Kg	☼	06/06/17 11:43	06/06/17 14:36	1
1,3-Dichlorobenzene	ND		17	0.96	ug/Kg	☼	06/06/17 11:43	06/06/17 14:36	1
1,4-Dichlorobenzene	ND		17	1.2	ug/Kg	☼	06/06/17 11:43	06/06/17 14:36	1
2-Hexanone	ND		66	1.9	ug/Kg	☼	06/06/17 11:43	06/06/17 14:36	1
Acetone	**97**		66	10	ug/Kg	☼	06/06/17 11:43	06/06/17 14:36	1
Benzene	ND		17	1.1	ug/Kg	☼	06/06/17 11:43	06/06/17 14:36	1
Bromoform	ND		17	1.3	ug/Kg	☼	06/06/17 11:43	06/06/17 14:36	1
Bromomethane	ND		33	2.0	ug/Kg	☼	06/06/17 11:43	06/06/17 14:36	1
Carbon disulfide	**1.0**	**J**	17	0.69	ug/Kg	☼	06/06/17 11:43	06/06/17 14:36	1
Carbon tetrachloride	ND		17	0.83	ug/Kg	☼	06/06/17 11:43	06/06/17 14:36	1
Chlorobenzene	ND		17	1.1	ug/Kg	☼	06/06/17 11:43	06/06/17 14:36	1
Chloroethane	ND		33	1.3	ug/Kg	☼	06/06/17 11:43	06/06/17 14:36	1
Chloroform	ND		17	0.76	ug/Kg	☼	06/06/17 11:43	06/06/17 14:36	1
Chloromethane	ND		33	1.3	ug/Kg	☼	06/06/17 11:43	06/06/17 14:36	1
cis-1,2-Dichloroethene	ND		8.3	0.93	ug/Kg	☼	06/06/17 11:43	06/06/17 14:36	1
cis-1,3-Dichloropropene	ND		17	0.86	ug/Kg	☼	06/06/17 11:43	06/06/17 14:36	1
Dichlorobromomethane	ND		17	1.1	ug/Kg	☼	06/06/17 11:43	06/06/17 14:36	1
Dichlorodifluoromethane	ND		33	1.2	ug/Kg	☼	06/06/17 11:43	06/06/17 14:36	1
Ethylbenzene	ND		17	0.89	ug/Kg	☼	06/06/17 11:43	06/06/17 14:36	1
Ethylene Dibromide	ND		17	1.2	ug/Kg	☼	06/06/17 11:43	06/06/17 14:36	1
Isopropylbenzene	ND		17	0.66	ug/Kg	☼	06/06/17 11:43	06/06/17 14:36	1
2-Butanone (MEK)	**22**	**J**	66	4.2	ug/Kg	☼	06/06/17 11:43	06/06/17 14:36	1
4-Methyl-2-pentanone (MIBK)	ND		66	2.9	ug/Kg	☼	06/06/17 11:43	06/06/17 14:36	1
Methyl tert-butyl ether	ND		17	0.89	ug/Kg	☼	06/06/17 11:43	06/06/17 14:36	1
Methylene Chloride	**1.7**	**J B**	17	0.79	ug/Kg	☼	06/06/17 11:43	06/06/17 14:36	1
Styrene	ND		17	0.89	ug/Kg	☼	06/06/17 11:43	06/06/17 14:36	1
Tetrachloroethene	ND		17	1.2	ug/Kg	☼	06/06/17 11:43	06/06/17 14:36	1
Toluene	ND		17	1.1	ug/Kg	☼	06/06/17 11:43	06/06/17 14:36	1
trans-1,2-Dichloroethene	ND		8.3	1.3	ug/Kg	☼	06/06/17 11:43	06/06/17 14:36	1
trans-1,3-Dichloropropene	ND		17	0.69	ug/Kg	☼	06/06/17 11:43	06/06/17 14:36	1
Trichloroethene	ND		17	1.4	ug/Kg	☼	06/06/17 11:43	06/06/17 14:36	1
Trichlorofluoromethane	ND		33	0.79	ug/Kg	☼	06/06/17 11:43	06/06/17 14:36	1
Vinyl chloride	ND		33	0.93	ug/Kg	☼	06/06/17 11:43	06/06/17 14:36	1
Xylenes, Total	ND		17	1.3	ug/Kg	☼	06/06/17 11:43	06/06/17 14:36	1
Chlorodibromomethane	ND		17	0.99	ug/Kg	☼	06/06/17 11:43	06/06/17 14:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*81*		*61 - 127*	*06/06/17 11:43*	*06/06/17 14:36*	*1*
4-Bromofluorobenzene (Surr)	*127*		*61 - 132*	*06/06/17 11:43*	*06/06/17 14:36*	*1*
Toluene-d8 (Surr)	*84*		*66 - 125*	*06/06/17 11:43*	*06/06/17 14:36*	*1*

Client Sample ID: SAMPLE SS1 - GRID A50

Date Collected: 06/01/17 09:50
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-2
Matrix: Solid
Percent Solids: 30.1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	*87*		*43 - 131*	*06/06/17 11:43*	*06/06/17 14:36*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**230**		150	17	ug/Kg	☼	06/06/17 08:39	06/08/17 15:06	6.66666
Acenaphthylene	**94**	**J**	150	7.8	ug/Kg	☼	06/06/17 08:39	06/08/17 15:06	6.66666
Acetophenone	ND		2200	200	ug/Kg	☼	06/06/17 08:39	06/08/17 15:06	6.66666
Anthracene	**470**		150	17	ug/Kg	☼	06/06/17 08:39	06/08/17 15:06	6.66666
Benzo[a]anthracene	**1600**		150	14	ug/Kg	☼	06/06/17 08:39	06/08/17 15:06	6.66666
Benzo[a]pyrene	**1800**		150	14	ug/Kg	☼	06/06/17 08:39	06/08/17 15:06	6.66666
Benzo[b]fluoranthene	**3200**		150	13	ug/Kg	☼	06/06/17 08:39	06/08/17 15:06	6.66666
Benzo[g,h,i]perylene	**750**	**F1**	150	7.8	ug/Kg	☼	06/06/17 08:39	06/08/17 15:06	6.66666
Benzo[k]fluoranthene	**1300**		150	15	ug/Kg	☼	06/06/17 08:39	06/08/17 15:06	6.66666
Bis(2-chloroethoxy)methane	ND		2200	490	ug/Kg	☼	06/06/17 08:39	06/08/17 15:06	6.66666
Bis(2-chloroethyl)ether	ND		2200	44	ug/Kg	☼	06/06/17 08:39	06/08/17 15:06	6.66666
bis (2-chloroisopropyl) ether	ND		2200	210	ug/Kg	☼	06/06/17 08:39	06/08/17 15:06	6.66666
Bis(2-ethylhexyl) phthalate	**6600**	**F1**	1600	420	ug/Kg	☼	06/06/17 08:39	06/08/17 15:06	6.66666
4-Bromophenyl phenyl ether	ND		1100	290	ug/Kg	☼	06/06/17 08:39	06/08/17 15:06	6.66666
Butyl benzyl phthalate	ND		1600	220	ug/Kg	☼	06/06/17 08:39	06/08/17 15:06	6.66666
4-Chloroaniline	ND		3300	380	ug/Kg	☼	06/06/17 08:39	06/08/17 15:06	6.66666
4-Chloro-3-methylphenol	ND		3300	470	ug/Kg	☼	06/06/17 08:39	06/08/17 15:06	6.66666
2-Chloronaphthalene	ND		1100	10	ug/Kg	☼	06/06/17 08:39	06/08/17 15:06	6.66666
2-Chlorophenol	ND		1100	180	ug/Kg	☼	06/06/17 08:39	06/08/17 15:06	6.66666
4-Chlorophenyl phenyl ether	ND		1100	290	ug/Kg	☼	06/06/17 08:39	06/08/17 15:06	6.66666
Chrysene	**2200**		150	24	ug/Kg	☼	06/06/17 08:39	06/08/17 15:06	6.66666
Dibenz(a,h)anthracene	ND		150	15	ug/Kg	☼	06/06/17 08:39	06/08/17 15:06	6.66666
Dibenzofuran	**220**	**J**	1100	15	ug/Kg	☼	06/06/17 08:39	06/08/17 15:06	6.66666
3,3'-Dichlorobenzidine	ND		2200	400	ug/Kg	☼	06/06/17 08:39	06/08/17 15:06	6.66666
2,4-Dichlorophenol	ND		3300	440	ug/Kg	☼	06/06/17 08:39	06/08/17 15:06	6.66666
Diethyl phthalate	ND		1600	350	ug/Kg	☼	06/06/17 08:39	06/08/17 15:06	6.66666
2,4-Dimethylphenol	ND		3300	440	ug/Kg	☼	06/06/17 08:39	06/08/17 15:06	6.66666
Dimethyl phthalate	ND		1600	380	ug/Kg	☼	06/06/17 08:39	06/08/17 15:06	6.66666
Di-n-butyl phthalate	ND		1600	330	ug/Kg	☼	06/06/17 08:39	06/08/17 15:06	6.66666
4,6-Dinitro-2-methylphenol	ND		3300	200	ug/Kg	☼	06/06/17 08:39	06/08/17 15:06	6.66666
2,4-Dinitrophenol	ND	F1	7300	470	ug/Kg	☼	06/06/17 08:39	06/08/17 15:06	6.66666
2,4-Dinitrotoluene	ND		4400	380	ug/Kg	☼	06/06/17 08:39	06/08/17 15:06	6.66666
2,6-Dinitrotoluene	ND		4400	470	ug/Kg	☼	06/06/17 08:39	06/08/17 15:06	6.66666
Di-n-octyl phthalate	ND	F1	1600	170	ug/Kg	☼	06/06/17 08:39	06/08/17 15:06	6.66666
Fluoranthene	**4500**	**F1**	150	12	ug/Kg	☼	06/06/17 08:39	06/08/17 15:06	6.66666
Fluorene	**230**		150	12	ug/Kg	☼	06/06/17 08:39	06/08/17 15:06	6.66666
Hexachlorobenzene	ND		150	47	ug/Kg	☼	06/06/17 08:39	06/08/17 15:06	6.66666
Hexachlorobutadiene	ND		1100	120	ug/Kg	☼	06/06/17 08:39	06/08/17 15:06	6.66666
Hexachlorocyclopentadiene	ND	F1	7300	180	ug/Kg	☼	06/06/17 08:39	06/08/17 15:06	6.66666
Hexachloroethane	ND	F1	1100	200	ug/Kg	☼	06/06/17 08:39	06/08/17 15:06	6.66666
Indeno[1,2,3-cd]pyrene	**690**	**F1**	150	7.8	ug/Kg	☼	06/06/17 08:39	06/08/17 15:06	6.66666
Isophorone	ND		1100	290	ug/Kg	☼	06/06/17 08:39	06/08/17 15:06	6.66666
2-Methylnaphthalene	**850**		150	11	ug/Kg	☼	06/06/17 08:39	06/08/17 15:06	6.66666
2-Methylphenol	ND		4400	240	ug/Kg	☼	06/06/17 08:39	06/08/17 15:06	6.66666
3 & 4 Methylphenol	ND		8900	440	ug/Kg	☼	06/06/17 08:39	06/08/17 15:06	6.66666

Client Sample ID: SAMPLE SS1 - GRID A50

Date Collected: 06/01/17 09:50
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-2

Matrix: Solid
Percent Solids: 30.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**590**		150	18	ug/Kg	☼	06/06/17 08:39	06/08/17 15:06	6.66666
2-Nitroaniline	ND		4400	200	ug/Kg	☼	06/06/17 08:39	06/08/17 15:06	6.66666
3-Nitroaniline	ND		4400	350	ug/Kg	☼	06/06/17 08:39	06/08/17 15:06	6.66666
4-Nitroaniline	ND		4400	580	ug/Kg	☼	06/06/17 08:39	06/08/17 15:06	6.66666
Nitrobenzene	ND		2200	49	ug/Kg	☼	06/06/17 08:39	06/08/17 15:06	6.66666
2-Nitrophenol	ND		1100	180	ug/Kg	☼	06/06/17 08:39	06/08/17 15:06	6.66666
4-Nitrophenol	ND		7300	380	ug/Kg	☼	06/06/17 08:39	06/08/17 15:06	6.66666
N-Nitrosodi-n-propylamine	ND		1100	140	ug/Kg	☼	06/06/17 08:39	06/08/17 15:06	6.66666
N-Nitrosodiphenylamine	**980**	**J**	1100	470	ug/Kg	☼	06/06/17 08:39	06/08/17 15:06	6.66666
Pentachlorophenol	ND		3300	200	ug/Kg	☼	06/06/17 08:39	06/08/17 15:06	6.66666
Phenanthrene	**1900**		150	16	ug/Kg	☼	06/06/17 08:39	06/08/17 15:06	6.66666
Phenol	ND		1100	160	ug/Kg	☼	06/06/17 08:39	06/08/17 15:06	6.66666
Pyrene	**3600**		150	9.7	ug/Kg	☼	06/06/17 08:39	06/08/17 15:06	6.66666
2,4,5-Trichlorophenol	ND		3300	550	ug/Kg	☼	06/06/17 08:39	06/08/17 15:06	6.66666
2,4,6-Trichlorophenol	ND		3300	200	ug/Kg	☼	06/06/17 08:39	06/08/17 15:06	6.66666

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*76*		*32 - 120*	*06/06/17 08:39*	*06/08/17 15:06*	*6.66666*
2-Fluorophenol (Surr)	*73*		*29 - 120*	*06/06/17 08:39*	*06/08/17 15:06*	*6.66666*
Nitrobenzene-d5 (Surr)	*68*		*30 - 120*	*06/06/17 08:39*	*06/08/17 15:06*	*6.66666*
Phenol-d5 (Surr)	*79*		*29 - 120*	*06/06/17 08:39*	*06/08/17 15:06*	*6.66666*
Terphenyl-d14 (Surr)	*78*		*41 - 120*	*06/06/17 08:39*	*06/08/17 15:06*	*6.66666*
2,4,6-Tribromophenol (Surr)	*94*		*10 - 120*	*06/06/17 08:39*	*06/08/17 15:06*	*6.66666*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C20	**3100**		830	250	mg/Kg	☼	06/09/17 10:51	06/13/17 18:19	5
C20-C34	**3700**		830	250	mg/Kg	☼	06/09/17 10:51	06/13/17 18:19	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*63*		*40 - 160*	*06/09/17 10:51*	*06/13/17 18:19*	*5*

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		17	8.1	ug/Kg	☼	06/06/17 09:50	06/09/17 16:21	1
alpha-BHC	ND		17	5.4	ug/Kg	☼	06/06/17 09:50	06/09/17 16:21	1
alpha-Chlordane	**18**		17	13	ug/Kg	☼	06/06/17 09:50	06/09/17 16:21	1
beta-BHC	ND		17	13	ug/Kg	☼	06/06/17 09:50	06/09/17 16:21	1
4,4'-DDD	ND		17	11	ug/Kg	☼	06/06/17 09:50	06/09/17 16:21	1
4,4'-DDE	**12**	**J p**	17	4.0	ug/Kg	☼	06/06/17 09:50	06/09/17 16:21	1
4,4'-DDT	ND	F1	17	4.7	ug/Kg	☼	06/06/17 09:50	06/09/17 16:21	1
delta-BHC	ND	F1	17	4.4	ug/Kg	☼	06/06/17 09:50	06/09/17 16:21	1
Dieldrin	ND		17	3.0	ug/Kg	☼	06/06/17 09:50	06/09/17 16:21	1
Endosulfan I	ND		17	4.4	ug/Kg	☼	06/06/17 09:50	06/09/17 16:21	1
Endosulfan II	ND		17	6.0	ug/Kg	☼	06/06/17 09:50	06/09/17 16:21	1
Endosulfan sulfate	ND	F1 F2	17	4.0	ug/Kg	☼	06/06/17 09:50	06/09/17 16:21	1
Endrin	ND		17	4.7	ug/Kg	☼	06/06/17 09:50	06/09/17 16:21	1
Endrin aldehyde	ND		340	120	ug/Kg	☼	06/06/17 09:50	06/12/17 18:58	20
Endrin ketone	ND		17	3.7	ug/Kg	☼	06/06/17 09:50	06/09/17 16:21	1
gamma-BHC (Lindane)	ND		17	9.7	ug/Kg	☼	06/06/17 09:50	06/09/17 16:21	1

Client Sample ID: SAMPLE SS1 - GRID A50

Date Collected: 06/01/17 09:50
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-2

Matrix: Solid
Percent Solids: 30.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-Chlordane	**16**	**J**	17	5.0	ug/Kg	☼	06/06/17 09:50	06/09/17 16:21	1
Heptachlor	ND		17	2.6	ug/Kg	☼	06/06/17 09:50	06/09/17 16:21	1
Heptachlor epoxide	ND		17	8.1	ug/Kg	☼	06/06/17 09:50	06/09/17 16:21	1
Methoxychlor	ND		33	4.0	ug/Kg	☼	06/06/17 09:50	06/09/17 16:21	1
Toxaphene	ND		340	120	ug/Kg	☼	06/06/17 09:50	06/09/17 16:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*108*		*13 - 135*	*06/06/17 09:50*	*06/09/17 16:21*	*1*
DCB Decachlorobiphenyl	*159*	*X*	*13 - 135*	*06/06/17 09:50*	*06/09/17 16:21*	*1*
DCB Decachlorobiphenyl	*125*		*13 - 135*	*06/06/17 09:50*	*06/12/17 18:58*	*20*
DCB Decachlorobiphenyl	*358*	*X*	*13 - 135*	*06/06/17 09:50*	*06/12/17 18:58*	*20*
Tetrachloro-m-xylene	*77*		*30 - 120*	*06/06/17 09:50*	*06/09/17 16:21*	*1*
Tetrachloro-m-xylene	*81*		*30 - 120*	*06/06/17 09:50*	*06/09/17 16:21*	*1*
Tetrachloro-m-xylene	*116*		*30 - 120*	*06/06/17 09:50*	*06/12/17 18:58*	*20*
Tetrachloro-m-xylene	*77*		*30 - 120*	*06/06/17 09:50*	*06/12/17 18:58*	*20*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		170	81	ug/Kg	☼	06/06/17 09:31	06/07/17 19:19	1
Aroclor-1221	ND		170	77	ug/Kg	☼	06/06/17 09:31	06/07/17 19:19	1
Aroclor-1232	ND		170	54	ug/Kg	☼	06/06/17 09:31	06/07/17 19:19	1
Aroclor-1242	ND		170	67	ug/Kg	☼	06/06/17 09:31	06/07/17 19:19	1
Aroclor-1248	ND		170	57	ug/Kg	☼	06/06/17 09:31	06/07/17 19:19	1
Aroclor-1254	**440**		170	47	ug/Kg	☼	06/06/17 09:31	06/07/17 19:19	1
Aroclor-1260	ND		170	60	ug/Kg	☼	06/06/17 09:31	06/07/17 19:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*80*		*14 - 128*	*06/06/17 09:31*	*06/07/17 19:19*	*1*
DCB Decachlorobiphenyl	*90*		*10 - 132*	*06/06/17 09:31*	*06/07/17 19:19*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	ND		800	100	ug/Kg	☼	06/09/17 08:29	06/13/17 17:08	1
Silvex (2,4,5-TP)	ND		200	20	ug/Kg	☼	06/09/17 08:29	06/13/17 17:08	1
2,4,5-T	ND		200	23	ug/Kg	☼	06/09/17 08:29	06/13/17 17:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*28*		*19 - 120*	*06/09/17 08:29*	*06/13/17 17:08*	*1*
2,4-Dichlorophenylacetic acid	*28*		*19 - 120*	*06/09/17 08:29*	*06/13/17 17:08*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7500**		59	17	mg/Kg	☼	06/06/17 11:24	06/07/17 13:55	1
Calcium	**39000**	**F1**	1500	68	mg/Kg	☼	06/06/17 11:24	06/07/17 13:55	1
Iron	**30000**	**B**	30	9.5	mg/Kg	☼	06/06/17 11:24	06/07/17 13:55	1
Magnesium	**8100**	**B**	1500	15	mg/Kg	☼	06/06/17 11:24	06/07/17 13:55	1
Potassium	**670**	**J**	1500	18	mg/Kg	☼	06/06/17 11:24	06/07/17 13:55	1
Selenium	**1.4**	**J**	1.5	1.0	mg/Kg	☼	06/06/17 11:24	06/07/17 13:55	1
Sodium	**410**	**J**	1500	56	mg/Kg	☼	06/06/17 11:24	06/07/17 13:55	1

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron Ohio

TestAmerica Job ID: 240-80352-1

Client Sample ID: SAMPLE SS1 - GRID A50
Date Collected: 06/01/17 09:50
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-2
Matrix: Solid
Percent Solids: 30.1

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	38		3.0	0.077	mg/Kg	☼	06/06/17 11:24	06/09/17 01:40	2
Barium	180		3.0	0.65	mg/Kg	☼	06/06/17 11:24	06/09/17 01:40	2
Cadmium	3.8		0.59	0.011	mg/Kg	☼	06/06/17 11:24	06/09/17 01:40	2
Chromium	64	B	1.2	0.18	mg/Kg	☼	06/06/17 11:24	06/09/17 01:40	2
Copper	130	B	1.2	0.29	mg/Kg	☼	06/06/17 11:24	06/09/17 01:40	2
Lead	310	B	0.59	0.13	mg/Kg	☼	06/06/17 11:24	06/09/17 22:01	2
Manganese	470	B	3.0	0.36	mg/Kg	☼	06/06/17 11:24	06/09/17 01:40	2
Nickel	41		1.2	0.12	mg/Kg	☼	06/06/17 11:24	06/09/17 01:40	2
Strontium	78	B	5.9	0.074	mg/Kg	☼	06/06/17 11:24	06/09/17 01:40	2
Zinc	1100	F1 B	12	1.5	mg/Kg	☼	06/06/17 11:24	06/09/17 01:40	2

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.80		0.34	0.062	mg/Kg	☼	06/06/17 16:00	06/07/17 11:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Duplicates	45000	F1	3300	2500	mg/Kg	☼		06/13/17 14:41	1
Percent Solids	30.1		0.1	0.1	%			06/05/17 08:34	1
Percent Moisture	69.9		0.1	0.1	%			06/05/17 08:34	1

Method: D422 - Grain Size

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gravel	0.0				%			06/06/17 21:31	1
Sieve Size 3 inch - Percent Finer	100.0				% Passing			06/06/17 21:31	1
Sand	18.7				%			06/06/17 21:31	1
Sieve Size 2 inch - Percent Finer	100.0				% Passing			06/06/17 21:31	1
Coarse Sand	1.3				%			06/06/17 21:31	1
Sieve Size 1.5 inch - Percent Finer	100.0				% Passing			06/06/17 21:31	1
Medium Sand	5.8				%			06/06/17 21:31	1
Sieve Size 1 inch - Percent Finer	100.0				% Passing			06/06/17 21:31	1
Fine Sand	11.6				%			06/06/17 21:31	1
Sieve Size 0.75 inch - Percent Finer	100.0				% Passing			06/06/17 21:31	1
Sieve Size 0.375 inch - Percent Finer	100.0				% Passing			06/06/17 21:31	1
Silt	68.3				%			06/06/17 21:31	1
Clay	13.0				%			06/06/17 21:31	1
Sieve Size #4 - Percent Finer	100.0				% Passing			06/06/17 21:31	1
Sieve Size #10 - Percent Finer	98.7				% Passing			06/06/17 21:31	1
Sieve Size #20 - Percent Finer	96.0				% Passing			06/06/17 21:31	1
Sieve Size #40 - Percent Finer	92.9				% Passing			06/06/17 21:31	1
Sieve Size #60 - Percent Finer	90.9				% Passing			06/06/17 21:31	1
Sieve Size #80 - Percent Finer	89.3				% Passing			06/06/17 21:31	1
Sieve Size #100 - Percent Finer	88.0				% Passing			06/06/17 21:31	1
Sieve Size #200 - Percent Finer	81.3				% Passing			06/06/17 21:31	1
Hydrometer Reading 1 - Percent Finer	51.3				% Passing			06/06/17 21:31	1
Hydrometer Reading 2 - Percent Finer	39.1				% Passing			06/06/17 21:31	1

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron Ohio

TestAmerica Job ID: 240-80352-1

Client Sample ID: SAMPLE SS1 - GRID A50
Date Collected: 06/01/17 09:50
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-2
Matrix: Solid
Percent Solids: 30.1

Method: D422 - Grain Size (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hydrometer Reading 3 - Percent Finer	23.5				% Passing			06/06/17 21:31	1
Hydrometer Reading 4 - Percent Finer	16.5				% Passing			06/06/17 21:31	1
Hydrometer Reading 5 - Percent Finer	13.0				% Passing			06/06/17 21:31	1
Hydrometer Reading 6 - Percent Finer	7.5				% Passing			06/06/17 21:31	1
Hydrometer Reading 7 - Percent Finer	5.8				% Passing			06/06/17 21:31	1

Client Sample ID: SAMPLE SS2 - GRID A27

Date Collected: 06/01/17 10:49
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-3

Matrix: Solid
Percent Solids: 40.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		12	0.54	ug/Kg	☼	06/06/17 11:43	06/06/17 14:58	1
1,1,1-Trichloroethane	ND		970	45	ug/Kg	☼	06/05/17 11:17	06/07/17 18:07	1
1,1,2,2-Tetrachloroethane	ND		99	5.1	ug/Kg	☼	06/06/17 11:43	06/06/17 18:54	1
1,1,2,2-Tetrachloroethane	ND		970	50	ug/Kg	☼	06/05/17 11:17	06/07/17 18:07	1
1,1,2-Trichloroethane	ND		12	0.92	ug/Kg	☼	06/06/17 11:43	06/06/17 14:58	1
1,1,2-Trichloroethane	ND		970	76	ug/Kg	☼	06/05/17 11:17	06/07/17 18:07	1
1,1-Dichloroethane	ND		12	0.78	ug/Kg	☼	06/06/17 11:43	06/06/17 14:58	1
1,1-Dichloroethane	ND		970	64	ug/Kg	☼	06/05/17 11:17	06/07/17 18:07	1
1,1-Dichloroethene	ND		12	1.3	ug/Kg	☼	06/06/17 11:43	06/06/17 14:58	1
1,1-Dichloroethene	ND		970	100	ug/Kg	☼	06/05/17 11:17	06/07/17 18:07	1
1,2,4-Trichlorobenzene	ND		99	4.7	ug/Kg	☼	06/06/17 11:43	06/06/17 18:54	1
1,2,4-Trichlorobenzene	ND		970	46	ug/Kg	☼	06/05/17 11:17	06/07/17 18:07	1
1,2-Dibromo-3-Chloropropane	ND		200	13	ug/Kg	☼	06/06/17 11:43	06/06/17 18:54	1
1,2-Dibromo-3-Chloropropane	ND		1900	130	ug/Kg	☼	06/05/17 11:17	06/07/17 18:07	1
1,2-Dichlorobenzene	ND		99	4.3	ug/Kg	☼	06/06/17 11:43	06/06/17 18:54	1
1,2-Dichlorobenzene	ND		970	43	ug/Kg	☼	06/05/17 11:17	06/07/17 18:07	1
1,2-Dichloroethane	ND		12	0.69	ug/Kg	☼	06/06/17 11:43	06/06/17 14:58	1
1,2-Dichloroethane	ND		970	56	ug/Kg	☼	06/05/17 11:17	06/07/17 18:07	1
1,2-Dichloropropane	ND		12	0.73	ug/Kg	☼	06/06/17 11:43	06/06/17 14:58	1
1,2-Dichloropropane	ND		970	60	ug/Kg	☼	06/05/17 11:17	06/07/17 18:07	1
1,3-Dichlorobenzene	ND		99	5.7	ug/Kg	☼	06/06/17 11:43	06/06/17 18:54	1
1,3-Dichlorobenzene	ND		970	56	ug/Kg	☼	06/05/17 11:17	06/07/17 18:07	1
1,4-Dichlorobenzene	ND		99	6.9	ug/Kg	☼	06/06/17 11:43	06/06/17 18:54	1
1,4-Dichlorobenzene	ND		970	68	ug/Kg	☼	06/05/17 11:17	06/07/17 18:07	1
2-Hexanone	ND		47	1.4	ug/Kg	☼	06/06/17 11:43	06/06/17 14:58	1
2-Hexanone	ND		3900	110	ug/Kg	☼	06/05/17 11:17	06/07/17 18:07	1
Acetone	**170**		47	7.2	ug/Kg	☼	06/06/17 11:43	06/06/17 14:58	1
Acetone	ND		3900	590	ug/Kg	☼	06/05/17 11:17	06/07/17 18:07	1
Benzene	ND		12	0.76	ug/Kg	☼	06/06/17 11:43	06/06/17 14:58	1
Benzene	ND		970	62	ug/Kg	☼	06/05/17 11:17	06/07/17 18:07	1
Bromoform	ND		12	0.95	ug/Kg	☼	06/06/17 11:43	06/06/17 14:58	1
Bromoform	ND		970	77	ug/Kg	☼	06/05/17 11:17	06/07/17 18:07	1
Bromomethane	ND		24	1.4	ug/Kg	☼	06/06/17 11:43	06/06/17 14:58	1
Bromomethane	ND		1900	110	ug/Kg	☼	06/05/17 11:17	06/07/17 18:07	1
Carbon disulfide	**2.7**	**J**	12	0.50	ug/Kg	☼	06/06/17 11:43	06/06/17 14:58	1
Carbon disulfide	ND		970	41	ug/Kg	☼	06/05/17 11:17	06/07/17 18:07	1
Carbon tetrachloride	ND		12	0.59	ug/Kg	☼	06/06/17 11:43	06/06/17 14:58	1
Carbon tetrachloride	ND		970	48	ug/Kg	☼	06/05/17 11:17	06/07/17 18:07	1
Chlorobenzene	ND		12	0.78	ug/Kg	☼	06/06/17 11:43	06/06/17 14:58	1
Chlorobenzene	ND		970	64	ug/Kg	☼	06/05/17 11:17	06/07/17 18:07	1
Chloroethane	ND		24	0.90	ug/Kg	☼	06/06/17 11:43	06/06/17 14:58	1
Chloroethane	ND		1900	74	ug/Kg	☼	06/05/17 11:17	06/07/17 18:07	1
Chloroform	ND		12	0.54	ug/Kg	☼	06/06/17 11:43	06/06/17 14:58	1
Chloroform	ND		970	45	ug/Kg	☼	06/05/17 11:17	06/07/17 18:07	1
Chloromethane	ND		24	0.90	ug/Kg	☼	06/06/17 11:43	06/06/17 14:58	1
Chloromethane	ND		1900	74	ug/Kg	☼	06/05/17 11:17	06/07/17 18:07	1
cis-1,2-Dichloroethene	**0.72**	**J**	5.9	0.66	ug/Kg	☼	06/06/17 11:43	06/06/17 14:58	1
cis-1,2-Dichloroethene	ND		480	54	ug/Kg	☼	06/05/17 11:17	06/07/17 18:07	1
cis-1,3-Dichloropropene	ND		12	0.62	ug/Kg	☼	06/06/17 11:43	06/06/17 14:58	1

Client Sample ID: SAMPLE SS2 - GRID A27
Date Collected: 06/01/17 10:49
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-3
Matrix: Solid
Percent Solids: 40.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		970	50	ug/Kg	☼	06/05/17 11:17	06/07/17 18:07	1
Dichlorobromomethane	ND		12	0.78	ug/Kg	☼	06/06/17 11:43	06/06/17 14:58	1
Dichlorobromomethane	ND		970	64	ug/Kg	☼	06/05/17 11:17	06/07/17 18:07	1
Dichlorodifluoromethane	ND		24	0.83	ug/Kg	☼	06/06/17 11:43	06/06/17 14:58	1
Dichlorodifluoromethane	ND		1900	68	ug/Kg	☼	06/05/17 11:17	06/07/17 18:07	1
Ethylbenzene	ND		12	0.64	ug/Kg	☼	06/06/17 11:43	06/06/17 14:58	1
Ethylbenzene	ND		970	52	ug/Kg	☼	06/05/17 11:17	06/07/17 18:07	1
Ethylene Dibromide	ND		12	0.83	ug/Kg	☼	06/06/17 11:43	06/06/17 14:58	1
Ethylene Dibromide	ND		970	68	ug/Kg	☼	06/05/17 11:17	06/07/17 18:07	1
Isopropylbenzene	**1.7**	**J**	12	0.47	ug/Kg	☼	06/06/17 11:43	06/06/17 14:58	1
Isopropylbenzene	ND		970	39	ug/Kg	☼	06/05/17 11:17	06/07/17 18:07	1
2-Butanone (MEK)	**43**	**J**	47	3.0	ug/Kg	☼	06/06/17 11:43	06/06/17 14:58	1
2-Butanone (MEK)	ND		3900	250	ug/Kg	☼	06/05/17 11:17	06/07/17 18:07	1
4-Methyl-2-pentanone (MIBK)	ND		47	2.1	ug/Kg	☼	06/06/17 11:43	06/06/17 14:58	1
4-Methyl-2-pentanone (MIBK)	ND		3900	170	ug/Kg	☼	06/05/17 11:17	06/07/17 18:07	1
Methyl tert-butyl ether	ND		12	0.64	ug/Kg	☼	06/06/17 11:43	06/06/17 14:58	1
Methyl tert-butyl ether	ND		970	52	ug/Kg	☼	06/05/17 11:17	06/07/17 18:07	1
Methylene Chloride	ND		12	0.57	ug/Kg	☼	06/06/17 11:43	06/06/17 14:58	1
Methylene Chloride	**460**	**J B**	970	46	ug/Kg	☼	06/05/17 11:17	06/07/17 18:07	1
Styrene	ND		12	0.64	ug/Kg	☼	06/06/17 11:43	06/06/17 14:58	1
Styrene	ND		970	52	ug/Kg	☼	06/05/17 11:17	06/07/17 18:07	1
Tetrachloroethene	ND		12	0.88	ug/Kg	☼	06/06/17 11:43	06/06/17 14:58	1
Tetrachloroethene	ND		970	72	ug/Kg	☼	06/05/17 11:17	06/07/17 18:07	1
Toluene	ND		12	0.81	ug/Kg	☼	06/06/17 11:43	06/06/17 14:58	1
Toluene	ND		970	66	ug/Kg	☼	06/05/17 11:17	06/07/17 18:07	1
trans-1,2-Dichloroethene	ND		5.9	0.90	ug/Kg	☼	06/06/17 11:43	06/06/17 14:58	1
trans-1,2-Dichloroethene	ND		480	74	ug/Kg	☼	06/05/17 11:17	06/07/17 18:07	1
trans-1,3-Dichloropropene	ND		12	0.50	ug/Kg	☼	06/06/17 11:43	06/06/17 14:58	1
trans-1,3-Dichloropropene	ND		970	41	ug/Kg	☼	06/05/17 11:17	06/07/17 18:07	1
Trichloroethene	ND		12	0.97	ug/Kg	☼	06/06/17 11:43	06/06/17 14:58	1
Trichloroethene	ND		970	79	ug/Kg	☼	06/05/17 11:17	06/07/17 18:07	1
Trichlorofluoromethane	ND		24	0.57	ug/Kg	☼	06/06/17 11:43	06/06/17 14:58	1
Trichlorofluoromethane	ND		1900	46	ug/Kg	☼	06/05/17 11:17	06/07/17 18:07	1
Vinyl chloride	ND		24	0.66	ug/Kg	☼	06/06/17 11:43	06/06/17 14:58	1
Vinyl chloride	ND		1900	54	ug/Kg	☼	06/05/17 11:17	06/07/17 18:07	1
Xylenes, Total	**5.8**	**J**	12	0.95	ug/Kg	☼	06/06/17 11:43	06/06/17 14:58	1
Xylenes, Total	ND		970	77	ug/Kg	☼	06/05/17 11:17	06/07/17 18:07	1
Chlorodibromomethane	ND		12	0.71	ug/Kg	☼	06/06/17 11:43	06/06/17 14:58	1
Chlorodibromomethane	ND		970	58	ug/Kg	☼	06/05/17 11:17	06/07/17 18:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*82*		*61 - 127*	*06/06/17 11:43*	*06/06/17 14:58*	*1*
1,2-Dichloroethane-d4 (Surr)	*76*		*61 - 127*	*06/06/17 11:43*	*06/06/17 18:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*73*		*61 - 127*	*06/05/17 11:17*	*06/07/17 18:07*	*1*
4-Bromofluorobenzene (Surr)	*177*	*X **	*61 - 132*	*06/06/17 11:43*	*06/06/17 14:58*	*1*
4-Bromofluorobenzene (Surr)	*143*	*X*	*61 - 132*	*06/06/17 11:43*	*06/06/17 18:54*	*1*
4-Bromofluorobenzene (Surr)	*57*	*X*	*61 - 132*	*06/05/17 11:17*	*06/07/17 18:07*	*1*
Toluene-d8 (Surr)	*91*		*66 - 125*	*06/06/17 11:43*	*06/06/17 14:58*	*1*
Toluene-d8 (Surr)	*84*		*66 - 125*	*06/06/17 11:43*	*06/06/17 18:54*	*1*
Toluene-d8 (Surr)	*46*	*X*	*66 - 125*	*06/05/17 11:17*	*06/07/17 18:07*	*1*

Client Sample ID: SAMPLE SS2 - GRID A27

Date Collected: 06/01/17 10:49
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-3

Matrix: Solid
Percent Solids: 40.4

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	*87*		*43 - 131*	*06/06/17 11:43*	*06/06/17 14:58*	*1*
Dibromofluoromethane (Surr)	*81*		*43 - 131*	*06/06/17 11:43*	*06/06/17 18:54*	*1*
Dibromofluoromethane (Surr)	*68*		*43 - 131*	*06/05/17 11:17*	*06/07/17 18:07*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**420**		330	38	ug/Kg	☼	06/05/17 09:24	06/07/17 18:09	20
Acenaphthylene	ND		330	17	ug/Kg	☼	06/05/17 09:24	06/07/17 18:09	20
Acetophenone	ND		5000	460	ug/Kg	☼	06/05/17 09:24	06/07/17 18:09	20
Anthracene	**880**		330	39	ug/Kg	☼	06/05/17 09:24	06/07/17 18:09	20
Benzo[a]anthracene	**950**		330	31	ug/Kg	☼	06/05/17 09:24	06/07/17 18:09	20
Benzo[a]pyrene	**960**		330	32	ug/Kg	☼	06/05/17 09:24	06/07/17 18:09	20
Benzo[b]fluoranthene	**1400**		330	29	ug/Kg	☼	06/05/17 09:24	06/07/17 18:09	20
Benzo[g,h,i]perylene	**540**		330	17	ug/Kg	☼	06/05/17 09:24	06/07/17 18:09	20
Benzo[k]fluoranthene	**500**		330	34	ug/Kg	☼	06/05/17 09:24	06/07/17 18:09	20
Bis(2-chloroethoxy)methane	ND		5000	1100	ug/Kg	☼	06/05/17 09:24	06/07/17 18:09	20
Bis(2-chloroethyl)ether	ND		5000	99	ug/Kg	☼	06/05/17 09:24	06/07/17 18:09	20
bis (2-chloroisopropyl) ether	ND		5000	470	ug/Kg	☼	06/05/17 09:24	06/07/17 18:09	20
Bis(2-ethylhexyl) phthalate	**12000**	**B**	3500	940	ug/Kg	☼	06/05/17 09:24	06/07/17 18:09	20
4-Bromophenyl phenyl ether	ND		2500	650	ug/Kg	☼	06/05/17 09:24	06/07/17 18:09	20
Butyl benzyl phthalate	ND		3500	500	ug/Kg	☼	06/05/17 09:24	06/07/17 18:09	20
4-Chloroaniline	ND		7500	850	ug/Kg	☼	06/05/17 09:24	06/07/17 18:09	20
4-Chloro-3-methylphenol	ND		7500	1000	ug/Kg	☼	06/05/17 09:24	06/07/17 18:09	20
2-Chloronaphthalene	ND		2500	22	ug/Kg	☼	06/05/17 09:24	06/07/17 18:09	20
2-Chlorophenol	ND		2500	410	ug/Kg	☼	06/05/17 09:24	06/07/17 18:09	20
4-Chlorophenyl phenyl ether	ND		2500	650	ug/Kg	☼	06/05/17 09:24	06/07/17 18:09	20
Chrysene	**1600**		330	55	ug/Kg	☼	06/05/17 09:24	06/07/17 18:09	20
Dibenz(a,h)anthracene	ND		330	33	ug/Kg	☼	06/05/17 09:24	06/07/17 18:09	20
Dibenzofuran	ND		2500	33	ug/Kg	☼	06/05/17 09:24	06/07/17 18:09	20
3,3'-Dichlorobenzidine	ND		5000	900	ug/Kg	☼	06/05/17 09:24	06/07/17 18:09	20
2,4-Dichlorophenol	ND		7500	990	ug/Kg	☼	06/05/17 09:24	06/07/17 18:09	20
Diethyl phthalate	ND		3500	800	ug/Kg	☼	06/05/17 09:24	06/07/17 18:09	20
2,4-Dimethylphenol	ND		7500	990	ug/Kg	☼	06/05/17 09:24	06/07/17 18:09	20
Dimethyl phthalate	ND		3500	850	ug/Kg	☼	06/05/17 09:24	06/07/17 18:09	20
Di-n-butyl phthalate	ND		3500	750	ug/Kg	☼	06/05/17 09:24	06/07/17 18:09	20
4,6-Dinitro-2-methylphenol	ND		7500	460	ug/Kg	☼	06/05/17 09:24	06/07/17 18:09	20
2,4-Dinitrophenol	ND		16000	1000	ug/Kg	☼	06/05/17 09:24	06/07/17 18:09	20
2,4-Dinitrotoluene	ND		9900	850	ug/Kg	☼	06/05/17 09:24	06/07/17 18:09	20
2,6-Dinitrotoluene	ND		9900	1000	ug/Kg	☼	06/05/17 09:24	06/07/17 18:09	20
Di-n-octyl phthalate	ND		3500	390	ug/Kg	☼	06/05/17 09:24	06/07/17 18:09	20
Fluoranthene	**2800**		330	27	ug/Kg	☼	06/05/17 09:24	06/07/17 18:09	20
Fluorene	**560**		330	26	ug/Kg	☼	06/05/17 09:24	06/07/17 18:09	20
Hexachlorobenzene	ND		330	100	ug/Kg	☼	06/05/17 09:24	06/07/17 18:09	20
Hexachlorobutadiene	ND		2500	280	ug/Kg	☼	06/05/17 09:24	06/07/17 18:09	20
Hexachlorocyclopentadiene	ND		16000	400	ug/Kg	☼	06/05/17 09:24	06/07/17 18:09	20
Hexachloroethane	ND		2500	450	ug/Kg	☼	06/05/17 09:24	06/07/17 18:09	20
Indeno[1,2,3-cd]pyrene	**370**		330	17	ug/Kg	☼	06/05/17 09:24	06/07/17 18:09	20
Isophorone	ND		2500	650	ug/Kg	☼	06/05/17 09:24	06/07/17 18:09	20
2-Methylnaphthalene	**750**		330	25	ug/Kg	☼	06/05/17 09:24	06/07/17 18:09	20

Client Sample ID: SAMPLE SS2 - GRID A27

Date Collected: 06/01/17 10:49
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-3

Matrix: Solid
Percent Solids: 40.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		9900	550	ug/Kg	☼	06/05/17 09:24	06/07/17 18:09	20
3 & 4 Methylphenol	ND		20000	990	ug/Kg	☼	06/05/17 09:24	06/07/17 18:09	20
Naphthalene	**470**		330	41	ug/Kg	☼	06/05/17 09:24	06/07/17 18:09	20
2-Nitroaniline	ND		9900	450	ug/Kg	☼	06/05/17 09:24	06/07/17 18:09	20
3-Nitroaniline	ND		9900	800	ug/Kg	☼	06/05/17 09:24	06/07/17 18:09	20
4-Nitroaniline	ND		9900	1300	ug/Kg	☼	06/05/17 09:24	06/07/17 18:09	20
Nitrobenzene	ND		5000	110	ug/Kg	☼	06/05/17 09:24	06/07/17 18:09	20
2-Nitrophenol	ND		2500	410	ug/Kg	☼	06/05/17 09:24	06/07/17 18:09	20
4-Nitrophenol	ND		16000	850	ug/Kg	☼	06/05/17 09:24	06/07/17 18:09	20
N-Nitrosodi-n-propylamine	ND		2500	310	ug/Kg	☼	06/05/17 09:24	06/07/17 18:09	20
N-Nitrosodiphenylamine	ND		2500	1000	ug/Kg	☼	06/05/17 09:24	06/07/17 18:09	20
Pentachlorophenol	ND		7500	450	ug/Kg	☼	06/05/17 09:24	06/07/17 18:09	20
Phenanthrene	**3100**		330	36	ug/Kg	☼	06/05/17 09:24	06/07/17 18:09	20
Phenol	ND		2500	360	ug/Kg	☼	06/05/17 09:24	06/07/17 18:09	20
Pyrene	**3100**		330	22	ug/Kg	☼	06/05/17 09:24	06/07/17 18:09	20
2,4,5-Trichlorophenol	ND		7500	1200	ug/Kg	☼	06/05/17 09:24	06/07/17 18:09	20
2,4,6-Trichlorophenol	ND		7500	440	ug/Kg	☼	06/05/17 09:24	06/07/17 18:09	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*93*		*32 - 120*	*06/05/17 09:24*	*06/07/17 18:09*	*20*
2-Fluorophenol (Surr)	*92*		*29 - 120*	*06/05/17 09:24*	*06/07/17 18:09*	*20*
Nitrobenzene-d5 (Surr)	*88*		*30 - 120*	*06/05/17 09:24*	*06/07/17 18:09*	*20*
Phenol-d5 (Surr)	*90*		*29 - 120*	*06/05/17 09:24*	*06/07/17 18:09*	*20*
Terphenyl-d14 (Surr)	*90*		*41 - 120*	*06/05/17 09:24*	*06/07/17 18:09*	*20*
2,4,6-Tribromophenol (Surr)	*96*		*10 - 120*	*06/05/17 09:24*	*06/07/17 18:09*	*20*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C20	**1700**		1200	370	mg/Kg	☼	06/09/17 10:51	06/13/17 20:35	10
C20-C34	**6000**		1200	370	mg/Kg	☼	06/09/17 10:51	06/13/17 20:35	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*74*		*40 - 160*	*06/09/17 10:51*	*06/13/17 20:35*	*10*

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		63	29	ug/Kg	☼	06/06/17 09:50	06/12/17 17:16	5
alpha-BHC	ND		63	20	ug/Kg	☼	06/06/17 09:50	06/12/17 17:16	5
alpha-Chlordane	ND		63	47	ug/Kg	☼	06/06/17 09:50	06/12/17 17:16	5
beta-BHC	ND		63	48	ug/Kg	☼	06/06/17 09:50	06/12/17 17:16	5
4,4'-DDD	ND		630	400	ug/Kg	☼	06/06/17 09:50	06/12/17 20:14	50
4,4'-DDE	ND		630	150	ug/Kg	☼	06/06/17 09:50	06/12/17 20:14	50
4,4'-DDT	ND		63	17	ug/Kg	☼	06/06/17 09:50	06/12/17 17:16	5
delta-BHC	ND		63	16	ug/Kg	☼	06/06/17 09:50	06/12/17 17:16	5
Dieldrin	ND		63	11	ug/Kg	☼	06/06/17 09:50	06/12/17 17:16	5
Endosulfan I	ND		630	160	ug/Kg	☼	06/06/17 09:50	06/12/17 20:14	50
Endosulfan II	ND		63	22	ug/Kg	☼	06/06/17 09:50	06/12/17 17:16	5
Endosulfan sulfate	ND		63	15	ug/Kg	☼	06/06/17 09:50	06/12/17 17:16	5
Endrin	ND		63	17	ug/Kg	☼	06/06/17 09:50	06/12/17 17:16	5
Endrin aldehyde	ND		630	220	ug/Kg	☼	06/06/17 09:50	06/12/17 20:14	50

Client Sample ID: SAMPLE SS2 - GRID A27

Date Collected: 06/01/17 10:49
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-3

Matrix: Solid
Percent Solids: 40.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin ketone	ND		63	13	ug/Kg	☼	06/06/17 09:50	06/12/17 17:16	5
gamma-BHC (Lindane)	ND		63	36	ug/Kg	☼	06/06/17 09:50	06/12/17 17:16	5
gamma-Chlordane	ND		63	18	ug/Kg	☼	06/06/17 09:50	06/12/17 17:16	5
Heptachlor	ND		63	9.6	ug/Kg	☼	06/06/17 09:50	06/12/17 17:16	5
Heptachlor epoxide	ND		63	29	ug/Kg	☼	06/06/17 09:50	06/12/17 17:16	5
Methoxychlor	ND		120	15	ug/Kg	☼	06/06/17 09:50	06/12/17 17:16	5
Toxaphene	ND		1200	450	ug/Kg	☼	06/06/17 09:50	06/12/17 17:16	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*187*	*X*	*13 - 135*	*06/06/17 09:50*	*06/12/17 17:16*	*5*
DCB Decachlorobiphenyl	*197*	*X*	*13 - 135*	*06/06/17 09:50*	*06/12/17 17:16*	*5*
DCB Decachlorobiphenyl	*72*	*p*	*13 - 135*	*06/06/17 09:50*	*06/12/17 20:14*	*50*
DCB Decachlorobiphenyl	*207*	*X*	*13 - 135*	*06/06/17 09:50*	*06/12/17 20:14*	*50*
Tetrachloro-m-xylene	*83*		*30 - 120*	*06/06/17 09:50*	*06/12/17 17:16*	*5*
Tetrachloro-m-xylene	*120*		*30 - 120*	*06/06/17 09:50*	*06/12/17 17:16*	*5*
Tetrachloro-m-xylene	*275*	*X*	*30 - 120*	*06/06/17 09:50*	*06/12/17 20:14*	*50*
Tetrachloro-m-xylene	*113*	*p*	*30 - 120*	*06/06/17 09:50*	*06/12/17 20:14*	*50*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		120	59	ug/Kg	☼	06/05/17 08:38	06/07/17 08:41	1
Aroclor-1221	ND		120	56	ug/Kg	☼	06/05/17 08:38	06/07/17 08:41	1
Aroclor-1232	ND		120	39	ug/Kg	☼	06/05/17 08:38	06/07/17 08:41	1
Aroclor-1242	ND		120	49	ug/Kg	☼	06/05/17 08:38	06/07/17 08:41	1
Aroclor-1248	ND		120	42	ug/Kg	☼	06/05/17 08:38	06/07/17 08:41	1
Aroclor-1254	**630**		120	34	ug/Kg	☼	06/05/17 08:38	06/07/17 08:41	1
Aroclor-1260	ND		120	44	ug/Kg	☼	06/05/17 08:38	06/07/17 08:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*91*		*14 - 128*	*06/05/17 08:38*	*06/07/17 08:41*	*1*
DCB Decachlorobiphenyl	*136*	*X*	*10 - 132*	*06/05/17 08:38*	*06/07/17 08:41*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	ND		590	74	ug/Kg	☼	06/09/17 08:29	06/13/17 18:42	1
Silvex (2,4,5-TP)	ND		150	15	ug/Kg	☼	06/09/17 08:29	06/13/17 18:42	1
2,4,5-T	ND		150	17	ug/Kg	☼	06/09/17 08:29	06/13/17 18:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*35*		*19 - 120*	*06/09/17 08:29*	*06/13/17 18:42*	*1*
2,4-Dichlorophenylacetic acid	*35*		*19 - 120*	*06/09/17 08:29*	*06/13/17 18:42*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4700**		40	11	mg/Kg	☼	06/06/17 11:24	06/07/17 19:42	1
Calcium	**20000**		990	46	mg/Kg	☼	06/06/17 11:24	06/07/17 19:42	1
Iron	**18000**	**B**	20	6.3	mg/Kg	☼	06/06/17 11:24	06/07/17 19:42	1
Magnesium	**2400**	**B**	990	10	mg/Kg	☼	06/06/17 11:24	06/07/17 19:42	1
Potassium	**460**	**J**	990	12	mg/Kg	☼	06/06/17 11:24	06/07/17 19:42	1
Selenium	**0.70**	**J**	0.99	0.67	mg/Kg	☼	06/06/17 11:24	06/07/17 19:42	1
Sodium	**350**	**J**	990	38	mg/Kg	☼	06/06/17 11:24	06/07/17 19:42	1

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	21		2.0	0.051	mg/Kg	☼	06/06/17 11:24	06/09/17 02:05	2
Barium	100		2.0	0.44	mg/Kg	☼	06/06/17 11:24	06/09/17 02:05	2
Cadmium	1.8		0.40	0.0073	mg/Kg	☼	06/06/17 11:24	06/09/17 02:05	2
Chromium	57	B	0.79	0.12	mg/Kg	☼	06/06/17 11:24	06/09/17 02:05	2
Copper	85	B	0.79	0.19	mg/Kg	☼	06/06/17 11:24	06/09/17 02:05	2
Lead	160	B	0.40	0.089	mg/Kg	☼	06/06/17 11:24	06/09/17 22:34	2
Manganese	240	B	2.0	0.24	mg/Kg	☼	06/06/17 11:24	06/09/17 02:05	2
Nickel	22		0.79	0.077	mg/Kg	☼	06/06/17 11:24	06/09/17 02:05	2
Strontium	45	B	4.0	0.049	mg/Kg	☼	06/06/17 11:24	06/09/17 02:05	2
Zinc	660	B	7.9	0.99	mg/Kg	☼	06/06/17 11:24	06/09/17 02:05	2

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.38		0.24	0.044	mg/Kg	☼	06/06/17 16:00	06/07/17 11:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Duplicates	73000		2500	1800	mg/Kg	☼		06/13/17 15:22	1
Percent Solids	40.4		0.1	0.1	%			06/05/17 08:34	1
Percent Moisture	59.6		0.1	0.1	%			06/05/17 08:34	1

Method: D422 - Grain Size

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gravel	7.6				%			06/06/17 21:38	1
Sieve Size 3 inch - Percent Finer	100.0				% Passing			06/06/17 21:38	1
Sand	54.9				%			06/06/17 21:38	1
Sieve Size 2 inch - Percent Finer	100.0				% Passing			06/06/17 21:38	1
Coarse Sand	5.1				%			06/06/17 21:38	1
Sieve Size 1.5 inch - Percent Finer	100.0				% Passing			06/06/17 21:38	1
Medium Sand	16.2				%			06/06/17 21:38	1
Sieve Size 1 inch - Percent Finer	100.0				% Passing			06/06/17 21:38	1
Fine Sand	33.6				%			06/06/17 21:38	1
Sieve Size 0.75 inch - Percent Finer	100.0				% Passing			06/06/17 21:38	1
Sieve Size 0.375 inch - Percent Finer	97.5				% Passing			06/06/17 21:38	1
Silt	29.0				%			06/06/17 21:38	1
Clay	8.5				%			06/06/17 21:38	1
Sieve Size #4 - Percent Finer	92.4				% Passing			06/06/17 21:38	1
Sieve Size #10 - Percent Finer	87.3				% Passing			06/06/17 21:38	1
Sieve Size #20 - Percent Finer	82.7				% Passing			06/06/17 21:38	1
Sieve Size #40 - Percent Finer	71.1				% Passing			06/06/17 21:38	1
Sieve Size #60 - Percent Finer	53.4				% Passing			06/06/17 21:38	1
Sieve Size #80 - Percent Finer	45.6				% Passing			06/06/17 21:38	1
Sieve Size #100 - Percent Finer	42.7				% Passing			06/06/17 21:38	1
Sieve Size #200 - Percent Finer	37.5				% Passing			06/06/17 21:38	1
Hydrometer Reading 1 - Percent Finer	25.5				% Passing			06/06/17 21:38	1
Hydrometer Reading 2 - Percent Finer	20.2				% Passing			06/06/17 21:38	1
Hydrometer Reading 3 - Percent Finer	12.4				% Passing			06/06/17 21:38	1
Hydrometer Reading 4 - Percent Finer	9.8				% Passing			06/06/17 21:38	1
Hydrometer Reading 5 - Percent Finer	8.5				% Passing			06/06/17 21:38	1

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron Ohio

TestAmerica Job ID: 240-80352-1

Client Sample ID: SAMPLE SS2 - GRID A27
Date Collected: 06/01/17 10:49
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-3
Matrix: Solid
Percent Solids: 40.4

Method: D422 - Grain Size (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hydrometer Reading 6 - Percent Finer	5.7				% Passing			06/06/17 21:38	1
Hydrometer Reading 7 - Percent Finer	4.4				% Passing			06/06/17 21:38	1

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron Ohio

TestAmerica Job ID: 240-80352-1

Client Sample ID: SAMPLE SS3 - GRID A13
Date Collected: 06/01/17 11:30
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-4
Matrix: Solid
Percent Solids: 26.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		16	0.75	ug/Kg	☼	06/06/17 11:43	06/06/17 19:15	1
1,1,2,2-Tetrachloroethane	ND		16	0.84	ug/Kg	☼	06/06/17 11:43	06/06/17 19:15	1
1,1,2-Trichloroethane	ND		16	1.3	ug/Kg	☼	06/06/17 11:43	06/06/17 19:15	1
1,1-Dichloroethane	ND		16	1.1	ug/Kg	☼	06/06/17 11:43	06/06/17 19:15	1
1,1-Dichloroethene	ND		16	1.8	ug/Kg	☼	06/06/17 11:43	06/06/17 19:15	1
1,2,4-Trichlorobenzene	ND		16	0.78	ug/Kg	☼	06/06/17 11:43	06/06/17 19:15	1
1,2-Dibromo-3-Chloropropane	ND		32	2.2	ug/Kg	☼	06/06/17 11:43	06/06/17 19:15	1
1,2-Dichlorobenzene	ND		16	0.71	ug/Kg	☼	06/06/17 11:43	06/06/17 19:15	1
1,2-Dichloroethane	ND		16	0.94	ug/Kg	☼	06/06/17 11:43	06/06/17 19:15	1
1,2-Dichloropropane	ND		16	1.0	ug/Kg	☼	06/06/17 11:43	06/06/17 19:15	1
1,3-Dichlorobenzene	ND		16	0.94	ug/Kg	☼	06/06/17 11:43	06/06/17 19:15	1
1,4-Dichlorobenzene	ND		16	1.1	ug/Kg	☼	06/06/17 11:43	06/06/17 19:15	1
2-Hexanone	ND		65	1.9	ug/Kg	☼	06/06/17 11:43	06/06/17 19:15	1
Acetone	**42**	**J**	65	9.9	ug/Kg	☼	06/06/17 11:43	06/06/17 19:15	1
Benzene	ND		16	1.0	ug/Kg	☼	06/06/17 11:43	06/06/17 19:15	1
Bromoform	ND		16	1.3	ug/Kg	☼	06/06/17 11:43	06/06/17 19:15	1
Bromomethane	ND		32	1.9	ug/Kg	☼	06/06/17 11:43	06/06/17 19:15	1
Carbon disulfide	**1.8**	**J**	16	0.68	ug/Kg	☼	06/06/17 11:43	06/06/17 19:15	1
Carbon tetrachloride	ND		16	0.81	ug/Kg	☼	06/06/17 11:43	06/06/17 19:15	1
Chlorobenzene	ND		16	1.1	ug/Kg	☼	06/06/17 11:43	06/06/17 19:15	1
Chloroethane	ND		32	1.2	ug/Kg	☼	06/06/17 11:43	06/06/17 19:15	1
Chloroform	ND		16	0.75	ug/Kg	☼	06/06/17 11:43	06/06/17 19:15	1
Chloromethane	ND		32	1.2	ug/Kg	☼	06/06/17 11:43	06/06/17 19:15	1
cis-1,2-Dichloroethene	ND		8.1	0.91	ug/Kg	☼	06/06/17 11:43	06/06/17 19:15	1
cis-1,3-Dichloropropene	ND		16	0.84	ug/Kg	☼	06/06/17 11:43	06/06/17 19:15	1
Dichlorobromomethane	ND		16	1.1	ug/Kg	☼	06/06/17 11:43	06/06/17 19:15	1
Dichlorodifluoromethane	ND		32	1.1	ug/Kg	☼	06/06/17 11:43	06/06/17 19:15	1
Ethylbenzene	ND		16	0.88	ug/Kg	☼	06/06/17 11:43	06/06/17 19:15	1
Ethylene Dibromide	ND		16	1.1	ug/Kg	☼	06/06/17 11:43	06/06/17 19:15	1
Isopropylbenzene	ND		16	0.65	ug/Kg	☼	06/06/17 11:43	06/06/17 19:15	1
2-Butanone (MEK)	**16**	**J**	65	4.1	ug/Kg	☼	06/06/17 11:43	06/06/17 19:15	1
4-Methyl-2-pentanone (MIBK)	ND		65	2.9	ug/Kg	☼	06/06/17 11:43	06/06/17 19:15	1
Methyl tert-butyl ether	ND		16	0.88	ug/Kg	☼	06/06/17 11:43	06/06/17 19:15	1
Methylene Chloride	**1.8**	**J B**	16	0.78	ug/Kg	☼	06/06/17 11:43	06/06/17 19:15	1
Styrene	ND		16	0.88	ug/Kg	☼	06/06/17 11:43	06/06/17 19:15	1
Tetrachloroethene	ND		16	1.2	ug/Kg	☼	06/06/17 11:43	06/06/17 19:15	1
Toluene	ND		16	1.1	ug/Kg	☼	06/06/17 11:43	06/06/17 19:15	1
trans-1,2-Dichloroethene	ND		8.1	1.2	ug/Kg	☼	06/06/17 11:43	06/06/17 19:15	1
trans-1,3-Dichloropropene	ND		16	0.68	ug/Kg	☼	06/06/17 11:43	06/06/17 19:15	1
Trichloroethene	ND		16	1.3	ug/Kg	☼	06/06/17 11:43	06/06/17 19:15	1
Trichlorofluoromethane	ND		32	0.78	ug/Kg	☼	06/06/17 11:43	06/06/17 19:15	1
Vinyl chloride	ND		32	0.91	ug/Kg	☼	06/06/17 11:43	06/06/17 19:15	1
Xylenes, Total	ND		16	1.3	ug/Kg	☼	06/06/17 11:43	06/06/17 19:15	1
Chlorodibromomethane	ND		16	0.97	ug/Kg	☼	06/06/17 11:43	06/06/17 19:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*75*		*61 - 127*	*06/06/17 11:43*	*06/06/17 19:15*	*1*
4-Bromofluorobenzene (Surr)	*114*		*61 - 132*	*06/06/17 11:43*	*06/06/17 19:15*	*1*
Toluene-d8 (Surr)	*84*		*66 - 125*	*06/06/17 11:43*	*06/06/17 19:15*	*1*

Client Sample ID: SAMPLE SS3 - GRID A13

Date Collected: 06/01/17 11:30
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-4

Matrix: Solid
Percent Solids: 26.5

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	*80*		*43 - 131*	*06/06/17 11:43*	*06/06/17 19:15*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		25	2.8	ug/Kg	☼	06/05/17 09:24	06/07/17 14:11	1
Acenaphthylene	ND		25	1.3	ug/Kg	☼	06/05/17 09:24	06/07/17 14:11	1
Acetophenone	ND		370	34	ug/Kg	☼	06/05/17 09:24	06/07/17 14:11	1
Anthracene	ND		25	2.9	ug/Kg	☼	06/05/17 09:24	06/07/17 14:11	1
Benzo[a]anthracene	**40**		25	2.3	ug/Kg	☼	06/05/17 09:24	06/07/17 14:11	1
Benzo[a]pyrene	**52**		25	2.4	ug/Kg	☼	06/05/17 09:24	06/07/17 14:11	1
Benzo[b]fluoranthene	ND		25	2.2	ug/Kg	☼	06/05/17 09:24	06/07/17 14:11	1
Benzo[g,h,i]perylene	**36**		25	1.3	ug/Kg	☼	06/05/17 09:24	06/07/17 14:11	1
Benzo[k]fluoranthene	ND		25	2.5	ug/Kg	☼	06/05/17 09:24	06/07/17 14:11	1
Bis(2-chloroethoxy)methane	ND		370	82	ug/Kg	☼	06/05/17 09:24	06/07/17 14:11	1
Bis(2-chloroethyl)ether	ND		370	7.4	ug/Kg	☼	06/05/17 09:24	06/07/17 14:11	1
bis (2-chloroisopropyl) ether	ND		370	35	ug/Kg	☼	06/05/17 09:24	06/07/17 14:11	1
Bis(2-ethylhexyl) phthalate	**190**	**J B**	260	71	ug/Kg	☼	06/05/17 09:24	06/07/17 14:11	1
4-Bromophenyl phenyl ether	ND		190	48	ug/Kg	☼	06/05/17 09:24	06/07/17 14:11	1
Butyl benzyl phthalate	ND		260	37	ug/Kg	☼	06/05/17 09:24	06/07/17 14:11	1
4-Chloroaniline	ND		560	63	ug/Kg	☼	06/05/17 09:24	06/07/17 14:11	1
4-Chloro-3-methylphenol	ND		560	78	ug/Kg	☼	06/05/17 09:24	06/07/17 14:11	1
2-Chloronaphthalene	ND		190	1.7	ug/Kg	☼	06/05/17 09:24	06/07/17 14:11	1
2-Chlorophenol	ND		190	30	ug/Kg	☼	06/05/17 09:24	06/07/17 14:11	1
4-Chlorophenyl phenyl ether	ND		190	48	ug/Kg	☼	06/05/17 09:24	06/07/17 14:11	1
Chrysene	**51**		25	4.1	ug/Kg	☼	06/05/17 09:24	06/07/17 14:11	1
Dibenz(a,h)anthracene	ND		25	2.5	ug/Kg	☼	06/05/17 09:24	06/07/17 14:11	1
Dibenzofuran	ND		190	2.5	ug/Kg	☼	06/05/17 09:24	06/07/17 14:11	1
3,3'-Dichlorobenzidine	ND		370	67	ug/Kg	☼	06/05/17 09:24	06/07/17 14:11	1
2,4-Dichlorophenol	ND		560	74	ug/Kg	☼	06/05/17 09:24	06/07/17 14:11	1
Diethyl phthalate	ND		260	59	ug/Kg	☼	06/05/17 09:24	06/07/17 14:11	1
2,4-Dimethylphenol	ND		560	74	ug/Kg	☼	06/05/17 09:24	06/07/17 14:11	1
Dimethyl phthalate	ND		260	63	ug/Kg	☼	06/05/17 09:24	06/07/17 14:11	1
Di-n-butyl phthalate	ND		260	56	ug/Kg	☼	06/05/17 09:24	06/07/17 14:11	1
4,6-Dinitro-2-methylphenol	ND		560	34	ug/Kg	☼	06/05/17 09:24	06/07/17 14:11	1
2,4-Dinitrophenol	ND		1200	78	ug/Kg	☼	06/05/17 09:24	06/07/17 14:11	1
2,4-Dinitrotoluene	ND		740	63	ug/Kg	☼	06/05/17 09:24	06/07/17 14:11	1
2,6-Dinitrotoluene	ND		740	78	ug/Kg	☼	06/05/17 09:24	06/07/17 14:11	1
Di-n-octyl phthalate	ND		260	29	ug/Kg	☼	06/05/17 09:24	06/07/17 14:11	1
Fluoranthene	**120**		25	2.0	ug/Kg	☼	06/05/17 09:24	06/07/17 14:11	1
Fluorene	ND		25	2.0	ug/Kg	☼	06/05/17 09:24	06/07/17 14:11	1
Hexachlorobenzene	ND		25	7.8	ug/Kg	☼	06/05/17 09:24	06/07/17 14:11	1
Hexachlorobutadiene	ND		190	21	ug/Kg	☼	06/05/17 09:24	06/07/17 14:11	1
Hexachlorocyclopentadiene	ND		1200	30	ug/Kg	☼	06/05/17 09:24	06/07/17 14:11	1
Hexachloroethane	ND		190	33	ug/Kg	☼	06/05/17 09:24	06/07/17 14:11	1
Indeno[1,2,3-cd]pyrene	**33**		25	1.3	ug/Kg	☼	06/05/17 09:24	06/07/17 14:11	1
Isophorone	ND		190	48	ug/Kg	☼	06/05/17 09:24	06/07/17 14:11	1
2-Methylnaphthalene	**26**		25	1.9	ug/Kg	☼	06/05/17 09:24	06/07/17 14:11	1
2-Methylphenol	ND		740	41	ug/Kg	☼	06/05/17 09:24	06/07/17 14:11	1
3 & 4 Methylphenol	ND		1500	74	ug/Kg	☼	06/05/17 09:24	06/07/17 14:11	1

Client Sample ID: SAMPLE SS3 - GRID A13

Date Collected: 06/01/17 11:30
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-4

Matrix: Solid
Percent Solids: 26.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**19**	**J**	25	3.0	ug/Kg	☼	06/05/17 09:24	06/07/17 14:11	1
2-Nitroaniline	ND		740	34	ug/Kg	☼	06/05/17 09:24	06/07/17 14:11	1
3-Nitroaniline	ND		740	59	ug/Kg	☼	06/05/17 09:24	06/07/17 14:11	1
4-Nitroaniline	ND		740	97	ug/Kg	☼	06/05/17 09:24	06/07/17 14:11	1
Nitrobenzene	ND		370	8.2	ug/Kg	☼	06/05/17 09:24	06/07/17 14:11	1
2-Nitrophenol	ND		190	31	ug/Kg	☼	06/05/17 09:24	06/07/17 14:11	1
4-Nitrophenol	ND		1200	63	ug/Kg	☼	06/05/17 09:24	06/07/17 14:11	1
N-Nitrosodi-n-propylamine	ND		190	23	ug/Kg	☼	06/05/17 09:24	06/07/17 14:11	1
N-Nitrosodiphenylamine	ND		190	78	ug/Kg	☼	06/05/17 09:24	06/07/17 14:11	1
Pentachlorophenol	ND		560	34	ug/Kg	☼	06/05/17 09:24	06/07/17 14:11	1
Phenanthrene	**36**		25	2.7	ug/Kg	☼	06/05/17 09:24	06/07/17 14:11	1
Phenol	ND		190	27	ug/Kg	☼	06/05/17 09:24	06/07/17 14:11	1
Pyrene	**89**		25	1.6	ug/Kg	☼	06/05/17 09:24	06/07/17 14:11	1
2,4,5-Trichlorophenol	ND		560	93	ug/Kg	☼	06/05/17 09:24	06/07/17 14:11	1
2,4,6-Trichlorophenol	ND		560	33	ug/Kg	☼	06/05/17 09:24	06/07/17 14:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*71*		*32 - 120*	*06/05/17 09:24*	*06/07/17 14:11*	*1*
2-Fluorophenol (Surr)	*68*		*29 - 120*	*06/05/17 09:24*	*06/07/17 14:11*	*1*
Nitrobenzene-d5 (Surr)	*68*		*30 - 120*	*06/05/17 09:24*	*06/07/17 14:11*	*1*
Phenol-d5 (Surr)	*72*		*29 - 120*	*06/05/17 09:24*	*06/07/17 14:11*	*1*
Terphenyl-d14 (Surr)	*75*		*41 - 120*	*06/05/17 09:24*	*06/07/17 14:11*	*1*
2,4,6-Tribromophenol (Surr)	*96*		*10 - 120*	*06/05/17 09:24*	*06/07/17 14:11*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C20	**1500**		370	110	mg/Kg	☼	06/09/17 10:51	06/13/17 21:03	2
C20-C34	**1600**		370	110	mg/Kg	☼	06/09/17 10:51	06/13/17 21:03	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*54*		*40 - 160*	*06/09/17 10:51*	*06/13/17 21:03*	*2*

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		190	91	ug/Kg	☼	06/06/17 09:50	06/09/17 18:03	10
alpha-BHC	ND		190	61	ug/Kg	☼	06/06/17 09:50	06/09/17 18:03	10
alpha-Chlordane	ND		190	140	ug/Kg	☼	06/06/17 09:50	06/09/17 18:03	10
beta-BHC	ND		190	150	ug/Kg	☼	06/06/17 09:50	06/09/17 18:03	10
4,4'-DDD	ND		190	130	ug/Kg	☼	06/06/17 09:50	06/09/17 18:03	10
4,4'-DDE	ND		190	46	ug/Kg	☼	06/06/17 09:50	06/09/17 18:03	10
4,4'-DDT	ND		190	53	ug/Kg	☼	06/06/17 09:50	06/09/17 18:03	10
delta-BHC	ND		190	49	ug/Kg	☼	06/06/17 09:50	06/09/17 18:03	10
Dieldrin	ND		190	34	ug/Kg	☼	06/06/17 09:50	06/09/17 18:03	10
Endosulfan I	ND		190	49	ug/Kg	☼	06/06/17 09:50	06/09/17 18:03	10
Endosulfan II	ND		190	68	ug/Kg	☼	06/06/17 09:50	06/09/17 18:03	10
Endosulfan sulfate	ND		190	46	ug/Kg	☼	06/06/17 09:50	06/09/17 18:03	10
Endrin	ND		190	53	ug/Kg	☼	06/06/17 09:50	06/09/17 18:03	10
Endrin aldehyde	ND		190	68	ug/Kg	☼	06/06/17 09:50	06/09/17 18:03	10
Endrin ketone	ND		190	42	ug/Kg	☼	06/06/17 09:50	06/09/17 18:03	10
gamma-BHC (Lindane)	ND		190	110	ug/Kg	☼	06/06/17 09:50	06/09/17 18:03	10

Client Sample ID: SAMPLE SS3 - GRID A13

Date Collected: 06/01/17 11:30
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-4

Matrix: Solid
Percent Solids: 26.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-Chlordane	ND		190	57	ug/Kg	☼	06/06/17 09:50	06/09/17 18:03	10
Heptachlor	ND		190	30	ug/Kg	☼	06/06/17 09:50	06/09/17 18:03	10
Heptachlor epoxide	ND		190	91	ug/Kg	☼	06/06/17 09:50	06/09/17 18:03	10
Methoxychlor	ND		380	46	ug/Kg	☼	06/06/17 09:50	06/09/17 18:03	10
Toxaphene	ND		3800	1400	ug/Kg	☼	06/06/17 09:50	06/09/17 18:03	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*43*		*13 - 135*	*06/06/17 09:50*	*06/09/17 18:03*	*10*
DCB Decachlorobiphenyl	*59*		*13 - 135*	*06/06/17 09:50*	*06/09/17 18:03*	*10*
Tetrachloro-m-xylene	*76*		*30 - 120*	*06/06/17 09:50*	*06/09/17 18:03*	*10*
Tetrachloro-m-xylene	*56*		*30 - 120*	*06/06/17 09:50*	*06/09/17 18:03*	*10*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		190	89	ug/Kg	☼	06/05/17 08:38	06/07/17 09:01	1
Aroclor-1221	ND		190	86	ug/Kg	☼	06/05/17 08:38	06/07/17 09:01	1
Aroclor-1232	ND		190	60	ug/Kg	☼	06/05/17 08:38	06/07/17 09:01	1
Aroclor-1242	ND		190	74	ug/Kg	☼	06/05/17 08:38	06/07/17 09:01	1
Aroclor-1248	ND		190	63	ug/Kg	☼	06/05/17 08:38	06/07/17 09:01	1
Aroclor-1254	ND		190	52	ug/Kg	☼	06/05/17 08:38	06/07/17 09:01	1
Aroclor-1260	ND		190	67	ug/Kg	☼	06/05/17 08:38	06/07/17 09:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*77*		*14 - 128*	*06/05/17 08:38*	*06/07/17 09:01*	*1*
DCB Decachlorobiphenyl	*78*		*10 - 132*	*06/05/17 08:38*	*06/07/17 09:01*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	ND		910	110	ug/Kg	☼	06/09/17 08:29	06/13/17 19:14	1
Silvex (2,4,5-TP)	ND		230	23	ug/Kg	☼	06/09/17 08:29	06/13/17 19:14	1
2,4,5-T	ND		230	26	ug/Kg	☼	06/09/17 08:29	06/13/17 19:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*37*		*19 - 120*	*06/09/17 08:29*	*06/13/17 19:14*	*1*
2,4-Dichlorophenylacetic acid	*37*		*19 - 120*	*06/09/17 08:29*	*06/13/17 19:14*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8700**		61	18	mg/Kg	☼	06/06/17 11:24	06/07/17 19:47	1
Calcium	**42000**		1500	70	mg/Kg	☼	06/06/17 11:24	06/07/17 19:47	1
Iron	**13000**	**B**	31	9.8	mg/Kg	☼	06/06/17 11:24	06/07/17 19:47	1
Magnesium	**2600**	**B**	1500	16	mg/Kg	☼	06/06/17 11:24	06/07/17 19:47	1
Potassium	**640**	**J**	1500	19	mg/Kg	☼	06/06/17 11:24	06/07/17 19:47	1
Selenium	ND		1.5	1.0	mg/Kg	☼	06/06/17 11:24	06/07/17 19:47	1
Sodium	**510**	**J**	1500	58	mg/Kg	☼	06/06/17 11:24	06/07/17 19:47	1

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**10**		3.1	0.080	mg/Kg	☼	06/06/17 11:24	06/09/17 02:17	2
Barium	**150**		3.1	0.67	mg/Kg	☼	06/06/17 11:24	06/09/17 02:17	2
Cadmium	**0.58**	**J**	0.61	0.011	mg/Kg	☼	06/06/17 11:24	06/09/17 02:17	2

Client Sample ID: SAMPLE SS3 - GRID A13

Date Collected: 06/01/17 11:30
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-4

Matrix: Solid
Percent Solids: 26.5

Method: 6020 - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	16	B	1.2	0.18	mg/Kg	☼	06/06/17 11:24	06/09/17 02:17	2
Copper	30	B	1.2	0.30	mg/Kg	☼	06/06/17 11:24	06/09/17 02:17	2
Lead	40	B	0.61	0.14	mg/Kg	☼	06/06/17 11:24	06/09/17 22:38	2
Manganese	390	B	3.1	0.37	mg/Kg	☼	06/06/17 11:24	06/09/17 02:17	2
Nickel	21		1.2	0.12	mg/Kg	☼	06/06/17 11:24	06/09/17 02:17	2
Strontium	91	B	6.1	0.077	mg/Kg	☼	06/06/17 11:24	06/09/17 02:17	2
Zinc	180	B	12	1.5	mg/Kg	☼	06/06/17 11:24	06/09/17 02:17	2

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.079	J	0.40	0.073	mg/Kg	☼	06/06/17 16:00	06/07/17 11:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Duplicates	140000		3800	2800	mg/Kg	☼		06/13/17 15:32	1
Percent Solids	26.5		0.1	0.1	%			06/05/17 08:34	1
Percent Moisture	73.5		0.1	0.1	%			06/05/17 08:34	1

Method: D422 - Grain Size

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gravel	12.1				%			06/06/17 21:40	1
Sieve Size 3 inch - Percent Finer	100.0				% Passing			06/06/17 21:40	1
Sand	24.3				%			06/06/17 21:40	1
Sieve Size 2 inch - Percent Finer	100.0				% Passing			06/06/17 21:40	1
Coarse Sand	7.1				%			06/06/17 21:40	1
Sieve Size 1.5 inch - Percent Finer	100.0				% Passing			06/06/17 21:40	1
Medium Sand	3.9				%			06/06/17 21:40	1
Sieve Size 1 inch - Percent Finer	100.0				% Passing			06/06/17 21:40	1
Fine Sand	13.3				%			06/06/17 21:40	1
Sieve Size 0.75 inch - Percent Finer	100.0				% Passing			06/06/17 21:40	1
Sieve Size 0.375 inch - Percent Finer	100.0				% Passing			06/06/17 21:40	1
Silt	46.3				%			06/06/17 21:40	1
Clay	17.3				%			06/06/17 21:40	1
Sieve Size #4 - Percent Finer	87.9				% Passing			06/06/17 21:40	1
Sieve Size #10 - Percent Finer	80.8				% Passing			06/06/17 21:40	1
Sieve Size #20 - Percent Finer	78.9				% Passing			06/06/17 21:40	1
Sieve Size #40 - Percent Finer	76.9				% Passing			06/06/17 21:40	1
Sieve Size #60 - Percent Finer	73.6				% Passing			06/06/17 21:40	1
Sieve Size #80 - Percent Finer	71.3				% Passing			06/06/17 21:40	1
Sieve Size #100 - Percent Finer	69.9				% Passing			06/06/17 21:40	1
Sieve Size #200 - Percent Finer	63.6				% Passing			06/06/17 21:40	1
Hydrometer Reading 1 - Percent Finer	35.6				% Passing			06/06/17 21:40	1
Hydrometer Reading 2 - Percent Finer	33.8				% Passing			06/06/17 21:40	1
Hydrometer Reading 3 - Percent Finer	24.6				% Passing			06/06/17 21:40	1
Hydrometer Reading 4 - Percent Finer	21.0				% Passing			06/06/17 21:40	1

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron Ohio

TestAmerica Job ID: 240-80352-1

Client Sample ID: SAMPLE SS3 - GRID A13
Date Collected: 06/01/17 11:30
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-4
Matrix: Solid
Percent Solids: 26.5

Method: D422 - Grain Size (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hydrometer Reading 5 - Percent Finer	17.3				% Passing			06/06/17 21:40	1
Hydrometer Reading 6 - Percent Finer	9.7				% Passing			06/06/17 21:40	1
Hydrometer Reading 7 - Percent Finer	6.1				% Passing			06/06/17 21:40	1

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron Ohio

TestAmerica Job ID: 240-80352-1

Client Sample ID: SAMPLE SS4 - GRID D77
Date Collected: 06/01/17 12:10
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-5
Matrix: Solid
Percent Solids: 41.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		10	0.48	ug/Kg	☼	06/06/17 11:43	06/06/17 15:40	1
1,1,2,2-Tetrachloroethane	ND		930	48	ug/Kg	☼	06/05/17 11:17	06/07/17 16:41	1
1,1,2-Trichloroethane	ND		10	0.81	ug/Kg	☼	06/06/17 11:43	06/06/17 15:40	1
1,1-Dichloroethane	ND		10	0.69	ug/Kg	☼	06/06/17 11:43	06/06/17 15:40	1
1,1-Dichloroethene	ND		10	1.1	ug/Kg	☼	06/06/17 11:43	06/06/17 15:40	1
1,2,4-Trichlorobenzene	ND		930	45	ug/Kg	☼	06/05/17 11:17	06/07/17 16:41	1
1,2-Dibromo-3-Chloropropane	ND		1900	130	ug/Kg	☼	06/05/17 11:17	06/07/17 16:41	1
1,2-Dichlorobenzene	ND		930	41	ug/Kg	☼	06/05/17 11:17	06/07/17 16:41	1
1,2-Dichloroethane	ND		10	0.60	ug/Kg	☼	06/06/17 11:43	06/06/17 15:40	1
1,2-Dichloropropane	ND		10	0.65	ug/Kg	☼	06/06/17 11:43	06/06/17 15:40	1
1,3-Dichlorobenzene	ND		930	54	ug/Kg	☼	06/05/17 11:17	06/07/17 16:41	1
1,4-Dichlorobenzene	ND		930	65	ug/Kg	☼	06/05/17 11:17	06/07/17 16:41	1
2-Hexanone	ND		42	1.2	ug/Kg	☼	06/06/17 11:43	06/06/17 15:40	1
Acetone	**170**		42	6.4	ug/Kg	☼	06/06/17 11:43	06/06/17 15:40	1
Benzene	ND		10	0.67	ug/Kg	☼	06/06/17 11:43	06/06/17 15:40	1
Bromoform	ND		10	0.83	ug/Kg	☼	06/06/17 11:43	06/06/17 15:40	1
Bromomethane	ND		21	1.2	ug/Kg	☼	06/06/17 11:43	06/06/17 15:40	1
Carbon disulfide	**2.6**	**J**	10	0.44	ug/Kg	☼	06/06/17 11:43	06/06/17 15:40	1
Carbon tetrachloride	ND		10	0.52	ug/Kg	☼	06/06/17 11:43	06/06/17 15:40	1
Chlorobenzene	**1.5**	**J**	10	0.69	ug/Kg	☼	06/06/17 11:43	06/06/17 15:40	1
Chloroethane	ND		21	0.79	ug/Kg	☼	06/06/17 11:43	06/06/17 15:40	1
Chloroform	ND		10	0.48	ug/Kg	☼	06/06/17 11:43	06/06/17 15:40	1
Chloromethane	ND		21	0.79	ug/Kg	☼	06/06/17 11:43	06/06/17 15:40	1
cis-1,2-Dichloroethene	**1.2**	**J**	5.2	0.58	ug/Kg	☼	06/06/17 11:43	06/06/17 15:40	1
cis-1,3-Dichloropropene	ND		10	0.54	ug/Kg	☼	06/06/17 11:43	06/06/17 15:40	1
Dichlorobromomethane	ND		10	0.69	ug/Kg	☼	06/06/17 11:43	06/06/17 15:40	1
Dichlorodifluoromethane	ND		21	0.73	ug/Kg	☼	06/06/17 11:43	06/06/17 15:40	1
Ethylbenzene	**0.84**	**J**	10	0.56	ug/Kg	☼	06/06/17 11:43	06/06/17 15:40	1
Ethylene Dibromide	ND		10	0.73	ug/Kg	☼	06/06/17 11:43	06/06/17 15:40	1
Isopropylbenzene	ND		10	0.42	ug/Kg	☼	06/06/17 11:43	06/06/17 15:40	1
2-Butanone (MEK)	**36**	**J**	42	2.6	ug/Kg	☼	06/06/17 11:43	06/06/17 15:40	1
4-Methyl-2-pentanone (MIBK)	ND		42	1.9	ug/Kg	☼	06/06/17 11:43	06/06/17 15:40	1
Methyl tert-butyl ether	ND		10	0.56	ug/Kg	☼	06/06/17 11:43	06/06/17 15:40	1
Methylene Chloride	ND		10	0.50	ug/Kg	☼	06/06/17 11:43	06/06/17 15:40	1
Styrene	ND		10	0.56	ug/Kg	☼	06/06/17 11:43	06/06/17 15:40	1
Tetrachloroethene	ND		10	0.77	ug/Kg	☼	06/06/17 11:43	06/06/17 15:40	1
Toluene	**0.89**	**J**	10	0.71	ug/Kg	☼	06/06/17 11:43	06/06/17 15:40	1
trans-1,2-Dichloroethene	ND		5.2	0.79	ug/Kg	☼	06/06/17 11:43	06/06/17 15:40	1
trans-1,3-Dichloropropene	ND		10	0.44	ug/Kg	☼	06/06/17 11:43	06/06/17 15:40	1
Trichloroethene	ND		10	0.86	ug/Kg	☼	06/06/17 11:43	06/06/17 15:40	1
Trichlorofluoromethane	ND		21	0.50	ug/Kg	☼	06/06/17 11:43	06/06/17 15:40	1
Vinyl chloride	ND		21	0.58	ug/Kg	☼	06/06/17 11:43	06/06/17 15:40	1
Xylenes, Total	**13**		10	0.83	ug/Kg	☼	06/06/17 11:43	06/06/17 15:40	1
Chlorodibromomethane	ND		10	0.63	ug/Kg	☼	06/06/17 11:43	06/06/17 15:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*76*		*61 - 127*	*06/06/17 11:43*	*06/06/17 15:40*	*1*
1,2-Dichloroethane-d4 (Surr)	*76*		*61 - 127*	*06/05/17 11:17*	*06/07/17 16:41*	*1*
4-Bromofluorobenzene (Surr)	*158*	*X **	*61 - 132*	*06/06/17 11:43*	*06/06/17 15:40*	*1*

Client Sample ID: SAMPLE SS4 - GRID D77

Date Collected: 06/01/17 12:10
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-5

Matrix: Solid
Percent Solids: 41.3

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	49	X	61 - 132	06/05/17 11:17	06/07/17 16:41	1
Toluene-d8 (Surr)	92		66 - 125	06/06/17 11:43	06/06/17 15:40	1
Toluene-d8 (Surr)	41	X	66 - 125	06/05/17 11:17	06/07/17 16:41	1
Dibromofluoromethane (Surr)	83		43 - 131	06/06/17 11:43	06/06/17 15:40	1
Dibromofluoromethane (Surr)	72		43 - 131	06/05/17 11:17	06/07/17 16:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**770**	**J**	800	91	ug/Kg	☼	06/06/17 08:39	06/08/17 17:53	50
Acenaphthylene	ND		800	42	ug/Kg	☼	06/06/17 08:39	06/08/17 17:53	50
Acetophenone	ND		12000	1100	ug/Kg	☼	06/06/17 08:39	06/08/17 17:53	50
Anthracene	**1900**		800	93	ug/Kg	☼	06/06/17 08:39	06/08/17 17:53	50
Benzo[a]anthracene	**3600**		800	75	ug/Kg	☼	06/06/17 08:39	06/08/17 17:53	50
Benzo[a]pyrene	**2900**		800	76	ug/Kg	☼	06/06/17 08:39	06/08/17 17:53	50
Benzo[b]fluoranthene	**4300**		800	70	ug/Kg	☼	06/06/17 08:39	06/08/17 17:53	50
Benzo[g,h,i]perylene	**1000**		800	42	ug/Kg	☼	06/06/17 08:39	06/08/17 17:53	50
Benzo[k]fluoranthene	**2100**		800	81	ug/Kg	☼	06/06/17 08:39	06/08/17 17:53	50
Bis(2-chloroethoxy)methane	ND		12000	2600	ug/Kg	☼	06/06/17 08:39	06/08/17 17:53	50
Bis(2-chloroethyl)ether	ND		12000	240	ug/Kg	☼	06/06/17 08:39	06/08/17 17:53	50
bis (2-chloroisopropyl) ether	ND		12000	1100	ug/Kg	☼	06/06/17 08:39	06/08/17 17:53	50
Bis(2-ethylhexyl) phthalate	**32000**		8400	2300	ug/Kg	☼	06/06/17 08:39	06/08/17 17:53	50
4-Bromophenyl phenyl ether	ND		6000	1600	ug/Kg	☼	06/06/17 08:39	06/08/17 17:53	50
Butyl benzyl phthalate	ND		8400	1200	ug/Kg	☼	06/06/17 08:39	06/08/17 17:53	50
4-Chloroaniline	ND		18000	2000	ug/Kg	☼	06/06/17 08:39	06/08/17 17:53	50
4-Chloro-3-methylphenol	ND		18000	2500	ug/Kg	☼	06/06/17 08:39	06/08/17 17:53	50
2-Chloronaphthalene	ND		6000	54	ug/Kg	☼	06/06/17 08:39	06/08/17 17:53	50
2-Chlorophenol	ND		6000	980	ug/Kg	☼	06/06/17 08:39	06/08/17 17:53	50
4-Chlorophenyl phenyl ether	ND		6000	1600	ug/Kg	☼	06/06/17 08:39	06/08/17 17:53	50
Chrysene	**4300**		800	130	ug/Kg	☼	06/06/17 08:39	06/08/17 17:53	50
Dibenz(a,h)anthracene	ND		800	79	ug/Kg	☼	06/06/17 08:39	06/08/17 17:53	50
Dibenzofuran	ND		6000	79	ug/Kg	☼	06/06/17 08:39	06/08/17 17:53	50
3,3'-Dichlorobenzidine	ND		12000	2100	ug/Kg	☼	06/06/17 08:39	06/08/17 17:53	50
2,4-Dichlorophenol	ND		18000	2400	ug/Kg	☼	06/06/17 08:39	06/08/17 17:53	50
Diethyl phthalate	ND		8400	1900	ug/Kg	☼	06/06/17 08:39	06/08/17 17:53	50
2,4-Dimethylphenol	ND		18000	2400	ug/Kg	☼	06/06/17 08:39	06/08/17 17:53	50
Dimethyl phthalate	ND		8400	2000	ug/Kg	☼	06/06/17 08:39	06/08/17 17:53	50
Di-n-butyl phthalate	ND		8400	1800	ug/Kg	☼	06/06/17 08:39	06/08/17 17:53	50
4,6-Dinitro-2-methylphenol	ND		18000	1100	ug/Kg	☼	06/06/17 08:39	06/08/17 17:53	50
2,4-Dinitrophenol	ND		39000	2500	ug/Kg	☼	06/06/17 08:39	06/08/17 17:53	50
2,4-Dinitrotoluene	ND		24000	2000	ug/Kg	☼	06/06/17 08:39	06/08/17 17:53	50
2,6-Dinitrotoluene	ND		24000	2500	ug/Kg	☼	06/06/17 08:39	06/08/17 17:53	50
Di-n-octyl phthalate	ND		8400	940	ug/Kg	☼	06/06/17 08:39	06/08/17 17:53	50
Fluoranthene	**11000**		800	66	ug/Kg	☼	06/06/17 08:39	06/08/17 17:53	50
Fluorene	**1300**		800	63	ug/Kg	☼	06/06/17 08:39	06/08/17 17:53	50
Hexachlorobenzene	ND		800	250	ug/Kg	☼	06/06/17 08:39	06/08/17 17:53	50
Hexachlorobutadiene	ND		6000	670	ug/Kg	☼	06/06/17 08:39	06/08/17 17:53	50
Hexachlorocyclopentadiene	ND		39000	970	ug/Kg	☼	06/06/17 08:39	06/08/17 17:53	50
Hexachloroethane	ND		6000	1100	ug/Kg	☼	06/06/17 08:39	06/08/17 17:53	50
Indeno[1,2,3-cd]pyrene	**800**		800	42	ug/Kg	☼	06/06/17 08:39	06/08/17 17:53	50

Client Sample ID: SAMPLE SS4 - GRID D77
Date Collected: 06/01/17 12:10
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-5
Matrix: Solid
Percent Solids: 41.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isophorone	ND		6000	1600	ug/Kg	☼	06/06/17 08:39	06/08/17 17:53	50
2-Methylnaphthalene	**1900**		800	60	ug/Kg	☼	06/06/17 08:39	06/08/17 17:53	50
2-Methylphenol	ND		24000	1300	ug/Kg	☼	06/06/17 08:39	06/08/17 17:53	50
3 & 4 Methylphenol	ND		48000	2400	ug/Kg	☼	06/06/17 08:39	06/08/17 17:53	50
Naphthalene	**1200**		800	98	ug/Kg	☼	06/06/17 08:39	06/08/17 17:53	50
2-Nitroaniline	ND		24000	1100	ug/Kg	☼	06/06/17 08:39	06/08/17 17:53	50
3-Nitroaniline	ND		24000	1900	ug/Kg	☼	06/06/17 08:39	06/08/17 17:53	50
4-Nitroaniline	ND		24000	3100	ug/Kg	☼	06/06/17 08:39	06/08/17 17:53	50
Nitrobenzene	ND		12000	260	ug/Kg	☼	06/06/17 08:39	06/08/17 17:53	50
2-Nitrophenol	ND		6000	990	ug/Kg	☼	06/06/17 08:39	06/08/17 17:53	50
4-Nitrophenol	ND		39000	2000	ug/Kg	☼	06/06/17 08:39	06/08/17 17:53	50
N-Nitrosodi-n-propylamine	ND		6000	750	ug/Kg	☼	06/06/17 08:39	06/08/17 17:53	50
N-Nitrosodiphenylamine	**3400**	**J**	6000	2500	ug/Kg	☼	06/06/17 08:39	06/08/17 17:53	50
Pentachlorophenol	ND		18000	1100	ug/Kg	☼	06/06/17 08:39	06/08/17 17:53	50
Phenanthrene	**7700**		800	87	ug/Kg	☼	06/06/17 08:39	06/08/17 17:53	50
Phenol	ND		6000	870	ug/Kg	☼	06/06/17 08:39	06/08/17 17:53	50
Pyrene	**10000**		800	52	ug/Kg	☼	06/06/17 08:39	06/08/17 17:53	50
2,4,5-Trichlorophenol	ND		18000	3000	ug/Kg	☼	06/06/17 08:39	06/08/17 17:53	50
2,4,6-Trichlorophenol	ND		18000	1100	ug/Kg	☼	06/06/17 08:39	06/08/17 17:53	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*76*		*32 - 120*	*06/06/17 08:39*	*06/08/17 17:53*	*50*
2-Fluorophenol (Surr)	*72*		*29 - 120*	*06/06/17 08:39*	*06/08/17 17:53*	*50*
Nitrobenzene-d5 (Surr)	*71*		*30 - 120*	*06/06/17 08:39*	*06/08/17 17:53*	*50*
Phenol-d5 (Surr)	*70*		*29 - 120*	*06/06/17 08:39*	*06/08/17 17:53*	*50*
Terphenyl-d14 (Surr)	*86*		*41 - 120*	*06/06/17 08:39*	*06/08/17 17:53*	*50*
2,4,6-Tribromophenol (Surr)	*57*		*10 - 120*	*06/06/17 08:39*	*06/08/17 17:53*	*50*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C20	**2200**		1200	370	mg/Kg	☼	06/09/17 10:51	06/13/17 21:31	10
C20-C34	**11000**		1200	370	mg/Kg	☼	06/09/17 10:51	06/13/17 21:31	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*76*		*40 - 160*	*06/09/17 10:51*	*06/13/17 21:31*	*10*

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		62	29	ug/Kg	☼	06/06/17 09:50	06/12/17 17:42	5
alpha-BHC	ND		62	19	ug/Kg	☼	06/06/17 09:50	06/12/17 17:42	5
alpha-Chlordane	ND		62	46	ug/Kg	☼	06/06/17 09:50	06/12/17 17:42	5
beta-BHC	ND		62	47	ug/Kg	☼	06/06/17 09:50	06/12/17 17:42	5
4,4'-DDD	ND		62	40	ug/Kg	☼	06/06/17 09:50	06/12/17 17:42	5
4,4'-DDE	ND		250	58	ug/Kg	☼	06/06/17 09:50	06/12/17 20:40	20
4,4'-DDT	ND		62	17	ug/Kg	☼	06/06/17 09:50	06/12/17 17:42	5
delta-BHC	ND		62	16	ug/Kg	☼	06/06/17 09:50	06/12/17 17:42	5
Dieldrin	ND		62	11	ug/Kg	☼	06/06/17 09:50	06/12/17 17:42	5
Endosulfan I	ND		62	16	ug/Kg	☼	06/06/17 09:50	06/12/17 17:42	5
Endosulfan II	ND		62	22	ug/Kg	☼	06/06/17 09:50	06/12/17 17:42	5
Endosulfan sulfate	ND		62	15	ug/Kg	☼	06/06/17 09:50	06/12/17 17:42	5

Client Sample ID: SAMPLE SS4 - GRID D77

Date Collected: 06/01/17 12:10
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-5

Matrix: Solid
Percent Solids: 41.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin	ND		250	68	ug/Kg	☼	06/06/17 09:50	06/12/17 20:40	20
Endrin aldehyde	ND		250	87	ug/Kg	☼	06/06/17 09:50	06/12/17 20:40	20
Endrin ketone	ND		62	13	ug/Kg	☼	06/06/17 09:50	06/12/17 17:42	5
gamma-BHC (Lindane)	ND		62	35	ug/Kg	☼	06/06/17 09:50	06/12/17 17:42	5
gamma-Chlordane	ND		62	18	ug/Kg	☼	06/06/17 09:50	06/12/17 17:42	5
Heptachlor	ND		62	9.5	ug/Kg	☼	06/06/17 09:50	06/12/17 17:42	5
Heptachlor epoxide	ND		62	29	ug/Kg	☼	06/06/17 09:50	06/12/17 17:42	5
Methoxychlor	ND		120	15	ug/Kg	☼	06/06/17 09:50	06/12/17 17:42	5
Toxaphene	ND		1200	450	ug/Kg	☼	06/06/17 09:50	06/12/17 17:42	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*1265*	*X*	*13 - 135*	*06/06/17 09:50*	*06/12/17 17:42*	*5*
DCB Decachlorobiphenyl	*142*	*p X*	*13 - 135*	*06/06/17 09:50*	*06/12/17 17:42*	*5*
DCB Decachlorobiphenyl	*599*	*X*	*13 - 135*	*06/06/17 09:50*	*06/12/17 20:40*	*20*
DCB Decachlorobiphenyl	*84*	*p*	*13 - 135*	*06/06/17 09:50*	*06/12/17 20:40*	*20*
Tetrachloro-m-xylene	*101*		*30 - 120*	*06/06/17 09:50*	*06/12/17 17:42*	*5*
Tetrachloro-m-xylene	*117*		*30 - 120*	*06/06/17 09:50*	*06/12/17 17:42*	*5*
Tetrachloro-m-xylene	*174*	*X*	*30 - 120*	*06/06/17 09:50*	*06/12/17 20:40*	*20*
Tetrachloro-m-xylene	*58*	*p*	*30 - 120*	*06/06/17 09:50*	*06/12/17 20:40*	*20*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		120	57	ug/Kg	☼	06/05/17 08:38	06/07/17 09:20	1
Aroclor-1221	ND		120	55	ug/Kg	☼	06/05/17 08:38	06/07/17 09:20	1
Aroclor-1232	ND		120	38	ug/Kg	☼	06/05/17 08:38	06/07/17 09:20	1
Aroclor-1242	ND		120	48	ug/Kg	☼	06/05/17 08:38	06/07/17 09:20	1
Aroclor-1248	ND		120	41	ug/Kg	☼	06/05/17 08:38	06/07/17 09:20	1
Aroclor-1254	**530**		120	33	ug/Kg	☼	06/05/17 08:38	06/07/17 09:20	1
Aroclor-1260	ND		120	43	ug/Kg	☼	06/05/17 08:38	06/07/17 09:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*86*		*14 - 128*	*06/05/17 08:38*	*06/07/17 09:20*	*1*
DCB Decachlorobiphenyl	*194*	*p X*	*10 - 132*	*06/05/17 08:38*	*06/07/17 09:20*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	ND		570	71	ug/Kg	☼	06/09/17 08:29	06/13/17 19:45	1
Silvex (2,4,5-TP)	ND		140	14	ug/Kg	☼	06/09/17 08:29	06/13/17 19:45	1
2,4,5-T	ND		140	17	ug/Kg	☼	06/09/17 08:29	06/13/17 19:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*43*		*19 - 120*	*06/09/17 08:29*	*06/13/17 19:45*	*1*
2,4-Dichlorophenylacetic acid	*42*		*19 - 120*	*06/09/17 08:29*	*06/13/17 19:45*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8600**		33	9.6	mg/Kg	☼	06/06/17 11:24	06/07/17 19:51	1
Calcium	**28000**		830	38	mg/Kg	☼	06/06/17 11:24	06/07/17 19:51	1
Iron	**28000**	**B**	17	5.3	mg/Kg	☼	06/06/17 11:24	06/07/17 19:51	1
Magnesium	**3900**	**B**	830	8.6	mg/Kg	☼	06/06/17 11:24	06/07/17 19:51	1
Potassium	**760**	**J**	830	10	mg/Kg	☼	06/06/17 11:24	06/07/17 19:51	1

Client Sample ID: SAMPLE SS4 - GRID D77

Date Collected: 06/01/17 12:10
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-5

Matrix: Solid
Percent Solids: 41.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	1.7		0.83	0.56	mg/Kg	☼	06/06/17 11:24	06/07/17 19:51	1
Sodium	370	J	830	32	mg/Kg	☼	06/06/17 11:24	06/07/17 19:51	1

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	22		1.7	0.043	mg/Kg	☼	06/06/17 11:24	06/09/17 02:21	2
Barium	290		1.7	0.36	mg/Kg	☼	06/06/17 11:24	06/09/17 02:21	2
Cadmium	4.3		0.33	0.0061	mg/Kg	☼	06/06/17 11:24	06/09/17 02:21	2
Chromium	94	B	0.66	0.099	mg/Kg	☼	06/06/17 11:24	06/09/17 02:21	2
Copper	180	B	0.66	0.16	mg/Kg	☼	06/06/17 11:24	06/09/17 02:21	2
Lead	270	B	0.33	0.075	mg/Kg	☼	06/06/17 11:24	06/09/17 22:42	2
Manganese	320	B	1.7	0.20	mg/Kg	☼	06/06/17 11:24	06/09/17 02:21	2
Nickel	42		0.66	0.065	mg/Kg	☼	06/06/17 11:24	06/09/17 02:21	2
Strontium	81	B	3.3	0.041	mg/Kg	☼	06/06/17 11:24	06/09/17 02:21	2
Zinc	2400	B	6.6	0.83	mg/Kg	☼	06/06/17 11:24	06/09/17 02:21	2

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	1.4		0.22	0.040	mg/Kg	☼	06/06/17 16:00	06/07/17 11:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Duplicates	230000		2400	1800	mg/Kg	☼		06/13/17 15:42	1
Percent Solids	41.3		0.1	0.1	%			06/05/17 08:34	1
Percent Moisture	58.7		0.1	0.1	%			06/05/17 08:34	1

Method: D422 - Grain Size

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gravel	5.2				%			06/06/17 21:42	1
Sieve Size 3 inch - Percent Finer	100.0				% Passing			06/06/17 21:42	1
Sand	27.3				%			06/06/17 21:42	1
Sieve Size 2 inch - Percent Finer	100.0				% Passing			06/06/17 21:42	1
Coarse Sand	1.8				%			06/06/17 21:42	1
Sieve Size 1.5 inch - Percent Finer	100.0				% Passing			06/06/17 21:42	1
Medium Sand	7.9				%			06/06/17 21:42	1
Sieve Size 1 inch - Percent Finer	100.0				% Passing			06/06/17 21:42	1
Fine Sand	17.6				%			06/06/17 21:42	1
Sieve Size 0.75 inch - Percent Finer	100.0				% Passing			06/06/17 21:42	1
Sieve Size 0.375 inch - Percent Finer	97.2				% Passing			06/06/17 21:42	1
Silt	56.9				%			06/06/17 21:42	1
Clay	10.6				%			06/06/17 21:42	1
Sieve Size #4 - Percent Finer	94.8				% Passing			06/06/17 21:42	1
Sieve Size #10 - Percent Finer	93.0				% Passing			06/06/17 21:42	1
Sieve Size #20 - Percent Finer	90.1				% Passing			06/06/17 21:42	1
Sieve Size #40 - Percent Finer	85.1				% Passing			06/06/17 21:42	1
Sieve Size #60 - Percent Finer	78.1				% Passing			06/06/17 21:42	1
Sieve Size #80 - Percent Finer	74.5				% Passing			06/06/17 21:42	1
Sieve Size #100 - Percent Finer	72.6				% Passing			06/06/17 21:42	1
Sieve Size #200 - Percent Finer	67.5				% Passing			06/06/17 21:42	1

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron Ohio

TestAmerica Job ID: 240-80352-1

Client Sample ID: SAMPLE SS4 - GRID D77
Date Collected: 06/01/17 12:10
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-5
Matrix: Solid
Percent Solids: 41.3

Method: D422 - Grain Size (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hydrometer Reading 1 - Percent Finer	50.8				% Passing			06/06/17 21:42	1
Hydrometer Reading 2 - Percent Finer	32.9				% Passing			06/06/17 21:42	1
Hydrometer Reading 3 - Percent Finer	19.5				% Passing			06/06/17 21:42	1
Hydrometer Reading 4 - Percent Finer	15.1				% Passing			06/06/17 21:42	1
Hydrometer Reading 5 - Percent Finer	10.6				% Passing			06/06/17 21:42	1
Hydrometer Reading 6 - Percent Finer	7.1				% Passing			06/06/17 21:42	1
Hydrometer Reading 7 - Percent Finer	4.8				% Passing			06/06/17 21:42	1

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron Ohio

TestAmerica Job ID: 240-80352-1

Client Sample ID: SAMPLE SS5 - GRID B65
Date Collected: 06/01/17 13:55
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-6
Matrix: Solid
Percent Solids: 28.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		16	0.75	ug/Kg	☼	06/06/17 11:43	06/06/17 16:02	1
1,1,2,2-Tetrachloroethane	ND		16	0.85	ug/Kg	☼	06/06/17 11:43	06/06/17 16:02	1
1,1,2-Trichloroethane	ND		16	1.3	ug/Kg	☼	06/06/17 11:43	06/06/17 16:02	1
1,1-Dichloroethane	ND		16	1.1	ug/Kg	☼	06/06/17 11:43	06/06/17 16:02	1
1,1-Dichloroethene	ND		16	1.8	ug/Kg	☼	06/06/17 11:43	06/06/17 16:02	1
1,2,4-Trichlorobenzene	ND		16	0.78	ug/Kg	☼	06/06/17 11:43	06/06/17 16:02	1
1,2-Dibromo-3-Chloropropane	ND		33	2.2	ug/Kg	☼	06/06/17 11:43	06/06/17 16:02	1
1,2-Dichlorobenzene	ND		16	0.72	ug/Kg	☼	06/06/17 11:43	06/06/17 16:02	1
1,2-Dichloroethane	ND		16	0.95	ug/Kg	☼	06/06/17 11:43	06/06/17 16:02	1
1,2-Dichloropropane	ND		16	1.0	ug/Kg	☼	06/06/17 11:43	06/06/17 16:02	1
1,3-Dichlorobenzene	ND		16	0.95	ug/Kg	☼	06/06/17 11:43	06/06/17 16:02	1
1,4-Dichlorobenzene	ND		16	1.1	ug/Kg	☼	06/06/17 11:43	06/06/17 16:02	1
2-Hexanone	ND		65	1.9	ug/Kg	☼	06/06/17 11:43	06/06/17 16:02	1
Acetone	**46**	**J**	65	10	ug/Kg	☼	06/06/17 11:43	06/06/17 16:02	1
Benzene	ND		16	1.0	ug/Kg	☼	06/06/17 11:43	06/06/17 16:02	1
Bromoform	ND		16	1.3	ug/Kg	☼	06/06/17 11:43	06/06/17 16:02	1
Bromomethane	ND		33	1.9	ug/Kg	☼	06/06/17 11:43	06/06/17 16:02	1
Carbon disulfide	**8.9**	**J**	16	0.69	ug/Kg	☼	06/06/17 11:43	06/06/17 16:02	1
Carbon tetrachloride	ND		16	0.82	ug/Kg	☼	06/06/17 11:43	06/06/17 16:02	1
Chlorobenzene	ND		16	1.1	ug/Kg	☼	06/06/17 11:43	06/06/17 16:02	1
Chloroethane	ND		33	1.2	ug/Kg	☼	06/06/17 11:43	06/06/17 16:02	1
Chloroform	ND		16	0.75	ug/Kg	☼	06/06/17 11:43	06/06/17 16:02	1
Chloromethane	ND		33	1.2	ug/Kg	☼	06/06/17 11:43	06/06/17 16:02	1
cis-1,2-Dichloroethene	ND		8.2	0.92	ug/Kg	☼	06/06/17 11:43	06/06/17 16:02	1
cis-1,3-Dichloropropene	ND		16	0.85	ug/Kg	☼	06/06/17 11:43	06/06/17 16:02	1
Dichlorobromomethane	ND		16	1.1	ug/Kg	☼	06/06/17 11:43	06/06/17 16:02	1
Dichlorodifluoromethane	ND		33	1.1	ug/Kg	☼	06/06/17 11:43	06/06/17 16:02	1
Ethylbenzene	ND		16	0.88	ug/Kg	☼	06/06/17 11:43	06/06/17 16:02	1
Ethylene Dibromide	ND		16	1.1	ug/Kg	☼	06/06/17 11:43	06/06/17 16:02	1
Isopropylbenzene	ND		16	0.65	ug/Kg	☼	06/06/17 11:43	06/06/17 16:02	1
2-Butanone (MEK)	**11**	**J**	65	4.2	ug/Kg	☼	06/06/17 11:43	06/06/17 16:02	1
4-Methyl-2-pentanone (MIBK)	ND		65	2.9	ug/Kg	☼	06/06/17 11:43	06/06/17 16:02	1
Methyl tert-butyl ether	ND		16	0.88	ug/Kg	☼	06/06/17 11:43	06/06/17 16:02	1
Methylene Chloride	**2.5**	**J B**	16	0.78	ug/Kg	☼	06/06/17 11:43	06/06/17 16:02	1
Styrene	ND		16	0.88	ug/Kg	☼	06/06/17 11:43	06/06/17 16:02	1
Tetrachloroethene	ND		16	1.2	ug/Kg	☼	06/06/17 11:43	06/06/17 16:02	1
Toluene	ND		16	1.1	ug/Kg	☼	06/06/17 11:43	06/06/17 16:02	1
trans-1,2-Dichloroethene	ND		8.2	1.2	ug/Kg	☼	06/06/17 11:43	06/06/17 16:02	1
trans-1,3-Dichloropropene	ND		16	0.69	ug/Kg	☼	06/06/17 11:43	06/06/17 16:02	1
Trichloroethene	ND		16	1.3	ug/Kg	☼	06/06/17 11:43	06/06/17 16:02	1
Trichlorofluoromethane	ND		33	0.78	ug/Kg	☼	06/06/17 11:43	06/06/17 16:02	1
Vinyl chloride	ND		33	0.92	ug/Kg	☼	06/06/17 11:43	06/06/17 16:02	1
Xylenes, Total	ND		16	1.3	ug/Kg	☼	06/06/17 11:43	06/06/17 16:02	1
Chlorodibromomethane	ND		16	0.98	ug/Kg	☼	06/06/17 11:43	06/06/17 16:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*77*		*61 - 127*	*06/06/17 11:43*	*06/06/17 16:02*	*1*
4-Bromofluorobenzene (Surr)	*127*		*61 - 132*	*06/06/17 11:43*	*06/06/17 16:02*	*1*
Toluene-d8 (Surr)	*90*		*66 - 125*	*06/06/17 11:43*	*06/06/17 16:02*	*1*

Client Sample ID: SAMPLE SS5 - GRID B65

Date Collected: 06/01/17 13:55
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-6

Matrix: Solid
Percent Solids: 28.4

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	*85*		*43 - 131*	*06/06/17 11:43*	*06/06/17 16:02*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**17**	**J**	23	2.6	ug/Kg	☼	06/05/17 09:24	06/07/17 15:46	1
Acenaphthylene	ND		23	1.2	ug/Kg	☼	06/05/17 09:24	06/07/17 15:46	1
Acetophenone	ND		350	32	ug/Kg	☼	06/05/17 09:24	06/07/17 15:46	1
Anthracene	**59**		23	2.7	ug/Kg	☼	06/05/17 09:24	06/07/17 15:46	1
Benzo[a]anthracene	**240**		23	2.2	ug/Kg	☼	06/05/17 09:24	06/07/17 15:46	1
Benzo[a]pyrene	**280**		23	2.2	ug/Kg	☼	06/05/17 09:24	06/07/17 15:46	1
Benzo[b]fluoranthene	**440**		23	2.1	ug/Kg	☼	06/05/17 09:24	06/07/17 15:46	1
Benzo[g,h,i]perylene	**120**		23	1.2	ug/Kg	☼	06/05/17 09:24	06/07/17 15:46	1
Benzo[k]fluoranthene	**150**		23	2.4	ug/Kg	☼	06/05/17 09:24	06/07/17 15:46	1
Bis(2-chloroethoxy)methane	ND		350	77	ug/Kg	☼	06/05/17 09:24	06/07/17 15:46	1
Bis(2-chloroethyl)ether	ND		350	7.0	ug/Kg	☼	06/05/17 09:24	06/07/17 15:46	1
bis (2-chloroisopropyl) ether	ND		350	33	ug/Kg	☼	06/05/17 09:24	06/07/17 15:46	1
Bis(2-ethylhexyl) phthalate	**300**	**B**	240	66	ug/Kg	☼	06/05/17 09:24	06/07/17 15:46	1
4-Bromophenyl phenyl ether	ND		170	45	ug/Kg	☼	06/05/17 09:24	06/07/17 15:46	1
Butyl benzyl phthalate	ND		240	35	ug/Kg	☼	06/05/17 09:24	06/07/17 15:46	1
4-Chloroaniline	ND		520	59	ug/Kg	☼	06/05/17 09:24	06/07/17 15:46	1
4-Chloro-3-methylphenol	ND		520	73	ug/Kg	☼	06/05/17 09:24	06/07/17 15:46	1
2-Chloronaphthalene	ND		170	1.6	ug/Kg	☼	06/05/17 09:24	06/07/17 15:46	1
2-Chlorophenol	ND		170	29	ug/Kg	☼	06/05/17 09:24	06/07/17 15:46	1
4-Chlorophenyl phenyl ether	ND		170	45	ug/Kg	☼	06/05/17 09:24	06/07/17 15:46	1
Chrysene	**280**		23	3.8	ug/Kg	☼	06/05/17 09:24	06/07/17 15:46	1
Dibenz(a,h)anthracene	ND		23	2.3	ug/Kg	☼	06/05/17 09:24	06/07/17 15:46	1
Dibenzofuran	**24**	**J**	170	2.3	ug/Kg	☼	06/05/17 09:24	06/07/17 15:46	1
3,3'-Dichlorobenzidine	ND		350	63	ug/Kg	☼	06/05/17 09:24	06/07/17 15:46	1
2,4-Dichlorophenol	ND		520	70	ug/Kg	☼	06/05/17 09:24	06/07/17 15:46	1
Diethyl phthalate	ND		240	56	ug/Kg	☼	06/05/17 09:24	06/07/17 15:46	1
2,4-Dimethylphenol	ND		520	70	ug/Kg	☼	06/05/17 09:24	06/07/17 15:46	1
Dimethyl phthalate	ND		240	59	ug/Kg	☼	06/05/17 09:24	06/07/17 15:46	1
Di-n-butyl phthalate	ND		240	52	ug/Kg	☼	06/05/17 09:24	06/07/17 15:46	1
4,6-Dinitro-2-methylphenol	ND		520	32	ug/Kg	☼	06/05/17 09:24	06/07/17 15:46	1
2,4-Dinitrophenol	ND		1100	73	ug/Kg	☼	06/05/17 09:24	06/07/17 15:46	1
2,4-Dinitrotoluene	ND		700	59	ug/Kg	☼	06/05/17 09:24	06/07/17 15:46	1
2,6-Dinitrotoluene	ND		700	73	ug/Kg	☼	06/05/17 09:24	06/07/17 15:46	1
Di-n-octyl phthalate	ND		240	28	ug/Kg	☼	06/05/17 09:24	06/07/17 15:46	1
Fluoranthene	**520**		23	1.9	ug/Kg	☼	06/05/17 09:24	06/07/17 15:46	1
Fluorene	**25**		23	1.8	ug/Kg	☼	06/05/17 09:24	06/07/17 15:46	1
Hexachlorobenzene	ND		23	7.3	ug/Kg	☼	06/05/17 09:24	06/07/17 15:46	1
Hexachlorobutadiene	ND		170	20	ug/Kg	☼	06/05/17 09:24	06/07/17 15:46	1
Hexachlorocyclopentadiene	ND		1100	28	ug/Kg	☼	06/05/17 09:24	06/07/17 15:46	1
Hexachloroethane	ND		170	31	ug/Kg	☼	06/05/17 09:24	06/07/17 15:46	1
Indeno[1,2,3-cd]pyrene	**120**		23	1.2	ug/Kg	☼	06/05/17 09:24	06/07/17 15:46	1
Isophorone	ND		170	45	ug/Kg	☼	06/05/17 09:24	06/07/17 15:46	1
2-Methylnaphthalene	**53**		23	1.7	ug/Kg	☼	06/05/17 09:24	06/07/17 15:46	1
2-Methylphenol	ND		700	38	ug/Kg	☼	06/05/17 09:24	06/07/17 15:46	1
3 & 4 Methylphenol	ND		1400	70	ug/Kg	☼	06/05/17 09:24	06/07/17 15:46	1

Client Sample ID: SAMPLE SS5 - GRID B65

Date Collected: 06/01/17 13:55
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-6

Matrix: Solid
Percent Solids: 28.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**42**		23	2.9	ug/Kg	☼	06/05/17 09:24	06/07/17 15:46	1
2-Nitroaniline	ND		700	32	ug/Kg	☼	06/05/17 09:24	06/07/17 15:46	1
3-Nitroaniline	ND		700	56	ug/Kg	☼	06/05/17 09:24	06/07/17 15:46	1
4-Nitroaniline	ND		700	91	ug/Kg	☼	06/05/17 09:24	06/07/17 15:46	1
Nitrobenzene	ND		350	7.7	ug/Kg	☼	06/05/17 09:24	06/07/17 15:46	1
2-Nitrophenol	ND		170	29	ug/Kg	☼	06/05/17 09:24	06/07/17 15:46	1
4-Nitrophenol	ND		1100	59	ug/Kg	☼	06/05/17 09:24	06/07/17 15:46	1
N-Nitrosodi-n-propylamine	ND		170	22	ug/Kg	☼	06/05/17 09:24	06/07/17 15:46	1
N-Nitrosodiphenylamine	ND		170	73	ug/Kg	☼	06/05/17 09:24	06/07/17 15:46	1
Pentachlorophenol	ND		520	32	ug/Kg	☼	06/05/17 09:24	06/07/17 15:46	1
Phenanthrene	**140**		23	2.5	ug/Kg	☼	06/05/17 09:24	06/07/17 15:46	1
Phenol	ND		170	25	ug/Kg	☼	06/05/17 09:24	06/07/17 15:46	1
Pyrene	**400**		23	1.5	ug/Kg	☼	06/05/17 09:24	06/07/17 15:46	1
2,4,5-Trichlorophenol	ND		520	87	ug/Kg	☼	06/05/17 09:24	06/07/17 15:46	1
2,4,6-Trichlorophenol	ND		520	31	ug/Kg	☼	06/05/17 09:24	06/07/17 15:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*67*		*32 - 120*	*06/05/17 09:24*	*06/07/17 15:46*	*1*
2-Fluorophenol (Surr)	*62*		*29 - 120*	*06/05/17 09:24*	*06/07/17 15:46*	*1*
Nitrobenzene-d5 (Surr)	*61*		*30 - 120*	*06/05/17 09:24*	*06/07/17 15:46*	*1*
Phenol-d5 (Surr)	*66*		*29 - 120*	*06/05/17 09:24*	*06/07/17 15:46*	*1*
Terphenyl-d14 (Surr)	*74*		*41 - 120*	*06/05/17 09:24*	*06/07/17 15:46*	*1*
2,4,6-Tribromophenol (Surr)	*94*		*10 - 120*	*06/05/17 09:24*	*06/07/17 15:46*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C20	**2300**		880	260	mg/Kg	☼	06/09/17 10:51	06/13/17 21:58	5
C20-C34	**2400**		880	260	mg/Kg	☼	06/09/17 10:51	06/13/17 21:58	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*30*	*X*	*40 - 160*	*06/09/17 10:51*	*06/13/17 21:58*	*5*

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		18	8.3	ug/Kg	☼	06/06/17 09:50	06/09/17 18:54	1
alpha-BHC	ND		18	5.5	ug/Kg	☼	06/06/17 09:50	06/09/17 18:54	1
alpha-Chlordane	ND		18	13	ug/Kg	☼	06/06/17 09:50	06/09/17 18:54	1
beta-BHC	ND		18	14	ug/Kg	☼	06/06/17 09:50	06/09/17 18:54	1
4,4'-DDD	ND		18	11	ug/Kg	☼	06/06/17 09:50	06/09/17 18:54	1
4,4'-DDE	ND		18	4.2	ug/Kg	☼	06/06/17 09:50	06/09/17 18:54	1
4,4'-DDT	ND		18	4.9	ug/Kg	☼	06/06/17 09:50	06/09/17 18:54	1
delta-BHC	ND		18	4.5	ug/Kg	☼	06/06/17 09:50	06/09/17 18:54	1
Dieldrin	ND		18	3.1	ug/Kg	☼	06/06/17 09:50	06/09/17 18:54	1
Endosulfan I	ND		18	4.5	ug/Kg	☼	06/06/17 09:50	06/09/17 18:54	1
Endosulfan II	ND		18	6.2	ug/Kg	☼	06/06/17 09:50	06/09/17 18:54	1
Endosulfan sulfate	ND		18	4.2	ug/Kg	☼	06/06/17 09:50	06/09/17 18:54	1
Endrin	ND		18	4.9	ug/Kg	☼	06/06/17 09:50	06/09/17 18:54	1
Endrin aldehyde	ND		350	120	ug/Kg	☼	06/06/17 09:50	06/12/17 21:05	20
Endrin ketone	ND		18	3.8	ug/Kg	☼	06/06/17 09:50	06/09/17 18:54	1
gamma-BHC (Lindane)	ND		18	10	ug/Kg	☼	06/06/17 09:50	06/09/17 18:54	1

Client Sample ID: SAMPLE SS5 - GRID B65

Date Collected: 06/01/17 13:55
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-6

Matrix: Solid
Percent Solids: 28.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-Chlordane	ND		18	5.2	ug/Kg	☼	06/06/17 09:50	06/09/17 18:54	1
Heptachlor	ND		18	2.7	ug/Kg	☼	06/06/17 09:50	06/09/17 18:54	1
Heptachlor epoxide	ND		18	8.3	ug/Kg	☼	06/06/17 09:50	06/09/17 18:54	1
Methoxychlor	ND		34	4.2	ug/Kg	☼	06/06/17 09:50	06/09/17 18:54	1
Toxaphene	ND		350	130	ug/Kg	☼	06/06/17 09:50	06/09/17 18:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*84*		*13 - 135*	*06/06/17 09:50*	*06/09/17 18:54*	*1*
DCB Decachlorobiphenyl	*101*		*13 - 135*	*06/06/17 09:50*	*06/09/17 18:54*	*1*
DCB Decachlorobiphenyl	*78*		*13 - 135*	*06/06/17 09:50*	*06/12/17 21:05*	*20*
DCB Decachlorobiphenyl	*72*		*13 - 135*	*06/06/17 09:50*	*06/12/17 21:05*	*20*
Tetrachloro-m-xylene	*93*		*30 - 120*	*06/06/17 09:50*	*06/09/17 18:54*	*1*
Tetrachloro-m-xylene	*104*		*30 - 120*	*06/06/17 09:50*	*06/09/17 18:54*	*1*
Tetrachloro-m-xylene	*80*		*30 - 120*	*06/06/17 09:50*	*06/12/17 21:05*	*20*
Tetrachloro-m-xylene	*53*		*30 - 120*	*06/06/17 09:50*	*06/12/17 21:05*	*20*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		170	83	ug/Kg	☼	06/05/17 08:38	06/07/17 09:40	1
Aroclor-1221	ND		170	79	ug/Kg	☼	06/05/17 08:38	06/07/17 09:40	1
Aroclor-1232	ND		170	55	ug/Kg	☼	06/05/17 08:38	06/07/17 09:40	1
Aroclor-1242	ND		170	69	ug/Kg	☼	06/05/17 08:38	06/07/17 09:40	1
Aroclor-1248	ND		170	59	ug/Kg	☼	06/05/17 08:38	06/07/17 09:40	1
Aroclor-1254	**56**	**J**	170	48	ug/Kg	☼	06/05/17 08:38	06/07/17 09:40	1
Aroclor-1260	ND		170	62	ug/Kg	☼	06/05/17 08:38	06/07/17 09:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*81*		*14 - 128*	*06/05/17 08:38*	*06/07/17 09:40*	*1*
DCB Decachlorobiphenyl	*79*		*10 - 132*	*06/05/17 08:38*	*06/07/17 09:40*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	ND		830	100	ug/Kg	☼	06/09/17 08:29	06/13/17 20:17	1
Silvex (2,4,5-TP)	ND		210	21	ug/Kg	☼	06/09/17 08:29	06/13/17 20:17	1
2,4,5-T	ND		210	24	ug/Kg	☼	06/09/17 08:29	06/13/17 20:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*36*		*19 - 120*	*06/09/17 08:29*	*06/13/17 20:17*	*1*
2,4-Dichlorophenylacetic acid	*35*		*19 - 120*	*06/09/17 08:29*	*06/13/17 20:17*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6600**		49	14	mg/Kg	☼	06/06/17 11:24	06/07/17 19:56	1
Calcium	**48000**		1200	56	mg/Kg	☼	06/06/17 11:24	06/07/17 19:56	1
Iron	**23000**	**B**	24	7.8	mg/Kg	☼	06/06/17 11:24	06/07/17 19:56	1
Magnesium	**2200**	**B**	1200	13	mg/Kg	☼	06/06/17 11:24	06/07/17 19:56	1
Potassium	**650**	**J**	1200	15	mg/Kg	☼	06/06/17 11:24	06/07/17 19:56	1
Selenium	ND		1.2	0.83	mg/Kg	☼	06/06/17 11:24	06/07/17 19:56	1
Sodium	**520**	**J**	1200	46	mg/Kg	☼	06/06/17 11:24	06/07/17 19:56	1

Client Sample ID: SAMPLE SS5 - GRID B65

Date Collected: 06/01/17 13:55
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-6

Matrix: Solid
Percent Solids: 28.4

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	18		2.4	0.064	mg/Kg	☼	06/06/17 11:24	06/09/17 02:25	2
Barium	110		2.4	0.54	mg/Kg	☼	06/06/17 11:24	06/09/17 02:25	2
Cadmium	0.63		0.49	0.0090	mg/Kg	☼	06/06/17 11:24	06/09/17 02:25	2
Chromium	16	B	0.98	0.15	mg/Kg	☼	06/06/17 11:24	06/09/17 02:25	2
Copper	65	B	0.98	0.24	mg/Kg	☼	06/06/17 11:24	06/09/17 02:25	2
Lead	140	B	0.49	0.11	mg/Kg	☼	06/06/17 11:24	06/09/17 22:46	2
Manganese	600	B	2.4	0.29	mg/Kg	☼	06/06/17 11:24	06/09/17 02:25	2
Nickel	23		0.98	0.095	mg/Kg	☼	06/06/17 11:24	06/09/17 02:25	2
Strontium	88	B	4.9	0.061	mg/Kg	☼	06/06/17 11:24	06/09/17 02:25	2
Zinc	560	B	9.8	1.2	mg/Kg	☼	06/06/17 11:24	06/09/17 02:25	2

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.52		0.36	0.066	mg/Kg	☼	06/06/17 16:00	06/07/17 11:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Duplicates	96000		3500	2600	mg/Kg	☼		06/13/17 16:12	1
Percent Solids	28.4		0.1	0.1	%			06/05/17 08:34	1
Percent Moisture	71.6		0.1	0.1	%			06/05/17 08:34	1

Method: D422 - Grain Size

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gravel	43.0				%			06/06/17 21:44	1
Sieve Size 3 inch - Percent Finer	100.0				% Passing			06/06/17 21:44	1
Sand	31.9				%			06/06/17 21:44	1
Sieve Size 2 inch - Percent Finer	100.0				% Passing			06/06/17 21:44	1
Coarse Sand	6.6				%			06/06/17 21:44	1
Sieve Size 1.5 inch - Percent Finer	100.0				% Passing			06/06/17 21:44	1
Medium Sand	7.0				%			06/06/17 21:44	1
Sieve Size 1 inch - Percent Finer	100.0				% Passing			06/06/17 21:44	1
Fine Sand	18.3				%			06/06/17 21:44	1
Sieve Size 0.75 inch - Percent Finer	85.7				% Passing			06/06/17 21:44	1
Sieve Size 0.375 inch - Percent Finer	66.7				% Passing			06/06/17 21:44	1
Silt	15.4				%			06/06/17 21:44	1
Clay	9.8				%			06/06/17 21:44	1
Sieve Size #4 - Percent Finer	57.0				% Passing			06/06/17 21:44	1
Sieve Size #10 - Percent Finer	50.4				% Passing			06/06/17 21:44	1
Sieve Size #20 - Percent Finer	47.4				% Passing			06/06/17 21:44	1
Sieve Size #40 - Percent Finer	43.4				% Passing			06/06/17 21:44	1
Sieve Size #60 - Percent Finer	36.5				% Passing			06/06/17 21:44	1
Sieve Size #80 - Percent Finer	32.2				% Passing			06/06/17 21:44	1
Sieve Size #100 - Percent Finer	30.0				% Passing			06/06/17 21:44	1
Sieve Size #200 - Percent Finer	25.1				% Passing			06/06/17 21:44	1
Hydrometer Reading 1 - Percent Finer	17.5				% Passing			06/06/17 21:44	1
Hydrometer Reading 2 - Percent Finer	14.9				% Passing			06/06/17 21:44	1

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron Ohio

TestAmerica Job ID: 240-80352-1

Client Sample ID: SAMPLE SS5 - GRID B65
Date Collected: 06/01/17 13:55
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-6
Matrix: Solid
Percent Solids: 28.4

Method: D422 - Grain Size (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hydrometer Reading 3 - Percent Finer	14.9				% Passing			06/06/17 21:44	1
Hydrometer Reading 4 - Percent Finer	12.3				% Passing			06/06/17 21:44	1
Hydrometer Reading 5 - Percent Finer	9.8				% Passing			06/06/17 21:44	1
Hydrometer Reading 6 - Percent Finer	6.9				% Passing			06/06/17 21:44	1
Hydrometer Reading 7 - Percent Finer	4.3				% Passing			06/06/17 21:44	1

Client Sample ID: SAMPLE SS6 - GRID B65

Date Collected: 06/01/17 16:35
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-7

Matrix: Solid
Percent Solids: 28.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		17	0.78	ug/Kg	☼	06/06/17 11:43	06/06/17 16:23	1
1,1,2,2-Tetrachloroethane	ND		17	0.88	ug/Kg	☼	06/06/17 11:43	06/06/17 16:23	1
1,1,2-Trichloroethane	ND		17	1.3	ug/Kg	☼	06/06/17 11:43	06/06/17 16:23	1
1,1-Dichloroethane	ND		17	1.1	ug/Kg	☼	06/06/17 11:43	06/06/17 16:23	1
1,1-Dichloroethene	ND		17	1.8	ug/Kg	☼	06/06/17 11:43	06/06/17 16:23	1
1,2,4-Trichlorobenzene	ND		17	0.81	ug/Kg	☼	06/06/17 11:43	06/06/17 16:23	1
1,2-Dibromo-3-Chloropropane	ND		34	2.3	ug/Kg	☼	06/06/17 11:43	06/06/17 16:23	1
1,2-Dichlorobenzene	ND		17	0.74	ug/Kg	☼	06/06/17 11:43	06/06/17 16:23	1
1,2-Dichloroethane	ND		17	0.98	ug/Kg	☼	06/06/17 11:43	06/06/17 16:23	1
1,2-Dichloropropane	ND		17	1.0	ug/Kg	☼	06/06/17 11:43	06/06/17 16:23	1
1,3-Dichlorobenzene	ND		17	0.98	ug/Kg	☼	06/06/17 11:43	06/06/17 16:23	1
1,4-Dichlorobenzene	ND		17	1.2	ug/Kg	☼	06/06/17 11:43	06/06/17 16:23	1
2-Hexanone	ND		68	2.0	ug/Kg	☼	06/06/17 11:43	06/06/17 16:23	1
Acetone	**68**		68	10	ug/Kg	☼	06/06/17 11:43	06/06/17 16:23	1
Benzene	ND		17	1.1	ug/Kg	☼	06/06/17 11:43	06/06/17 16:23	1
Bromoform	ND		17	1.4	ug/Kg	☼	06/06/17 11:43	06/06/17 16:23	1
Bromomethane	ND		34	2.0	ug/Kg	☼	06/06/17 11:43	06/06/17 16:23	1
Carbon disulfide	**9.4**	**J**	17	0.71	ug/Kg	☼	06/06/17 11:43	06/06/17 16:23	1
Carbon tetrachloride	ND		17	0.84	ug/Kg	☼	06/06/17 11:43	06/06/17 16:23	1
Chlorobenzene	ND		17	1.1	ug/Kg	☼	06/06/17 11:43	06/06/17 16:23	1
Chloroethane	ND		34	1.3	ug/Kg	☼	06/06/17 11:43	06/06/17 16:23	1
Chloroform	ND		17	0.78	ug/Kg	☼	06/06/17 11:43	06/06/17 16:23	1
Chloromethane	ND		34	1.3	ug/Kg	☼	06/06/17 11:43	06/06/17 16:23	1
cis-1,2-Dichloroethene	ND		8.4	0.95	ug/Kg	☼	06/06/17 11:43	06/06/17 16:23	1
cis-1,3-Dichloropropene	ND		17	0.88	ug/Kg	☼	06/06/17 11:43	06/06/17 16:23	1
Dichlorobromomethane	ND		17	1.1	ug/Kg	☼	06/06/17 11:43	06/06/17 16:23	1
Dichlorodifluoromethane	ND		34	1.2	ug/Kg	☼	06/06/17 11:43	06/06/17 16:23	1
Ethylbenzene	ND		17	0.91	ug/Kg	☼	06/06/17 11:43	06/06/17 16:23	1
Ethylene Dibromide	ND		17	1.2	ug/Kg	☼	06/06/17 11:43	06/06/17 16:23	1
Isopropylbenzene	ND		17	0.68	ug/Kg	☼	06/06/17 11:43	06/06/17 16:23	1
2-Butanone (MEK)	**16**	**J**	68	4.3	ug/Kg	☼	06/06/17 11:43	06/06/17 16:23	1
4-Methyl-2-pentanone (MIBK)	ND		68	3.0	ug/Kg	☼	06/06/17 11:43	06/06/17 16:23	1
Methyl tert-butyl ether	ND		17	0.91	ug/Kg	☼	06/06/17 11:43	06/06/17 16:23	1
Methylene Chloride	**1.8**	**J B**	17	0.81	ug/Kg	☼	06/06/17 11:43	06/06/17 16:23	1
Styrene	ND		17	0.91	ug/Kg	☼	06/06/17 11:43	06/06/17 16:23	1
Tetrachloroethene	ND		17	1.2	ug/Kg	☼	06/06/17 11:43	06/06/17 16:23	1
Toluene	ND		17	1.1	ug/Kg	☼	06/06/17 11:43	06/06/17 16:23	1
trans-1,2-Dichloroethene	ND		8.4	1.3	ug/Kg	☼	06/06/17 11:43	06/06/17 16:23	1
trans-1,3-Dichloropropene	ND		17	0.71	ug/Kg	☼	06/06/17 11:43	06/06/17 16:23	1
Trichloroethene	ND		17	1.4	ug/Kg	☼	06/06/17 11:43	06/06/17 16:23	1
Trichlorofluoromethane	ND		34	0.81	ug/Kg	☼	06/06/17 11:43	06/06/17 16:23	1
Vinyl chloride	ND		34	0.95	ug/Kg	☼	06/06/17 11:43	06/06/17 16:23	1
Xylenes, Total	ND		17	1.4	ug/Kg	☼	06/06/17 11:43	06/06/17 16:23	1
Chlorodibromomethane	ND		17	1.0	ug/Kg	☼	06/06/17 11:43	06/06/17 16:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*80*		*61 - 127*	*06/06/17 11:43*	*06/06/17 16:23*	*1*
4-Bromofluorobenzene (Surr)	*111*		*61 - 132*	*06/06/17 11:43*	*06/06/17 16:23*	*1*
Toluene-d8 (Surr)	*81*		*66 - 125*	*06/06/17 11:43*	*06/06/17 16:23*	*1*

Client Sample ID: SAMPLE SS6 - GRID B65

Date Collected: 06/01/17 16:35
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-7

Matrix: Solid
Percent Solids: 28.3

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	*83*		*43 - 131*	*06/06/17 11:43*	*06/06/17 16:23*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		24	2.7	ug/Kg	☼	06/05/17 09:24	06/07/17 14:35	1
Acenaphthylene	ND		24	1.2	ug/Kg	☼	06/05/17 09:24	06/07/17 14:35	1
Acetophenone	ND		360	33	ug/Kg	☼	06/05/17 09:24	06/07/17 14:35	1
Anthracene	ND		24	2.8	ug/Kg	☼	06/05/17 09:24	06/07/17 14:35	1
Benzo[a]anthracene	**44**		24	2.2	ug/Kg	☼	06/05/17 09:24	06/07/17 14:35	1
Benzo[a]pyrene	**45**		24	2.3	ug/Kg	☼	06/05/17 09:24	06/07/17 14:35	1
Benzo[b]fluoranthene	**78**		24	2.1	ug/Kg	☼	06/05/17 09:24	06/07/17 14:35	1
Benzo[g,h,i]perylene	**32**		24	1.2	ug/Kg	☼	06/05/17 09:24	06/07/17 14:35	1
Benzo[k]fluoranthene	ND		24	2.4	ug/Kg	☼	06/05/17 09:24	06/07/17 14:35	1
Bis(2-chloroethoxy)methane	ND		360	78	ug/Kg	☼	06/05/17 09:24	06/07/17 14:35	1
Bis(2-chloroethyl)ether	ND		360	7.1	ug/Kg	☼	06/05/17 09:24	06/07/17 14:35	1
bis (2-chloroisopropyl) ether	ND		360	34	ug/Kg	☼	06/05/17 09:24	06/07/17 14:35	1
Bis(2-ethylhexyl) phthalate	**200**	**J B**	250	67	ug/Kg	☼	06/05/17 09:24	06/07/17 14:35	1
4-Bromophenyl phenyl ether	ND		180	46	ug/Kg	☼	06/05/17 09:24	06/07/17 14:35	1
Butyl benzyl phthalate	ND		250	36	ug/Kg	☼	06/05/17 09:24	06/07/17 14:35	1
4-Chloroaniline	ND		530	60	ug/Kg	☼	06/05/17 09:24	06/07/17 14:35	1
4-Chloro-3-methylphenol	ND		530	75	ug/Kg	☼	06/05/17 09:24	06/07/17 14:35	1
2-Chloronaphthalene	ND		180	1.6	ug/Kg	☼	06/05/17 09:24	06/07/17 14:35	1
2-Chlorophenol	ND		180	29	ug/Kg	☼	06/05/17 09:24	06/07/17 14:35	1
4-Chlorophenyl phenyl ether	ND		180	46	ug/Kg	☼	06/05/17 09:24	06/07/17 14:35	1
Chrysene	**51**		24	3.9	ug/Kg	☼	06/05/17 09:24	06/07/17 14:35	1
Dibenz(a,h)anthracene	ND		24	2.3	ug/Kg	☼	06/05/17 09:24	06/07/17 14:35	1
Dibenzofuran	ND		180	2.3	ug/Kg	☼	06/05/17 09:24	06/07/17 14:35	1
3,3'-Dichlorobenzidine	ND		360	64	ug/Kg	☼	06/05/17 09:24	06/07/17 14:35	1
2,4-Dichlorophenol	ND		530	71	ug/Kg	☼	06/05/17 09:24	06/07/17 14:35	1
Diethyl phthalate	ND		250	57	ug/Kg	☼	06/05/17 09:24	06/07/17 14:35	1
2,4-Dimethylphenol	ND		530	71	ug/Kg	☼	06/05/17 09:24	06/07/17 14:35	1
Dimethyl phthalate	ND		250	60	ug/Kg	☼	06/05/17 09:24	06/07/17 14:35	1
Di-n-butyl phthalate	ND		250	53	ug/Kg	☼	06/05/17 09:24	06/07/17 14:35	1
4,6-Dinitro-2-methylphenol	ND		530	33	ug/Kg	☼	06/05/17 09:24	06/07/17 14:35	1
2,4-Dinitrophenol	ND		1200	75	ug/Kg	☼	06/05/17 09:24	06/07/17 14:35	1
2,4-Dinitrotoluene	ND		710	60	ug/Kg	☼	06/05/17 09:24	06/07/17 14:35	1
2,6-Dinitrotoluene	ND		710	75	ug/Kg	☼	06/05/17 09:24	06/07/17 14:35	1
Di-n-octyl phthalate	ND		250	28	ug/Kg	☼	06/05/17 09:24	06/07/17 14:35	1
Fluoranthene	**120**		24	2.0	ug/Kg	☼	06/05/17 09:24	06/07/17 14:35	1
Fluorene	ND		24	1.9	ug/Kg	☼	06/05/17 09:24	06/07/17 14:35	1
Hexachlorobenzene	ND		24	7.5	ug/Kg	☼	06/05/17 09:24	06/07/17 14:35	1
Hexachlorobutadiene	ND		180	20	ug/Kg	☼	06/05/17 09:24	06/07/17 14:35	1
Hexachlorocyclopentadiene	ND		1200	29	ug/Kg	☼	06/05/17 09:24	06/07/17 14:35	1
Hexachloroethane	ND		180	32	ug/Kg	☼	06/05/17 09:24	06/07/17 14:35	1
Indeno[1,2,3-cd]pyrene	**28**		24	1.2	ug/Kg	☼	06/05/17 09:24	06/07/17 14:35	1
Isophorone	ND		180	46	ug/Kg	☼	06/05/17 09:24	06/07/17 14:35	1
2-Methylnaphthalene	**22**	**J**	24	1.8	ug/Kg	☼	06/05/17 09:24	06/07/17 14:35	1
2-Methylphenol	ND		710	39	ug/Kg	☼	06/05/17 09:24	06/07/17 14:35	1
3 & 4 Methylphenol	ND		1400	71	ug/Kg	☼	06/05/17 09:24	06/07/17 14:35	1

Client Sample ID: SAMPLE SS6 - GRID B65

Date Collected: 06/01/17 16:35
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-7

Matrix: Solid
Percent Solids: 28.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**16**	**J**	24	2.9	ug/Kg	☼	06/05/17 09:24	06/07/17 14:35	1
2-Nitroaniline	ND		710	32	ug/Kg	☼	06/05/17 09:24	06/07/17 14:35	1
3-Nitroaniline	ND		710	57	ug/Kg	☼	06/05/17 09:24	06/07/17 14:35	1
4-Nitroaniline	ND		710	92	ug/Kg	☼	06/05/17 09:24	06/07/17 14:35	1
Nitrobenzene	ND		360	7.8	ug/Kg	☼	06/05/17 09:24	06/07/17 14:35	1
2-Nitrophenol	ND		180	29	ug/Kg	☼	06/05/17 09:24	06/07/17 14:35	1
4-Nitrophenol	ND		1200	60	ug/Kg	☼	06/05/17 09:24	06/07/17 14:35	1
N-Nitrosodi-n-propylamine	ND		180	22	ug/Kg	☼	06/05/17 09:24	06/07/17 14:35	1
N-Nitrosodiphenylamine	ND		180	75	ug/Kg	☼	06/05/17 09:24	06/07/17 14:35	1
Pentachlorophenol	ND		530	32	ug/Kg	☼	06/05/17 09:24	06/07/17 14:35	1
Phenanthrene	**31**		24	2.6	ug/Kg	☼	06/05/17 09:24	06/07/17 14:35	1
Phenol	ND		180	26	ug/Kg	☼	06/05/17 09:24	06/07/17 14:35	1
Pyrene	**98**		24	1.6	ug/Kg	☼	06/05/17 09:24	06/07/17 14:35	1
2,4,5-Trichlorophenol	ND		530	89	ug/Kg	☼	06/05/17 09:24	06/07/17 14:35	1
2,4,6-Trichlorophenol	ND		530	32	ug/Kg	☼	06/05/17 09:24	06/07/17 14:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*68*		*32 - 120*	*06/05/17 09:24*	*06/07/17 14:35*	*1*
2-Fluorophenol (Surr)	*62*		*29 - 120*	*06/05/17 09:24*	*06/07/17 14:35*	*1*
Nitrobenzene-d5 (Surr)	*61*		*30 - 120*	*06/05/17 09:24*	*06/07/17 14:35*	*1*
Phenol-d5 (Surr)	*65*		*29 - 120*	*06/05/17 09:24*	*06/07/17 14:35*	*1*
Terphenyl-d14 (Surr)	*74*		*41 - 120*	*06/05/17 09:24*	*06/07/17 14:35*	*1*
2,4,6-Tribromophenol (Surr)	*95*		*10 - 120*	*06/05/17 09:24*	*06/07/17 14:35*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C20	**5500**		880	260	mg/Kg	☼	06/09/17 10:51	06/13/17 22:26	5
C20-C34	**3600**		880	260	mg/Kg	☼	06/09/17 10:51	06/13/17 22:26	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*57*		*40 - 160*	*06/09/17 10:51*	*06/13/17 22:26*	*5*

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		18	8.4	ug/Kg	☼	06/06/17 09:50	06/09/17 19:19	1
alpha-BHC	ND		18	5.6	ug/Kg	☼	06/06/17 09:50	06/09/17 19:19	1
alpha-Chlordane	ND		18	13	ug/Kg	☼	06/06/17 09:50	06/09/17 19:19	1
beta-BHC	ND		18	14	ug/Kg	☼	06/06/17 09:50	06/09/17 19:19	1
4,4'-DDD	ND		18	12	ug/Kg	☼	06/06/17 09:50	06/09/17 19:19	1
4,4'-DDE	ND		18	4.2	ug/Kg	☼	06/06/17 09:50	06/09/17 19:19	1
4,4'-DDT	ND		18	4.9	ug/Kg	☼	06/06/17 09:50	06/09/17 19:19	1
delta-BHC	ND		18	4.5	ug/Kg	☼	06/06/17 09:50	06/09/17 19:19	1
Dieldrin	ND		18	3.1	ug/Kg	☼	06/06/17 09:50	06/09/17 19:19	1
Endosulfan I	ND		18	4.5	ug/Kg	☼	06/06/17 09:50	06/09/17 19:19	1
Endosulfan II	ND		18	6.3	ug/Kg	☼	06/06/17 09:50	06/09/17 19:19	1
Endosulfan sulfate	ND		18	4.2	ug/Kg	☼	06/06/17 09:50	06/09/17 19:19	1
Endrin	ND		18	4.9	ug/Kg	☼	06/06/17 09:50	06/09/17 19:19	1
Endrin aldehyde	ND		360	130	ug/Kg	☼	06/06/17 09:50	06/12/17 21:31	20
Endrin ketone	ND		18	3.8	ug/Kg	☼	06/06/17 09:50	06/09/17 19:19	1
gamma-BHC (Lindane)	ND		18	10	ug/Kg	☼	06/06/17 09:50	06/09/17 19:19	1

Client Sample ID: SAMPLE SS6 - GRID B65

Date Collected: 06/01/17 16:35
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-7

Matrix: Solid
Percent Solids: 28.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-Chlordane	ND		18	5.2	ug/Kg	☼	06/06/17 09:50	06/09/17 19:19	1
Heptachlor	ND		18	2.7	ug/Kg	☼	06/06/17 09:50	06/09/17 19:19	1
Heptachlor epoxide	ND		18	8.4	ug/Kg	☼	06/06/17 09:50	06/09/17 19:19	1
Methoxychlor	ND		35	4.2	ug/Kg	☼	06/06/17 09:50	06/09/17 19:19	1
Toxaphene	ND		350	130	ug/Kg	☼	06/06/17 09:50	06/09/17 19:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*71*		*13 - 135*	*06/06/17 09:50*	*06/09/17 19:19*	*1*
DCB Decachlorobiphenyl	*87*		*13 - 135*	*06/06/17 09:50*	*06/09/17 19:19*	*1*
DCB Decachlorobiphenyl	*80*		*13 - 135*	*06/06/17 09:50*	*06/12/17 21:31*	*20*
DCB Decachlorobiphenyl	*84*		*13 - 135*	*06/06/17 09:50*	*06/12/17 21:31*	*20*
Tetrachloro-m-xylene	*101*		*30 - 120*	*06/06/17 09:50*	*06/09/17 19:19*	*1*
Tetrachloro-m-xylene	*114*		*30 - 120*	*06/06/17 09:50*	*06/09/17 19:19*	*1*
Tetrachloro-m-xylene	*92*		*30 - 120*	*06/06/17 09:50*	*06/12/17 21:31*	*20*
Tetrachloro-m-xylene	*92*		*30 - 120*	*06/06/17 09:50*	*06/12/17 21:31*	*20*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		180	85	ug/Kg	☼	06/05/17 08:38	06/07/17 09:59	1
Aroclor-1221	ND		180	82	ug/Kg	☼	06/05/17 08:38	06/07/17 09:59	1
Aroclor-1232	ND		180	57	ug/Kg	☼	06/05/17 08:38	06/07/17 09:59	1
Aroclor-1242	ND		180	71	ug/Kg	☼	06/05/17 08:38	06/07/17 09:59	1
Aroclor-1248	ND		180	60	ug/Kg	☼	06/05/17 08:38	06/07/17 09:59	1
Aroclor-1254	ND		180	50	ug/Kg	☼	06/05/17 08:38	06/07/17 09:59	1
Aroclor-1260	ND		180	64	ug/Kg	☼	06/05/17 08:38	06/07/17 09:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*89*		*14 - 128*	*06/05/17 08:38*	*06/07/17 09:59*	*1*
DCB Decachlorobiphenyl	*80*		*10 - 132*	*06/05/17 08:38*	*06/07/17 09:59*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	ND		850	110	ug/Kg	☼	06/09/17 08:29	06/13/17 21:19	1
Silvex (2,4,5-TP)	ND		210	21	ug/Kg	☼	06/09/17 08:29	06/13/17 21:19	1
2,4,5-T	ND		210	25	ug/Kg	☼	06/09/17 08:29	06/13/17 21:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*38*		*19 - 120*	*06/09/17 08:29*	*06/13/17 21:19*	*1*
2,4-Dichlorophenylacetic acid	*36*		*19 - 120*	*06/09/17 08:29*	*06/13/17 21:19*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6200**		64	18	mg/Kg	☼	06/06/17 11:24	06/07/17 20:00	1
Calcium	**32000**		1600	73	mg/Kg	☼	06/06/17 11:24	06/07/17 20:00	1
Iron	**29000**	**B**	32	10	mg/Kg	☼	06/06/17 11:24	06/07/17 20:00	1
Magnesium	**2000**	**B**	1600	17	mg/Kg	☼	06/06/17 11:24	06/07/17 20:00	1
Potassium	**600**	**J**	1600	20	mg/Kg	☼	06/06/17 11:24	06/07/17 20:00	1
Selenium	ND		1.6	1.1	mg/Kg	☼	06/06/17 11:24	06/07/17 20:00	1
Sodium	**500**	**J**	1600	61	mg/Kg	☼	06/06/17 11:24	06/07/17 20:00	1

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron Ohio

TestAmerica Job ID: 240-80352-1

Client Sample ID: SAMPLE SS6 - GRID B65
Date Collected: 06/01/17 16:35
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-7
Matrix: Solid
Percent Solids: 28.3

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	14		3.2	0.083	mg/Kg	☼	06/06/17 11:24	06/09/17 02:30	2
Barium	110		3.2	0.70	mg/Kg	☼	06/06/17 11:24	06/09/17 02:30	2
Cadmium	0.39	J	0.64	0.012	mg/Kg	☼	06/06/17 11:24	06/09/17 02:30	2
Chromium	11	B	1.3	0.19	mg/Kg	☼	06/06/17 11:24	06/09/17 02:30	2
Copper	26	B	1.3	0.31	mg/Kg	☼	06/06/17 11:24	06/09/17 02:30	2
Lead	98	B	0.64	0.14	mg/Kg	☼	06/06/17 11:24	06/09/17 22:50	2
Manganese	770	B	3.2	0.38	mg/Kg	☼	06/06/17 11:24	06/09/17 02:30	2
Nickel	19		1.3	0.12	mg/Kg	☼	06/06/17 11:24	06/09/17 02:30	2
Strontium	53	B	6.4	0.080	mg/Kg	☼	06/06/17 11:24	06/09/17 02:30	2
Zinc	330	B	13	1.6	mg/Kg	☼	06/06/17 11:24	06/09/17 02:30	2

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.24	J	0.39	0.071	mg/Kg	☼	06/06/17 16:00	06/07/17 11:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Duplicates	120000		3500	2600	mg/Kg	☼		06/13/17 16:23	1
Percent Solids	28.3		0.1	0.1	%			06/05/17 08:34	1
Percent Moisture	71.7		0.1	0.1	%			06/05/17 08:34	1

Method: D422 - Grain Size

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gravel	26.4				%			06/06/17 21:45	1
Sieve Size 3 inch - Percent Finer	100.0				% Passing			06/06/17 21:45	1
Sand	31.9				%			06/06/17 21:45	1
Sieve Size 2 inch - Percent Finer	100.0				% Passing			06/06/17 21:45	1
Coarse Sand	6.3				%			06/06/17 21:45	1
Sieve Size 1.5 inch - Percent Finer	100.0				% Passing			06/06/17 21:45	1
Medium Sand	14.8				%			06/06/17 21:45	1
Sieve Size 1 inch - Percent Finer	100.0				% Passing			06/06/17 21:45	1
Fine Sand	10.8				%			06/06/17 21:45	1
Sieve Size 0.75 inch - Percent Finer	100.0				% Passing			06/06/17 21:45	1
Sieve Size 0.375 inch - Percent Finer	85.9				% Passing			06/06/17 21:45	1
Silt	28.6				%			06/06/17 21:45	1
Clay	13.1				%			06/06/17 21:45	1
Sieve Size #4 - Percent Finer	73.6				% Passing			06/06/17 21:45	1
Sieve Size #10 - Percent Finer	67.3				% Passing			06/06/17 21:45	1
Sieve Size #20 - Percent Finer	58.4				% Passing			06/06/17 21:45	1
Sieve Size #40 - Percent Finer	52.5				% Passing			06/06/17 21:45	1
Sieve Size #60 - Percent Finer	46.9				% Passing			06/06/17 21:45	1
Sieve Size #80 - Percent Finer	44.9				% Passing			06/06/17 21:45	1
Sieve Size #100 - Percent Finer	44.0				% Passing			06/06/17 21:45	1
Sieve Size #200 - Percent Finer	41.7				% Passing			06/06/17 21:45	1
Hydrometer Reading 1 - Percent Finer	23.5				% Passing			06/06/17 21:45	1
Hydrometer Reading 2 - Percent Finer	20.0				% Passing			06/06/17 21:45	1

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron Ohio

TestAmerica Job ID: 240-80352-1

Client Sample ID: SAMPLE SS6 - GRID B65
Date Collected: 06/01/17 16:35
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-7
Matrix: Solid
Percent Solids: 28.3

Method: D422 - Grain Size (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hydrometer Reading 3 - Percent Finer	16.5				% Passing			06/06/17 21:45	1
Hydrometer Reading 4 - Percent Finer	16.5				% Passing			06/06/17 21:45	1
Hydrometer Reading 5 - Percent Finer	13.1				% Passing			06/06/17 21:45	1
Hydrometer Reading 6 - Percent Finer	5.8				% Passing			06/06/17 21:45	1
Hydrometer Reading 7 - Percent Finer	5.8				% Passing			06/06/17 21:45	1

Client Sample ID: SAMPLE SS7 - GRID B12

Date Collected: 06/01/17 14:55
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-8

Matrix: Solid
Percent Solids: 22.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		19	0.89	ug/Kg	☼	06/06/17 11:43	06/06/17 16:45	1
1,1,2,2-Tetrachloroethane	ND		19	1.0	ug/Kg	☼	06/06/17 11:43	06/06/17 16:45	1
1,1,2-Trichloroethane	ND		19	1.5	ug/Kg	☼	06/06/17 11:43	06/06/17 16:45	1
1,1-Dichloroethane	ND		19	1.3	ug/Kg	☼	06/06/17 11:43	06/06/17 16:45	1
1,1-Dichloroethene	ND		19	2.1	ug/Kg	☼	06/06/17 11:43	06/06/17 16:45	1
1,2,4-Trichlorobenzene	ND		19	0.93	ug/Kg	☼	06/06/17 11:43	06/06/17 16:45	1
1,2-Dibromo-3-Chloropropane	ND		39	2.6	ug/Kg	☼	06/06/17 11:43	06/06/17 16:45	1
1,2-Dichlorobenzene	ND		19	0.85	ug/Kg	☼	06/06/17 11:43	06/06/17 16:45	1
1,2-Dichloroethane	ND		19	1.1	ug/Kg	☼	06/06/17 11:43	06/06/17 16:45	1
1,2-Dichloropropane	ND		19	1.2	ug/Kg	☼	06/06/17 11:43	06/06/17 16:45	1
1,3-Dichlorobenzene	ND		19	1.1	ug/Kg	☼	06/06/17 11:43	06/06/17 16:45	1
1,4-Dichlorobenzene	ND		19	1.4	ug/Kg	☼	06/06/17 11:43	06/06/17 16:45	1
2-Hexanone	ND		77	2.2	ug/Kg	☼	06/06/17 11:43	06/06/17 16:45	1
Acetone	ND		77	12	ug/Kg	☼	06/06/17 11:43	06/06/17 16:45	1
Benzene	ND		19	1.2	ug/Kg	☼	06/06/17 11:43	06/06/17 16:45	1
Bromoform	ND		19	1.5	ug/Kg	☼	06/06/17 11:43	06/06/17 16:45	1
Bromomethane	ND		39	2.3	ug/Kg	☼	06/06/17 11:43	06/06/17 16:45	1
Carbon disulfide	**1.6**	**J**	19	0.81	ug/Kg	☼	06/06/17 11:43	06/06/17 16:45	1
Carbon tetrachloride	ND		19	0.97	ug/Kg	☼	06/06/17 11:43	06/06/17 16:45	1
Chlorobenzene	ND		19	1.3	ug/Kg	☼	06/06/17 11:43	06/06/17 16:45	1
Chloroethane	ND		39	1.5	ug/Kg	☼	06/06/17 11:43	06/06/17 16:45	1
Chloroform	ND		19	0.89	ug/Kg	☼	06/06/17 11:43	06/06/17 16:45	1
Chloromethane	ND		39	1.5	ug/Kg	☼	06/06/17 11:43	06/06/17 16:45	1
cis-1,2-Dichloroethene	ND		9.7	1.1	ug/Kg	☼	06/06/17 11:43	06/06/17 16:45	1
cis-1,3-Dichloropropene	ND		19	1.0	ug/Kg	☼	06/06/17 11:43	06/06/17 16:45	1
Dichlorobromomethane	ND		19	1.3	ug/Kg	☼	06/06/17 11:43	06/06/17 16:45	1
Dichlorodifluoromethane	ND		39	1.4	ug/Kg	☼	06/06/17 11:43	06/06/17 16:45	1
Ethylbenzene	ND		19	1.0	ug/Kg	☼	06/06/17 11:43	06/06/17 16:45	1
Ethylene Dibromide	ND		19	1.4	ug/Kg	☼	06/06/17 11:43	06/06/17 16:45	1
Isopropylbenzene	ND		19	0.77	ug/Kg	☼	06/06/17 11:43	06/06/17 16:45	1
2-Butanone (MEK)	ND		77	4.9	ug/Kg	☼	06/06/17 11:43	06/06/17 16:45	1
4-Methyl-2-pentanone (MIBK)	ND		77	3.4	ug/Kg	☼	06/06/17 11:43	06/06/17 16:45	1
Methyl tert-butyl ether	ND		19	1.0	ug/Kg	☼	06/06/17 11:43	06/06/17 16:45	1
Methylene Chloride	**2.4**	**J B**	19	0.93	ug/Kg	☼	06/06/17 11:43	06/06/17 16:45	1
Styrene	ND		19	1.0	ug/Kg	☼	06/06/17 11:43	06/06/17 16:45	1
Tetrachloroethene	ND		19	1.4	ug/Kg	☼	06/06/17 11:43	06/06/17 16:45	1
Toluene	ND		19	1.3	ug/Kg	☼	06/06/17 11:43	06/06/17 16:45	1
trans-1,2-Dichloroethene	ND		9.7	1.5	ug/Kg	☼	06/06/17 11:43	06/06/17 16:45	1
trans-1,3-Dichloropropene	ND		19	0.81	ug/Kg	☼	06/06/17 11:43	06/06/17 16:45	1
Trichloroethene	ND		19	1.6	ug/Kg	☼	06/06/17 11:43	06/06/17 16:45	1
Trichlorofluoromethane	ND		39	0.93	ug/Kg	☼	06/06/17 11:43	06/06/17 16:45	1
Vinyl chloride	ND		39	1.1	ug/Kg	☼	06/06/17 11:43	06/06/17 16:45	1
Xylenes, Total	ND		19	1.5	ug/Kg	☼	06/06/17 11:43	06/06/17 16:45	1
Chlorodibromomethane	ND		19	1.2	ug/Kg	☼	06/06/17 11:43	06/06/17 16:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*71*		*61 - 127*	*06/06/17 11:43*	*06/06/17 16:45*	*1*
4-Bromofluorobenzene (Surr)	*118*		*61 - 132*	*06/06/17 11:43*	*06/06/17 16:45*	*1*
Toluene-d8 (Surr)	*83*		*66 - 125*	*06/06/17 11:43*	*06/06/17 16:45*	*1*

Client Sample ID: SAMPLE SS7 - GRID B12

Date Collected: 06/01/17 14:55
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-8

Matrix: Solid
Percent Solids: 22.1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	*79*		*43 - 131*	*06/06/17 11:43*	*06/06/17 16:45*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		30	3.4	ug/Kg	☼	06/05/17 09:24	06/07/17 14:58	1
Acenaphthylene	ND		30	1.6	ug/Kg	☼	06/05/17 09:24	06/07/17 14:58	1
Acetophenone	ND		450	42	ug/Kg	☼	06/05/17 09:24	06/07/17 14:58	1
Anthracene	ND		30	3.5	ug/Kg	☼	06/05/17 09:24	06/07/17 14:58	1
Benzo[a]anthracene	**27**	**J**	30	2.9	ug/Kg	☼	06/05/17 09:24	06/07/17 14:58	1
Benzo[a]pyrene	**40**		30	2.9	ug/Kg	☼	06/05/17 09:24	06/07/17 14:58	1
Benzo[b]fluoranthene	**74**		30	2.7	ug/Kg	☼	06/05/17 09:24	06/07/17 14:58	1
Benzo[g,h,i]perylene	**24**	**J**	30	1.6	ug/Kg	☼	06/05/17 09:24	06/07/17 14:58	1
Benzo[k]fluoranthene	**26**	**J**	30	3.1	ug/Kg	☼	06/05/17 09:24	06/07/17 14:58	1
Bis(2-chloroethoxy)methane	ND		450	100	ug/Kg	☼	06/05/17 09:24	06/07/17 14:58	1
Bis(2-chloroethyl)ether	ND		450	9.1	ug/Kg	☼	06/05/17 09:24	06/07/17 14:58	1
bis (2-chloroisopropyl) ether	ND		450	43	ug/Kg	☼	06/05/17 09:24	06/07/17 14:58	1
Bis(2-ethylhexyl) phthalate	**300**	**J B**	320	86	ug/Kg	☼	06/05/17 09:24	06/07/17 14:58	1
4-Bromophenyl phenyl ether	ND		230	59	ug/Kg	☼	06/05/17 09:24	06/07/17 14:58	1
Butyl benzyl phthalate	ND		320	45	ug/Kg	☼	06/05/17 09:24	06/07/17 14:58	1
4-Chloroaniline	ND		680	77	ug/Kg	☼	06/05/17 09:24	06/07/17 14:58	1
4-Chloro-3-methylphenol	ND		680	95	ug/Kg	☼	06/05/17 09:24	06/07/17 14:58	1
2-Chloronaphthalene	ND		230	2.0	ug/Kg	☼	06/05/17 09:24	06/07/17 14:58	1
2-Chlorophenol	ND		230	37	ug/Kg	☼	06/05/17 09:24	06/07/17 14:58	1
4-Chlorophenyl phenyl ether	ND		230	59	ug/Kg	☼	06/05/17 09:24	06/07/17 14:58	1
Chrysene	**30**		30	5.0	ug/Kg	☼	06/05/17 09:24	06/07/17 14:58	1
Dibenz(a,h)anthracene	ND		30	3.0	ug/Kg	☼	06/05/17 09:24	06/07/17 14:58	1
Dibenzofuran	ND		230	3.0	ug/Kg	☼	06/05/17 09:24	06/07/17 14:58	1
3,3'-Dichlorobenzidine	ND		450	82	ug/Kg	☼	06/05/17 09:24	06/07/17 14:58	1
2,4-Dichlorophenol	ND		680	91	ug/Kg	☼	06/05/17 09:24	06/07/17 14:58	1
Diethyl phthalate	ND		320	73	ug/Kg	☼	06/05/17 09:24	06/07/17 14:58	1
2,4-Dimethylphenol	ND		680	91	ug/Kg	☼	06/05/17 09:24	06/07/17 14:58	1
Dimethyl phthalate	ND		320	77	ug/Kg	☼	06/05/17 09:24	06/07/17 14:58	1
Di-n-butyl phthalate	ND		320	68	ug/Kg	☼	06/05/17 09:24	06/07/17 14:58	1
4,6-Dinitro-2-methylphenol	ND		680	42	ug/Kg	☼	06/05/17 09:24	06/07/17 14:58	1
2,4-Dinitrophenol	ND		1500	95	ug/Kg	☼	06/05/17 09:24	06/07/17 14:58	1
2,4-Dinitrotoluene	ND		910	77	ug/Kg	☼	06/05/17 09:24	06/07/17 14:58	1
2,6-Dinitrotoluene	ND		910	95	ug/Kg	☼	06/05/17 09:24	06/07/17 14:58	1
Di-n-octyl phthalate	ND		320	36	ug/Kg	☼	06/05/17 09:24	06/07/17 14:58	1
Fluoranthene	**89**		30	2.5	ug/Kg	☼	06/05/17 09:24	06/07/17 14:58	1
Fluorene	ND		30	2.4	ug/Kg	☼	06/05/17 09:24	06/07/17 14:58	1
Hexachlorobenzene	ND		30	9.5	ug/Kg	☼	06/05/17 09:24	06/07/17 14:58	1
Hexachlorobutadiene	ND		230	25	ug/Kg	☼	06/05/17 09:24	06/07/17 14:58	1
Hexachlorocyclopentadiene	ND		1500	37	ug/Kg	☼	06/05/17 09:24	06/07/17 14:58	1
Hexachloroethane	ND		230	41	ug/Kg	☼	06/05/17 09:24	06/07/17 14:58	1
Indeno[1,2,3-cd]pyrene	**24**	**J**	30	1.6	ug/Kg	☼	06/05/17 09:24	06/07/17 14:58	1
Isophorone	ND		230	59	ug/Kg	☼	06/05/17 09:24	06/07/17 14:58	1
2-Methylnaphthalene	ND		30	2.3	ug/Kg	☼	06/05/17 09:24	06/07/17 14:58	1
2-Methylphenol	ND		910	50	ug/Kg	☼	06/05/17 09:24	06/07/17 14:58	1
3 & 4 Methylphenol	ND		1800	91	ug/Kg	☼	06/05/17 09:24	06/07/17 14:58	1

Client Sample ID: SAMPLE SS7 - GRID B12

Date Collected: 06/01/17 14:55
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-8

Matrix: Solid
Percent Solids: 22.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		30	3.7	ug/Kg	☼	06/05/17 09:24	06/07/17 14:58	1
2-Nitroaniline	ND		910	41	ug/Kg	☼	06/05/17 09:24	06/07/17 14:58	1
3-Nitroaniline	ND		910	73	ug/Kg	☼	06/05/17 09:24	06/07/17 14:58	1
4-Nitroaniline	ND		910	120	ug/Kg	☼	06/05/17 09:24	06/07/17 14:58	1
Nitrobenzene	ND		450	10	ug/Kg	☼	06/05/17 09:24	06/07/17 14:58	1
2-Nitrophenol	ND		230	38	ug/Kg	☼	06/05/17 09:24	06/07/17 14:58	1
4-Nitrophenol	ND		1500	77	ug/Kg	☼	06/05/17 09:24	06/07/17 14:58	1
N-Nitrosodi-n-propylamine	ND		230	29	ug/Kg	☼	06/05/17 09:24	06/07/17 14:58	1
N-Nitrosodiphenylamine	ND		230	95	ug/Kg	☼	06/05/17 09:24	06/07/17 14:58	1
Pentachlorophenol	ND		680	41	ug/Kg	☼	06/05/17 09:24	06/07/17 14:58	1
Phenanthrene	**21**	**J**	30	3.3	ug/Kg	☼	06/05/17 09:24	06/07/17 14:58	1
Phenol	ND		230	33	ug/Kg	☼	06/05/17 09:24	06/07/17 14:58	1
Pyrene	**68**		30	2.0	ug/Kg	☼	06/05/17 09:24	06/07/17 14:58	1
2,4,5-Trichlorophenol	ND		680	110	ug/Kg	☼	06/05/17 09:24	06/07/17 14:58	1
2,4,6-Trichlorophenol	ND		680	40	ug/Kg	☼	06/05/17 09:24	06/07/17 14:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*61*		*32 - 120*	*06/05/17 09:24*	*06/07/17 14:58*	*1*
2-Fluorophenol (Surr)	*58*		*29 - 120*	*06/05/17 09:24*	*06/07/17 14:58*	*1*
Nitrobenzene-d5 (Surr)	*57*		*30 - 120*	*06/05/17 09:24*	*06/07/17 14:58*	*1*
Phenol-d5 (Surr)	*60*		*29 - 120*	*06/05/17 09:24*	*06/07/17 14:58*	*1*
Terphenyl-d14 (Surr)	*69*		*41 - 120*	*06/05/17 09:24*	*06/07/17 14:58*	*1*
2,4,6-Tribromophenol (Surr)	*83*		*10 - 120*	*06/05/17 09:24*	*06/07/17 14:58*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C20	**5600**		1100	330	mg/Kg	☼	06/09/17 10:51	06/14/17 21:05	5
C20-C34	**3200**		1100	330	mg/Kg	☼	06/09/17 10:51	06/14/17 21:05	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*54*		*40 - 160*	*06/09/17 10:51*	*06/14/17 21:05*	*5*

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		460	220	ug/Kg	☼	06/06/17 09:50	06/09/17 19:44	20
alpha-BHC	ND		460	140	ug/Kg	☼	06/06/17 09:50	06/09/17 19:44	20
alpha-Chlordane	ND		460	340	ug/Kg	☼	06/06/17 09:50	06/09/17 19:44	20
beta-BHC	ND		460	350	ug/Kg	☼	06/06/17 09:50	06/09/17 19:44	20
4,4'-DDD	ND		460	300	ug/Kg	☼	06/06/17 09:50	06/09/17 19:44	20
4,4'-DDE	ND		460	110	ug/Kg	☼	06/06/17 09:50	06/09/17 19:44	20
4,4'-DDT	ND		460	130	ug/Kg	☼	06/06/17 09:50	06/09/17 19:44	20
delta-BHC	ND		460	120	ug/Kg	☼	06/06/17 09:50	06/09/17 19:44	20
Dieldrin	ND		460	81	ug/Kg	☼	06/06/17 09:50	06/09/17 19:44	20
Endosulfan I	ND		460	120	ug/Kg	☼	06/06/17 09:50	06/09/17 19:44	20
Endosulfan II	ND		460	160	ug/Kg	☼	06/06/17 09:50	06/09/17 19:44	20
Endosulfan sulfate	ND		460	110	ug/Kg	☼	06/06/17 09:50	06/09/17 19:44	20
Endrin	ND		460	130	ug/Kg	☼	06/06/17 09:50	06/09/17 19:44	20
Endrin aldehyde	ND		460	160	ug/Kg	☼	06/06/17 09:50	06/09/17 19:44	20
Endrin ketone	ND		460	99	ug/Kg	☼	06/06/17 09:50	06/09/17 19:44	20
gamma-BHC (Lindane)	ND		460	260	ug/Kg	☼	06/06/17 09:50	06/09/17 19:44	20

Client Sample ID: SAMPLE SS7 - GRID B12

Date Collected: 06/01/17 14:55
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-8

Matrix: Solid
Percent Solids: 22.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-Chlordane	ND		460	130	ug/Kg	☼	06/06/17 09:50	06/09/17 19:44	20
Heptachlor	ND		460	70	ug/Kg	☼	06/06/17 09:50	06/09/17 19:44	20
Heptachlor epoxide	ND		460	220	ug/Kg	☼	06/06/17 09:50	06/09/17 19:44	20
Methoxychlor	ND		890	110	ug/Kg	☼	06/06/17 09:50	06/09/17 19:44	20
Toxaphene	ND		9000	3300	ug/Kg	☼	06/06/17 09:50	06/09/17 19:44	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*69*	*p*	*13 - 135*	*06/06/17 09:50*	*06/09/17 19:44*	*20*
DCB Decachlorobiphenyl	*193*	*X*	*13 - 135*	*06/06/17 09:50*	*06/09/17 19:44*	*20*
Tetrachloro-m-xylene	*85*		*30 - 120*	*06/06/17 09:50*	*06/09/17 19:44*	*20*
Tetrachloro-m-xylene	*84*		*30 - 120*	*06/06/17 09:50*	*06/09/17 19:44*	*20*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		230	110	ug/Kg	☼	06/05/17 08:38	06/07/17 10:18	1
Aroclor-1221	ND		230	100	ug/Kg	☼	06/05/17 08:38	06/07/17 10:18	1
Aroclor-1232	ND		230	73	ug/Kg	☼	06/05/17 08:38	06/07/17 10:18	1
Aroclor-1242	ND		230	91	ug/Kg	☼	06/05/17 08:38	06/07/17 10:18	1
Aroclor-1248	ND		230	77	ug/Kg	☼	06/05/17 08:38	06/07/17 10:18	1
Aroclor-1254	ND		230	64	ug/Kg	☼	06/05/17 08:38	06/07/17 10:18	1
Aroclor-1260	ND		230	82	ug/Kg	☼	06/05/17 08:38	06/07/17 10:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*96*		*14 - 128*	*06/05/17 08:38*	*06/07/17 10:18*	*1*
DCB Decachlorobiphenyl	*81*		*10 - 132*	*06/05/17 08:38*	*06/07/17 10:18*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	ND		1100	140	ug/Kg	☼	06/09/17 08:29	06/13/17 21:51	1
Silvex (2,4,5-TP)	ND		270	27	ug/Kg	☼	06/09/17 08:29	06/13/17 21:51	1
2,4,5-T	ND		270	32	ug/Kg	☼	06/09/17 08:29	06/13/17 21:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*33*		*19 - 120*	*06/09/17 08:29*	*06/13/17 21:51*	*1*
2,4-Dichlorophenylacetic acid	*31*		*19 - 120*	*06/09/17 08:29*	*06/13/17 21:51*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**1900**		71	21	mg/Kg	☼	06/06/17 11:24	06/07/17 20:04	1
Calcium	**260000**		1800	82	mg/Kg	☼	06/06/17 11:24	06/07/17 20:04	1
Iron	**10000**	**B**	36	11	mg/Kg	☼	06/06/17 11:24	06/07/17 20:04	1
Magnesium	**4700**	**B**	1800	19	mg/Kg	☼	06/06/17 11:24	06/07/17 20:04	1
Potassium	**260**	**J**	1800	22	mg/Kg	☼	06/06/17 11:24	06/07/17 20:04	1
Selenium	ND		1.8	1.2	mg/Kg	☼	06/06/17 11:24	06/07/17 20:04	1
Sodium	**530**	**J**	1800	68	mg/Kg	☼	06/06/17 11:24	06/07/17 20:04	1

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**13**		3.6	0.093	mg/Kg	☼	06/06/17 11:24	06/09/17 02:34	2
Barium	**290**		3.6	0.78	mg/Kg	☼	06/06/17 11:24	06/09/17 02:34	2
Cadmium	**0.36**	**J**	0.71	0.013	mg/Kg	☼	06/06/17 11:24	06/09/17 02:34	2

Client Sample ID: SAMPLE SS7 - GRID B12

Date Collected: 06/01/17 14:55
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-8

Matrix: Solid
Percent Solids: 22.1

Method: 6020 - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	11	B	1.4	0.21	mg/Kg	☼	06/06/17 11:24	06/09/17 02:34	2
Copper	18	B	1.4	0.35	mg/Kg	☼	06/06/17 11:24	06/09/17 02:34	2
Lead	30	B	0.71	0.16	mg/Kg	☼	06/06/17 11:24	06/09/17 22:55	2
Manganese	1200	B	3.6	0.43	mg/Kg	☼	06/06/17 11:24	06/09/17 02:34	2
Nickel	10		1.4	0.14	mg/Kg	☼	06/06/17 11:24	06/09/17 02:34	2
Strontium	220	B	7.1	0.089	mg/Kg	☼	06/06/17 11:24	06/09/17 02:34	2
Zinc	150	B	14	1.8	mg/Kg	☼	06/06/17 11:24	06/09/17 02:34	2

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.47	0.084	mg/Kg	☼	06/06/17 16:00	06/07/17 11:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Duplicates	90000		4500	3400	mg/Kg	☼		06/13/17 15:52	1
Percent Solids	22.1		0.1	0.1	%			06/05/17 08:34	1
Percent Moisture	77.9		0.1	0.1	%			06/05/17 08:34	1

Method: D422 - Grain Size

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gravel	0.0				%			06/08/17 18:55	1
Sieve Size 3 inch - Percent Finer	100.0				% Passing			06/08/17 18:55	1
Sand	29.8				%			06/08/17 18:55	1
Sieve Size 2 inch - Percent Finer	100.0				% Passing			06/08/17 18:55	1
Coarse Sand	4.3				%			06/08/17 18:55	1
Sieve Size 1.5 inch - Percent Finer	100.0				% Passing			06/08/17 18:55	1
Medium Sand	8.1				%			06/08/17 18:55	1
Sieve Size 1 inch - Percent Finer	100.0				% Passing			06/08/17 18:55	1
Fine Sand	17.4				%			06/08/17 18:55	1
Sieve Size 0.75 inch - Percent Finer	100.0				% Passing			06/08/17 18:55	1
Sieve Size 0.375 inch - Percent Finer	100.0				% Passing			06/08/17 18:55	1
Silt	55.3				%			06/08/17 18:55	1
Clay	14.9				%			06/08/17 18:55	1
Sieve Size #4 - Percent Finer	100.0				% Passing			06/08/17 18:55	1
Sieve Size #10 - Percent Finer	95.7				% Passing			06/08/17 18:55	1
Sieve Size #20 - Percent Finer	91.5				% Passing			06/08/17 18:55	1
Sieve Size #40 - Percent Finer	87.6				% Passing			06/08/17 18:55	1
Sieve Size #60 - Percent Finer	83.4				% Passing			06/08/17 18:55	1
Sieve Size #80 - Percent Finer	80.5				% Passing			06/08/17 18:55	1
Sieve Size #100 - Percent Finer	78.3				% Passing			06/08/17 18:55	1
Sieve Size #200 - Percent Finer	70.2				% Passing			06/08/17 18:55	1
Hydrometer Reading 1 - Percent Finer	31.6				% Passing			06/08/17 18:55	1
Hydrometer Reading 2 - Percent Finer	26.8				% Passing			06/08/17 18:55	1
Hydrometer Reading 3 - Percent Finer	22.0				% Passing			06/08/17 18:55	1
Hydrometer Reading 4 - Percent Finer	17.3				% Passing			06/08/17 18:55	1

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron Ohio

TestAmerica Job ID: 240-80352-1

Client Sample ID: SAMPLE SS7 - GRID B12
Date Collected: 06/01/17 14:55
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-8
Matrix: Solid
Percent Solids: 22.1

Method: D422 - Grain Size (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hydrometer Reading 5 - Percent Finer	14.9				% Passing			06/08/17 18:55	1
Hydrometer Reading 6 - Percent Finer	8.9				% Passing			06/08/17 18:55	1
Hydrometer Reading 7 - Percent Finer	4.8				% Passing			06/08/17 18:55	1

Client Sample ID: SAMPLE SS8 - GRID B5

Date Collected: 06/01/17 15:30
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-9

Matrix: Solid
Percent Solids: 58.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		7.3	0.34	ug/Kg	☼	06/06/17 11:43	06/06/17 17:06	1
1,1,2,2-Tetrachloroethane	ND		7.3	0.38	ug/Kg	☼	06/06/17 11:43	06/06/17 17:06	1
1,1,2-Trichloroethane	ND		7.3	0.57	ug/Kg	☼	06/06/17 11:43	06/06/17 17:06	1
1,1-Dichloroethane	ND		7.3	0.48	ug/Kg	☼	06/06/17 11:43	06/06/17 17:06	1
1,1-Dichloroethene	ND		7.3	0.79	ug/Kg	☼	06/06/17 11:43	06/06/17 17:06	1
1,2,4-Trichlorobenzene	ND		7.3	0.35	ug/Kg	☼	06/06/17 11:43	06/06/17 17:06	1
1,2-Dibromo-3-Chloropropane	ND		15	0.99	ug/Kg	☼	06/06/17 11:43	06/06/17 17:06	1
1,2-Dichlorobenzene	ND		7.3	0.32	ug/Kg	☼	06/06/17 11:43	06/06/17 17:06	1
1,2-Dichloroethane	ND		7.3	0.42	ug/Kg	☼	06/06/17 11:43	06/06/17 17:06	1
1,2-Dichloropropane	ND		7.3	0.45	ug/Kg	☼	06/06/17 11:43	06/06/17 17:06	1
1,3-Dichlorobenzene	ND		7.3	0.42	ug/Kg	☼	06/06/17 11:43	06/06/17 17:06	1
1,4-Dichlorobenzene	ND		7.3	0.51	ug/Kg	☼	06/06/17 11:43	06/06/17 17:06	1
2-Hexanone	ND		29	0.85	ug/Kg	☼	06/06/17 11:43	06/06/17 17:06	1
Acetone	ND		29	4.5	ug/Kg	☼	06/06/17 11:43	06/06/17 17:06	1
Benzene	ND		7.3	0.47	ug/Kg	☼	06/06/17 11:43	06/06/17 17:06	1
Bromoform	ND		7.3	0.58	ug/Kg	☼	06/06/17 11:43	06/06/17 17:06	1
Bromomethane	ND		15	0.86	ug/Kg	☼	06/06/17 11:43	06/06/17 17:06	1
Carbon disulfide	ND		7.3	0.31	ug/Kg	☼	06/06/17 11:43	06/06/17 17:06	1
Carbon tetrachloride	ND		7.3	0.36	ug/Kg	☼	06/06/17 11:43	06/06/17 17:06	1
Chlorobenzene	ND		7.3	0.48	ug/Kg	☼	06/06/17 11:43	06/06/17 17:06	1
Chloroethane	ND		15	0.55	ug/Kg	☼	06/06/17 11:43	06/06/17 17:06	1
Chloroform	ND		7.3	0.34	ug/Kg	☼	06/06/17 11:43	06/06/17 17:06	1
Chloromethane	ND		15	0.55	ug/Kg	☼	06/06/17 11:43	06/06/17 17:06	1
cis-1,2-Dichloroethene	ND		3.6	0.41	ug/Kg	☼	06/06/17 11:43	06/06/17 17:06	1
cis-1,3-Dichloropropene	ND		7.3	0.38	ug/Kg	☼	06/06/17 11:43	06/06/17 17:06	1
Dichlorobromomethane	ND		7.3	0.48	ug/Kg	☼	06/06/17 11:43	06/06/17 17:06	1
Dichlorodifluoromethane	ND		15	0.51	ug/Kg	☼	06/06/17 11:43	06/06/17 17:06	1
Ethylbenzene	ND		7.3	0.39	ug/Kg	☼	06/06/17 11:43	06/06/17 17:06	1
Ethylene Dibromide	ND		7.3	0.51	ug/Kg	☼	06/06/17 11:43	06/06/17 17:06	1
Isopropylbenzene	ND		7.3	0.29	ug/Kg	☼	06/06/17 11:43	06/06/17 17:06	1
2-Butanone (MEK)	ND		29	1.9	ug/Kg	☼	06/06/17 11:43	06/06/17 17:06	1
4-Methyl-2-pentanone (MIBK)	ND		29	1.3	ug/Kg	☼	06/06/17 11:43	06/06/17 17:06	1
Methyl tert-butyl ether	ND		7.3	0.39	ug/Kg	☼	06/06/17 11:43	06/06/17 17:06	1
Methylene Chloride	**0.66**	**J B**	7.3	0.35	ug/Kg	☼	06/06/17 11:43	06/06/17 17:06	1
Styrene	ND		7.3	0.39	ug/Kg	☼	06/06/17 11:43	06/06/17 17:06	1
Tetrachloroethene	ND		7.3	0.54	ug/Kg	☼	06/06/17 11:43	06/06/17 17:06	1
Toluene	ND		7.3	0.50	ug/Kg	☼	06/06/17 11:43	06/06/17 17:06	1
trans-1,2-Dichloroethene	ND		3.6	0.55	ug/Kg	☼	06/06/17 11:43	06/06/17 17:06	1
trans-1,3-Dichloropropene	ND		7.3	0.31	ug/Kg	☼	06/06/17 11:43	06/06/17 17:06	1
Trichloroethene	ND		7.3	0.60	ug/Kg	☼	06/06/17 11:43	06/06/17 17:06	1
Trichlorofluoromethane	ND		15	0.35	ug/Kg	☼	06/06/17 11:43	06/06/17 17:06	1
Vinyl chloride	ND		15	0.41	ug/Kg	☼	06/06/17 11:43	06/06/17 17:06	1
Xylenes, Total	ND		7.3	0.58	ug/Kg	☼	06/06/17 11:43	06/06/17 17:06	1
Chlorodibromomethane	ND		7.3	0.44	ug/Kg	☼	06/06/17 11:43	06/06/17 17:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*73*		*61 - 127*	*06/06/17 11:43*	*06/06/17 17:06*	*1*
4-Bromofluorobenzene (Surr)	*104*		*61 - 132*	*06/06/17 11:43*	*06/06/17 17:06*	*1*
Toluene-d8 (Surr)	*79*		*66 - 125*	*06/06/17 11:43*	*06/06/17 17:06*	*1*

Client Sample ID: SAMPLE SS8 - GRID B5

Date Collected: 06/01/17 15:30
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-9

Matrix: Solid
Percent Solids: 58.4

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	*82*		*43 - 131*	*06/06/17 11:43*	*06/06/17 17:06*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**11**	**J**	12	1.3	ug/Kg	☼	06/05/17 09:24	06/07/17 15:22	1
Acenaphthylene	**7.1**	**J**	12	0.61	ug/Kg	☼	06/05/17 09:24	06/07/17 15:22	1
Acetophenone	ND		170	16	ug/Kg	☼	06/05/17 09:24	06/07/17 15:22	1
Anthracene	**28**		12	1.4	ug/Kg	☼	06/05/17 09:24	06/07/17 15:22	1
Benzo[a]anthracene	**74**		12	1.1	ug/Kg	☼	06/05/17 09:24	06/07/17 15:22	1
Benzo[a]pyrene	**80**		12	1.1	ug/Kg	☼	06/05/17 09:24	06/07/17 15:22	1
Benzo[b]fluoranthene	**150**		12	1.0	ug/Kg	☼	06/05/17 09:24	06/07/17 15:22	1
Benzo[g,h,i]perylene	**42**		12	0.61	ug/Kg	☼	06/05/17 09:24	06/07/17 15:22	1
Benzo[k]fluoranthene	**51**		12	1.2	ug/Kg	☼	06/05/17 09:24	06/07/17 15:22	1
Bis(2-chloroethoxy)methane	ND		170	38	ug/Kg	☼	06/05/17 09:24	06/07/17 15:22	1
Bis(2-chloroethyl)ether	ND		170	3.5	ug/Kg	☼	06/05/17 09:24	06/07/17 15:22	1
bis (2-chloroisopropyl) ether	ND		170	16	ug/Kg	☼	06/05/17 09:24	06/07/17 15:22	1
Bis(2-ethylhexyl) phthalate	**190**	**B**	120	33	ug/Kg	☼	06/05/17 09:24	06/07/17 15:22	1
4-Bromophenyl phenyl ether	ND		87	23	ug/Kg	☼	06/05/17 09:24	06/07/17 15:22	1
Butyl benzyl phthalate	ND		120	17	ug/Kg	☼	06/05/17 09:24	06/07/17 15:22	1
4-Chloroaniline	ND		260	29	ug/Kg	☼	06/05/17 09:24	06/07/17 15:22	1
4-Chloro-3-methylphenol	ND		260	36	ug/Kg	☼	06/05/17 09:24	06/07/17 15:22	1
2-Chloronaphthalene	ND		87	0.78	ug/Kg	☼	06/05/17 09:24	06/07/17 15:22	1
2-Chlorophenol	ND		87	14	ug/Kg	☼	06/05/17 09:24	06/07/17 15:22	1
4-Chlorophenyl phenyl ether	ND		87	23	ug/Kg	☼	06/05/17 09:24	06/07/17 15:22	1
Chrysene	**95**		12	1.9	ug/Kg	☼	06/05/17 09:24	06/07/17 15:22	1
Dibenz(a,h)anthracene	ND		12	1.1	ug/Kg	☼	06/05/17 09:24	06/07/17 15:22	1
Dibenzofuran	**22**	**J**	87	1.1	ug/Kg	☼	06/05/17 09:24	06/07/17 15:22	1
3,3'-Dichlorobenzidine	ND		170	31	ug/Kg	☼	06/05/17 09:24	06/07/17 15:22	1
2,4-Dichlorophenol	ND		260	35	ug/Kg	☼	06/05/17 09:24	06/07/17 15:22	1
Diethyl phthalate	ND		120	28	ug/Kg	☼	06/05/17 09:24	06/07/17 15:22	1
2,4-Dimethylphenol	ND		260	35	ug/Kg	☼	06/05/17 09:24	06/07/17 15:22	1
Dimethyl phthalate	ND		120	29	ug/Kg	☼	06/05/17 09:24	06/07/17 15:22	1
Di-n-butyl phthalate	ND		120	26	ug/Kg	☼	06/05/17 09:24	06/07/17 15:22	1
4,6-Dinitro-2-methylphenol	ND		260	16	ug/Kg	☼	06/05/17 09:24	06/07/17 15:22	1
2,4-Dinitrophenol	ND		570	36	ug/Kg	☼	06/05/17 09:24	06/07/17 15:22	1
2,4-Dinitrotoluene	ND		350	29	ug/Kg	☼	06/05/17 09:24	06/07/17 15:22	1
2,6-Dinitrotoluene	ND		350	36	ug/Kg	☼	06/05/17 09:24	06/07/17 15:22	1
Di-n-octyl phthalate	ND		120	14	ug/Kg	☼	06/05/17 09:24	06/07/17 15:22	1
Fluoranthene	**200**		12	0.95	ug/Kg	☼	06/05/17 09:24	06/07/17 15:22	1
Fluorene	**14**		12	0.92	ug/Kg	☼	06/05/17 09:24	06/07/17 15:22	1
Hexachlorobenzene	ND		12	3.6	ug/Kg	☼	06/05/17 09:24	06/07/17 15:22	1
Hexachlorobutadiene	ND		87	9.7	ug/Kg	☼	06/05/17 09:24	06/07/17 15:22	1
Hexachlorocyclopentadiene	ND		570	14	ug/Kg	☼	06/05/17 09:24	06/07/17 15:22	1
Hexachloroethane	ND		87	16	ug/Kg	☼	06/05/17 09:24	06/07/17 15:22	1
Indeno[1,2,3-cd]pyrene	**42**		12	0.61	ug/Kg	☼	06/05/17 09:24	06/07/17 15:22	1
Isophorone	ND		87	23	ug/Kg	☼	06/05/17 09:24	06/07/17 15:22	1
2-Methylnaphthalene	**69**		12	0.87	ug/Kg	☼	06/05/17 09:24	06/07/17 15:22	1
2-Methylphenol	ND		350	19	ug/Kg	☼	06/05/17 09:24	06/07/17 15:22	1
3 & 4 Methylphenol	ND		690	35	ug/Kg	☼	06/05/17 09:24	06/07/17 15:22	1

Client Sample ID: SAMPLE SS8 - GRID B5

Date Collected: 06/01/17 15:30
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-9

Matrix: Solid
Percent Solids: 58.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**47**		12	1.4	ug/Kg	☼	06/05/17 09:24	06/07/17 15:22	1
2-Nitroaniline	ND		350	16	ug/Kg	☼	06/05/17 09:24	06/07/17 15:22	1
3-Nitroaniline	ND		350	28	ug/Kg	☼	06/05/17 09:24	06/07/17 15:22	1
4-Nitroaniline	ND		350	45	ug/Kg	☼	06/05/17 09:24	06/07/17 15:22	1
Nitrobenzene	ND		170	3.8	ug/Kg	☼	06/05/17 09:24	06/07/17 15:22	1
2-Nitrophenol	ND		87	14	ug/Kg	☼	06/05/17 09:24	06/07/17 15:22	1
4-Nitrophenol	ND		570	29	ug/Kg	☼	06/05/17 09:24	06/07/17 15:22	1
N-Nitrosodi-n-propylamine	ND		87	11	ug/Kg	☼	06/05/17 09:24	06/07/17 15:22	1
N-Nitrosodiphenylamine	ND		87	36	ug/Kg	☼	06/05/17 09:24	06/07/17 15:22	1
Pentachlorophenol	ND		260	16	ug/Kg	☼	06/05/17 09:24	06/07/17 15:22	1
Phenanthrene	**99**		12	1.3	ug/Kg	☼	06/05/17 09:24	06/07/17 15:22	1
Phenol	ND		87	13	ug/Kg	☼	06/05/17 09:24	06/07/17 15:22	1
Pyrene	**150**		12	0.76	ug/Kg	☼	06/05/17 09:24	06/07/17 15:22	1
2,4,5-Trichlorophenol	ND		260	43	ug/Kg	☼	06/05/17 09:24	06/07/17 15:22	1
2,4,6-Trichlorophenol	ND		260	15	ug/Kg	☼	06/05/17 09:24	06/07/17 15:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*57*		*32 - 120*	*06/05/17 09:24*	*06/07/17 15:22*	*1*
2-Fluorophenol (Surr)	*55*		*29 - 120*	*06/05/17 09:24*	*06/07/17 15:22*	*1*
Nitrobenzene-d5 (Surr)	*53*		*30 - 120*	*06/05/17 09:24*	*06/07/17 15:22*	*1*
Phenol-d5 (Surr)	*58*		*29 - 120*	*06/05/17 09:24*	*06/07/17 15:22*	*1*
Terphenyl-d14 (Surr)	*62*		*41 - 120*	*06/05/17 09:24*	*06/07/17 15:22*	*1*
2,4,6-Tribromophenol (Surr)	*77*		*10 - 120*	*06/05/17 09:24*	*06/07/17 15:22*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C20	**260**		85	26	mg/Kg	☼	06/09/17 10:51	06/14/17 21:37	1
C20-C34	**310**		85	26	mg/Kg	☼	06/09/17 10:51	06/14/17 21:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*46*		*40 - 160*	*06/09/17 10:51*	*06/14/17 21:37*	*1*

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		8.6	4.0	ug/Kg	☼	06/06/17 09:50	06/09/17 20:10	1
alpha-BHC	ND		8.6	2.7	ug/Kg	☼	06/06/17 09:50	06/09/17 20:10	1
alpha-Chlordane	ND		8.6	6.4	ug/Kg	☼	06/06/17 09:50	06/09/17 20:10	1
beta-BHC	ND		8.6	6.6	ug/Kg	☼	06/06/17 09:50	06/09/17 20:10	1
4,4'-DDD	ND		8.6	5.5	ug/Kg	☼	06/06/17 09:50	06/09/17 20:10	1
4,4'-DDE	**4.0**	**J**	8.6	2.0	ug/Kg	☼	06/06/17 09:50	06/09/17 20:10	1
4,4'-DDT	ND		8.6	2.4	ug/Kg	☼	06/06/17 09:50	06/09/17 20:10	1
delta-BHC	ND		8.6	2.2	ug/Kg	☼	06/06/17 09:50	06/09/17 20:10	1
Dieldrin	ND		8.6	1.5	ug/Kg	☼	06/06/17 09:50	06/09/17 20:10	1
Endosulfan I	ND		8.6	2.2	ug/Kg	☼	06/06/17 09:50	06/09/17 20:10	1
Endosulfan II	ND		8.6	3.0	ug/Kg	☼	06/06/17 09:50	06/09/17 20:10	1
Endosulfan sulfate	ND		8.6	2.0	ug/Kg	☼	06/06/17 09:50	06/09/17 20:10	1
Endrin	ND		8.6	2.4	ug/Kg	☼	06/06/17 09:50	06/09/17 20:10	1
Endrin aldehyde	ND		170	60	ug/Kg	☼	06/06/17 09:50	06/12/17 21:56	20
Endrin ketone	ND		8.6	1.8	ug/Kg	☼	06/06/17 09:50	06/09/17 20:10	1
gamma-BHC (Lindane)	ND		8.6	4.9	ug/Kg	☼	06/06/17 09:50	06/09/17 20:10	1

Client Sample ID: SAMPLE SS8 - GRID B5

Date Collected: 06/01/17 15:30
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-9

Matrix: Solid
Percent Solids: 58.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-Chlordane	ND		8.6	2.5	ug/Kg	☼	06/06/17 09:50	06/09/17 20:10	1
Heptachlor	ND		8.6	1.3	ug/Kg	☼	06/06/17 09:50	06/09/17 20:10	1
Heptachlor epoxide	ND		8.6	4.0	ug/Kg	☼	06/06/17 09:50	06/09/17 20:10	1
Methoxychlor	ND		17	2.0	ug/Kg	☼	06/06/17 09:50	06/09/17 20:10	1
Toxaphene	ND		170	62	ug/Kg	☼	06/06/17 09:50	06/09/17 20:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*73*		*13 - 135*	*06/06/17 09:50*	*06/09/17 20:10*	*1*
DCB Decachlorobiphenyl	*107*		*13 - 135*	*06/06/17 09:50*	*06/09/17 20:10*	*1*
DCB Decachlorobiphenyl	*76*		*13 - 135*	*06/06/17 09:50*	*06/12/17 21:56*	*20*
DCB Decachlorobiphenyl	*135*		*13 - 135*	*06/06/17 09:50*	*06/12/17 21:56*	*20*
Tetrachloro-m-xylene	*93*		*30 - 120*	*06/06/17 09:50*	*06/09/17 20:10*	*1*
Tetrachloro-m-xylene	*119*		*30 - 120*	*06/06/17 09:50*	*06/09/17 20:10*	*1*
Tetrachloro-m-xylene	*75*		*30 - 120*	*06/06/17 09:50*	*06/12/17 21:56*	*20*
Tetrachloro-m-xylene	*65*		*30 - 120*	*06/06/17 09:50*	*06/12/17 21:56*	*20*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		85	41	ug/Kg	☼	06/05/17 08:38	06/07/17 10:38	1
Aroclor-1221	ND		85	39	ug/Kg	☼	06/05/17 08:38	06/07/17 10:38	1
Aroclor-1232	ND		85	27	ug/Kg	☼	06/05/17 08:38	06/07/17 10:38	1
Aroclor-1242	ND		85	34	ug/Kg	☼	06/05/17 08:38	06/07/17 10:38	1
Aroclor-1248	ND		85	29	ug/Kg	☼	06/05/17 08:38	06/07/17 10:38	1
Aroclor-1254	ND		85	24	ug/Kg	☼	06/05/17 08:38	06/07/17 10:38	1
Aroclor-1260	ND		85	31	ug/Kg	☼	06/05/17 08:38	06/07/17 10:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*92*		*14 - 128*	*06/05/17 08:38*	*06/07/17 10:38*	*1*
DCB Decachlorobiphenyl	*89*		*10 - 132*	*06/05/17 08:38*	*06/07/17 10:38*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	ND		410	51	ug/Kg	☼	06/09/17 08:29	06/13/17 22:22	1
Silvex (2,4,5-TP)	ND		100	10	ug/Kg	☼	06/09/17 08:29	06/13/17 22:22	1
2,4,5-T	ND		100	12	ug/Kg	☼	06/09/17 08:29	06/13/17 22:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*36*		*19 - 120*	*06/09/17 08:29*	*06/13/17 22:22*	*1*
2,4-Dichlorophenylacetic acid	*35*		*19 - 120*	*06/09/17 08:29*	*06/13/17 22:22*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4400**		23	6.7	mg/Kg	☼	06/06/17 11:24	06/07/17 20:09	1
Calcium	**20000**		570	26	mg/Kg	☼	06/06/17 11:24	06/07/17 20:09	1
Iron	**15000**	**B**	11	3.7	mg/Kg	☼	06/06/17 11:24	06/07/17 20:09	1
Magnesium	**1700**	**B**	570	6.0	mg/Kg	☼	06/06/17 11:24	06/07/17 20:09	1
Potassium	**550**	**J**	570	7.1	mg/Kg	☼	06/06/17 11:24	06/07/17 20:09	1
Selenium	ND		0.57	0.39	mg/Kg	☼	06/06/17 11:24	06/07/17 20:09	1
Sodium	**150**	**J**	570	22	mg/Kg	☼	06/06/17 11:24	06/07/17 20:09	1

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron Ohio

TestAmerica Job ID: 240-80352-1

Client Sample ID: SAMPLE SS8 - GRID B5
Date Collected: 06/01/17 15:30
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-9
Matrix: Solid
Percent Solids: 58.4

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	9.6		1.1	0.030	mg/Kg	☼	06/06/17 11:24	06/09/17 02:38	2
Barium	39		1.1	0.25	mg/Kg	☼	06/06/17 11:24	06/09/17 02:38	2
Cadmium	0.22	J	0.23	0.0043	mg/Kg	☼	06/06/17 11:24	06/09/17 02:38	2
Chromium	10	B	0.46	0.069	mg/Kg	☼	06/06/17 11:24	06/09/17 02:38	2
Copper	24	B	0.46	0.11	mg/Kg	☼	06/06/17 11:24	06/09/17 02:38	2
Lead	30	B	0.23	0.052	mg/Kg	☼	06/06/17 11:24	06/09/17 22:59	2
Manganese	240	B	1.1	0.14	mg/Kg	☼	06/06/17 11:24	06/09/17 02:38	2
Nickel	15		0.46	0.045	mg/Kg	☼	06/06/17 11:24	06/09/17 02:38	2
Strontium	32	B	2.3	0.029	mg/Kg	☼	06/06/17 11:24	06/09/17 02:38	2
Zinc	100	B	4.6	0.57	mg/Kg	☼	06/06/17 11:24	06/09/17 02:38	2

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.028	J	0.15	0.027	mg/Kg	☼	06/06/17 16:00	06/07/17 11:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Duplicates	4800		1700	1300	mg/Kg	☼		06/13/17 16:33	1
Percent Solids	58.4		0.1	0.1	%			06/05/17 08:34	1
Percent Moisture	41.6		0.1	0.1	%			06/05/17 08:34	1

Method: D422 - Grain Size

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gravel	10.8				%			06/08/17 18:57	1
Sieve Size 3 inch - Percent Finer	100.0				% Passing			06/08/17 18:57	1
Sand	59.5				%			06/08/17 18:57	1
Sieve Size 2 inch - Percent Finer	100.0				% Passing			06/08/17 18:57	1
Coarse Sand	2.7				%			06/08/17 18:57	1
Sieve Size 1.5 inch - Percent Finer	100.0				% Passing			06/08/17 18:57	1
Medium Sand	6.9				%			06/08/17 18:57	1
Sieve Size 1 inch - Percent Finer	100.0				% Passing			06/08/17 18:57	1
Fine Sand	49.9				%			06/08/17 18:57	1
Sieve Size 0.75 inch - Percent Finer	93.7				% Passing			06/08/17 18:57	1
Sieve Size 0.375 inch - Percent Finer	92.5				% Passing			06/08/17 18:57	1
Silt	17.7				%			06/08/17 18:57	1
Clay	12.0				%			06/08/17 18:57	1
Sieve Size #4 - Percent Finer	89.2				% Passing			06/08/17 18:57	1
Sieve Size #10 - Percent Finer	86.5				% Passing			06/08/17 18:57	1
Sieve Size #20 - Percent Finer	83.8				% Passing			06/08/17 18:57	1
Sieve Size #40 - Percent Finer	79.6				% Passing			06/08/17 18:57	1
Sieve Size #60 - Percent Finer	67.2				% Passing			06/08/17 18:57	1
Sieve Size #80 - Percent Finer	52.4				% Passing			06/08/17 18:57	1
Sieve Size #100 - Percent Finer	42.8				% Passing			06/08/17 18:57	1
Sieve Size #200 - Percent Finer	29.7				% Passing			06/08/17 18:57	1
Hydrometer Reading 1 - Percent Finer	27.4				% Passing			06/08/17 18:57	1
Hydrometer Reading 2 - Percent Finer	23.8				% Passing			06/08/17 18:57	1

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron Ohio

TestAmerica Job ID: 240-80352-1

Client Sample ID: SAMPLE SS8 - GRID B5
Date Collected: 06/01/17 15:30
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-9
Matrix: Solid
Percent Solids: 58.4

Method: D422 - Grain Size (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hydrometer Reading 3 - Percent Finer	17.9				% Passing			06/08/17 18:57	1
Hydrometer Reading 4 - Percent Finer	14.9				% Passing			06/08/17 18:57	1
Hydrometer Reading 5 - Percent Finer	12.0				% Passing			06/08/17 18:57	1
Hydrometer Reading 6 - Percent Finer	8.7				% Passing			06/08/17 18:57	1
Hydrometer Reading 7 - Percent Finer	7.4				% Passing			06/08/17 18:57	1

Client Sample ID: SAMPLE SS9 - GRID C17

Date Collected: 06/01/17 17:20
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-10

Matrix: Solid
Percent Solids: 19.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		26	1.2	ug/Kg	☼	06/06/17 11:43	06/06/17 17:28	1
1,1,2,2-Tetrachloroethane	ND		210	11	ug/Kg	☼	06/07/17 11:43	06/07/17 15:15	1
1,1,2-Trichloroethane	ND		26	2.0	ug/Kg	☼	06/06/17 11:43	06/06/17 17:28	1
1,1-Dichloroethane	ND		26	1.7	ug/Kg	☼	06/06/17 11:43	06/06/17 17:28	1
1,1-Dichloroethene	ND		26	2.8	ug/Kg	☼	06/06/17 11:43	06/06/17 17:28	1
1,2,4-Trichlorobenzene	ND		210	10	ug/Kg	☼	06/07/17 11:43	06/07/17 15:15	1
1,2-Dibromo-3-Chloropropane	ND		420	28	ug/Kg	☼	06/07/17 11:43	06/07/17 15:15	1
1,2-Dichlorobenzene	ND		210	9.2	ug/Kg	☼	06/07/17 11:43	06/07/17 15:15	1
1,2-Dichloroethane	ND		26	1.5	ug/Kg	☼	06/06/17 11:43	06/06/17 17:28	1
1,2-Dichloropropane	ND		26	1.6	ug/Kg	☼	06/06/17 11:43	06/06/17 17:28	1
1,3-Dichlorobenzene	ND		210	12	ug/Kg	☼	06/07/17 11:43	06/07/17 15:15	1
1,4-Dichlorobenzene	ND		210	15	ug/Kg	☼	06/07/17 11:43	06/07/17 15:15	1
2-Hexanone	ND		100	3.0	ug/Kg	☼	06/06/17 11:43	06/06/17 17:28	1
Acetone	**400**		100	16	ug/Kg	☼	06/06/17 11:43	06/06/17 17:28	1
Benzene	ND		26	1.7	ug/Kg	☼	06/06/17 11:43	06/06/17 17:28	1
Bromoform	ND		26	2.1	ug/Kg	☼	06/06/17 11:43	06/06/17 17:28	1
Bromomethane	ND		52	3.1	ug/Kg	☼	06/06/17 11:43	06/06/17 17:28	1
Carbon disulfide	**5.0**	**J**	26	1.1	ug/Kg	☼	06/06/17 11:43	06/06/17 17:28	1
Carbon tetrachloride	ND		26	1.3	ug/Kg	☼	06/06/17 11:43	06/06/17 17:28	1
Chlorobenzene	ND		26	1.7	ug/Kg	☼	06/06/17 11:43	06/06/17 17:28	1
Chloroethane	ND		52	2.0	ug/Kg	☼	06/06/17 11:43	06/06/17 17:28	1
Chloroform	ND		26	1.2	ug/Kg	☼	06/06/17 11:43	06/06/17 17:28	1
Chloromethane	ND		52	2.0	ug/Kg	☼	06/06/17 11:43	06/06/17 17:28	1
cis-1,2-Dichloroethene	ND		13	1.5	ug/Kg	☼	06/06/17 11:43	06/06/17 17:28	1
cis-1,3-Dichloropropene	ND		26	1.4	ug/Kg	☼	06/06/17 11:43	06/06/17 17:28	1
Dichlorobromomethane	ND		26	1.7	ug/Kg	☼	06/06/17 11:43	06/06/17 17:28	1
Dichlorodifluoromethane	ND		52	1.8	ug/Kg	☼	06/06/17 11:43	06/06/17 17:28	1
Ethylbenzene	ND		26	1.4	ug/Kg	☼	06/06/17 11:43	06/06/17 17:28	1
Ethylene Dibromide	ND		26	1.8	ug/Kg	☼	06/06/17 11:43	06/06/17 17:28	1
Isopropylbenzene	ND		26	1.0	ug/Kg	☼	06/06/17 11:43	06/06/17 17:28	1
2-Butanone (MEK)	**100**		100	6.7	ug/Kg	☼	06/06/17 11:43	06/06/17 17:28	1
4-Methyl-2-pentanone (MIBK)	ND		100	4.7	ug/Kg	☼	06/06/17 11:43	06/06/17 17:28	1
Methyl tert-butyl ether	ND		26	1.4	ug/Kg	☼	06/06/17 11:43	06/06/17 17:28	1
Methylene Chloride	**4.7**	**J B**	26	1.3	ug/Kg	☼	06/06/17 11:43	06/06/17 17:28	1
Styrene	ND		26	1.4	ug/Kg	☼	06/06/17 11:43	06/06/17 17:28	1
Tetrachloroethene	ND		26	1.9	ug/Kg	☼	06/06/17 11:43	06/06/17 17:28	1
Toluene	ND		26	1.8	ug/Kg	☼	06/06/17 11:43	06/06/17 17:28	1
trans-1,2-Dichloroethene	ND		13	2.0	ug/Kg	☼	06/06/17 11:43	06/06/17 17:28	1
trans-1,3-Dichloropropene	ND		26	1.1	ug/Kg	☼	06/06/17 11:43	06/06/17 17:28	1
Trichloroethene	ND		26	2.2	ug/Kg	☼	06/06/17 11:43	06/06/17 17:28	1
Trichlorofluoromethane	ND		52	1.3	ug/Kg	☼	06/06/17 11:43	06/06/17 17:28	1
Vinyl chloride	ND		52	1.5	ug/Kg	☼	06/06/17 11:43	06/06/17 17:28	1
Xylenes, Total	ND		26	2.1	ug/Kg	☼	06/06/17 11:43	06/06/17 17:28	1
Chlorodibromomethane	ND		26	1.6	ug/Kg	☼	06/06/17 11:43	06/06/17 17:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*72*		*61 - 127*	*06/06/17 11:43*	*06/06/17 17:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*76*		*61 - 127*	*06/07/17 11:43*	*06/07/17 15:15*	*1*
4-Bromofluorobenzene (Surr)	*168*	*X **	*61 - 132*	*06/06/17 11:43*	*06/06/17 17:28*	*1*

Client Sample ID: SAMPLE SS9 - GRID C17
Date Collected: 06/01/17 17:20
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-10
Matrix: Solid
Percent Solids: 19.0

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*109*		*61 - 132*	*06/07/17 11:43*	*06/07/17 15:15*	*1*
Toluene-d8 (Surr)	*100*		*66 - 125*	*06/06/17 11:43*	*06/06/17 17:28*	*1*
Toluene-d8 (Surr)	*79*		*66 - 125*	*06/07/17 11:43*	*06/07/17 15:15*	*1*
Dibromofluoromethane (Surr)	*81*		*43 - 131*	*06/06/17 11:43*	*06/06/17 17:28*	*1*
Dibromofluoromethane (Surr)	*83*		*43 - 131*	*06/07/17 11:43*	*06/07/17 15:15*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**260**	**J**	350	40	ug/Kg	☼	06/05/17 09:24	06/07/17 17:45	10
Acenaphthylene	ND		350	19	ug/Kg	☼	06/05/17 09:24	06/07/17 17:45	10
Acetophenone	ND		5300	490	ug/Kg	☼	06/05/17 09:24	06/07/17 17:45	10
Anthracene	**670**		350	41	ug/Kg	☼	06/05/17 09:24	06/07/17 17:45	10
Benzo[a]anthracene	**1400**		350	33	ug/Kg	☼	06/05/17 09:24	06/07/17 17:45	10
Benzo[a]pyrene	**1400**		350	34	ug/Kg	☼	06/05/17 09:24	06/07/17 17:45	10
Benzo[b]fluoranthene	**1900**		350	31	ug/Kg	☼	06/05/17 09:24	06/07/17 17:45	10
Benzo[g,h,i]perylene	**670**		350	19	ug/Kg	☼	06/05/17 09:24	06/07/17 17:45	10
Benzo[k]fluoranthene	**850**		350	36	ug/Kg	☼	06/05/17 09:24	06/07/17 17:45	10
Bis(2-chloroethoxy)methane	ND		5300	1200	ug/Kg	☼	06/05/17 09:24	06/07/17 17:45	10
Bis(2-chloroethyl)ether	ND		5300	110	ug/Kg	☼	06/05/17 09:24	06/07/17 17:45	10
bis (2-chloroisopropyl) ether	ND		5300	500	ug/Kg	☼	06/05/17 09:24	06/07/17 17:45	10
Bis(2-ethylhexyl) phthalate	**1800**	**J B**	3700	1000	ug/Kg	☼	06/05/17 09:24	06/07/17 17:45	10
4-Bromophenyl phenyl ether	ND		2600	690	ug/Kg	☼	06/05/17 09:24	06/07/17 17:45	10
Butyl benzyl phthalate	ND		3700	530	ug/Kg	☼	06/05/17 09:24	06/07/17 17:45	10
4-Chloroaniline	ND		7900	900	ug/Kg	☼	06/05/17 09:24	06/07/17 17:45	10
4-Chloro-3-methylphenol	ND		7900	1100	ug/Kg	☼	06/05/17 09:24	06/07/17 17:45	10
2-Chloronaphthalene	ND		2600	24	ug/Kg	☼	06/05/17 09:24	06/07/17 17:45	10
2-Chlorophenol	ND		2600	430	ug/Kg	☼	06/05/17 09:24	06/07/17 17:45	10
4-Chlorophenyl phenyl ether	ND		2600	690	ug/Kg	☼	06/05/17 09:24	06/07/17 17:45	10
Chrysene	**1800**		350	58	ug/Kg	☼	06/05/17 09:24	06/07/17 17:45	10
Dibenz(a,h)anthracene	ND		350	35	ug/Kg	☼	06/05/17 09:24	06/07/17 17:45	10
Dibenzofuran	ND		2600	35	ug/Kg	☼	06/05/17 09:24	06/07/17 17:45	10
3,3'-Dichlorobenzidine	ND		5300	950	ug/Kg	☼	06/05/17 09:24	06/07/17 17:45	10
2,4-Dichlorophenol	ND		7900	1100	ug/Kg	☼	06/05/17 09:24	06/07/17 17:45	10
Diethyl phthalate	ND		3700	850	ug/Kg	☼	06/05/17 09:24	06/07/17 17:45	10
2,4-Dimethylphenol	ND		7900	1100	ug/Kg	☼	06/05/17 09:24	06/07/17 17:45	10
Dimethyl phthalate	ND		3700	900	ug/Kg	☼	06/05/17 09:24	06/07/17 17:45	10
Di-n-butyl phthalate	ND		3700	790	ug/Kg	☼	06/05/17 09:24	06/07/17 17:45	10
4,6-Dinitro-2-methylphenol	ND		7900	490	ug/Kg	☼	06/05/17 09:24	06/07/17 17:45	10
2,4-Dinitrophenol	ND		17000	1100	ug/Kg	☼	06/05/17 09:24	06/07/17 17:45	10
2,4-Dinitrotoluene	ND		11000	900	ug/Kg	☼	06/05/17 09:24	06/07/17 17:45	10
2,6-Dinitrotoluene	ND		11000	1100	ug/Kg	☼	06/05/17 09:24	06/07/17 17:45	10
Di-n-octyl phthalate	ND		3700	420	ug/Kg	☼	06/05/17 09:24	06/07/17 17:45	10
Fluoranthene	**3500**		350	29	ug/Kg	☼	06/05/17 09:24	06/07/17 17:45	10
Fluorene	**270**	**J**	350	28	ug/Kg	☼	06/05/17 09:24	06/07/17 17:45	10
Hexachlorobenzene	ND		350	110	ug/Kg	☼	06/05/17 09:24	06/07/17 17:45	10
Hexachlorobutadiene	ND		2600	300	ug/Kg	☼	06/05/17 09:24	06/07/17 17:45	10
Hexachlorocyclopentadiene	ND		17000	430	ug/Kg	☼	06/05/17 09:24	06/07/17 17:45	10
Hexachloroethane	ND		2600	480	ug/Kg	☼	06/05/17 09:24	06/07/17 17:45	10
Indeno[1,2,3-cd]pyrene	**550**		350	19	ug/Kg	☼	06/05/17 09:24	06/07/17 17:45	10

Client Sample ID: SAMPLE SS9 - GRID C17

Date Collected: 06/01/17 17:20
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-10

Matrix: Solid
Percent Solids: 19.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isophorone	ND		2600	690	ug/Kg	☼	06/05/17 09:24	06/07/17 17:45	10
2-Methylnaphthalene	**410**		350	26	ug/Kg	☼	06/05/17 09:24	06/07/17 17:45	10
2-Methylphenol	ND		11000	580	ug/Kg	☼	06/05/17 09:24	06/07/17 17:45	10
3 & 4 Methylphenol	ND		21000	1100	ug/Kg	☼	06/05/17 09:24	06/07/17 17:45	10
Naphthalene	**310**	**J**	350	43	ug/Kg	☼	06/05/17 09:24	06/07/17 17:45	10
2-Nitroaniline	ND		11000	480	ug/Kg	☼	06/05/17 09:24	06/07/17 17:45	10
3-Nitroaniline	ND		11000	850	ug/Kg	☼	06/05/17 09:24	06/07/17 17:45	10
4-Nitroaniline	ND		11000	1400	ug/Kg	☼	06/05/17 09:24	06/07/17 17:45	10
Nitrobenzene	ND		5300	120	ug/Kg	☼	06/05/17 09:24	06/07/17 17:45	10
2-Nitrophenol	ND		2600	440	ug/Kg	☼	06/05/17 09:24	06/07/17 17:45	10
4-Nitrophenol	ND		17000	900	ug/Kg	☼	06/05/17 09:24	06/07/17 17:45	10
N-Nitrosodi-n-propylamine	ND		2600	330	ug/Kg	☼	06/05/17 09:24	06/07/17 17:45	10
N-Nitrosodiphenylamine	ND		2600	1100	ug/Kg	☼	06/05/17 09:24	06/07/17 17:45	10
Pentachlorophenol	ND		7900	480	ug/Kg	☼	06/05/17 09:24	06/07/17 17:45	10
Phenanthrene	**2100**		350	39	ug/Kg	☼	06/05/17 09:24	06/07/17 17:45	10
Phenol	ND		2600	390	ug/Kg	☼	06/05/17 09:24	06/07/17 17:45	10
Pyrene	**3000**		350	23	ug/Kg	☼	06/05/17 09:24	06/07/17 17:45	10
2,4,5-Trichlorophenol	ND		7900	1300	ug/Kg	☼	06/05/17 09:24	06/07/17 17:45	10
2,4,6-Trichlorophenol	ND		7900	470	ug/Kg	☼	06/05/17 09:24	06/07/17 17:45	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*76*		*32 - 120*	*06/05/17 09:24*	*06/07/17 17:45*	*10*
2-Fluorophenol (Surr)	*68*		*29 - 120*	*06/05/17 09:24*	*06/07/17 17:45*	*10*
Nitrobenzene-d5 (Surr)	*68*		*30 - 120*	*06/05/17 09:24*	*06/07/17 17:45*	*10*
Phenol-d5 (Surr)	*72*		*29 - 120*	*06/05/17 09:24*	*06/07/17 17:45*	*10*
Terphenyl-d14 (Surr)	*78*		*41 - 120*	*06/05/17 09:24*	*06/07/17 17:45*	*10*
2,4,6-Tribromophenol (Surr)	*83*		*10 - 120*	*06/05/17 09:24*	*06/07/17 17:45*	*10*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C20	**5400**		1300	390	mg/Kg	☼	06/09/17 10:51	06/14/17 22:08	5
C20-C34	**7200**		1300	390	mg/Kg	☼	06/09/17 10:51	06/14/17 22:08	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*42*		*40 - 160*	*06/09/17 10:51*	*06/14/17 22:08*	*5*

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		27	13	ug/Kg	☼	06/06/17 09:50	06/09/17 20:35	1
alpha-BHC	ND		27	8.5	ug/Kg	☼	06/06/17 09:50	06/09/17 20:35	1
alpha-Chlordane	ND		27	20	ug/Kg	☼	06/06/17 09:50	06/09/17 20:35	1
beta-BHC	ND		27	21	ug/Kg	☼	06/06/17 09:50	06/09/17 20:35	1
4,4'-DDD	ND		27	17	ug/Kg	☼	06/06/17 09:50	06/09/17 20:35	1
4,4'-DDE	**20**	**J p**	27	6.4	ug/Kg	☼	06/06/17 09:50	06/09/17 20:35	1
4,4'-DDT	ND		27	7.4	ug/Kg	☼	06/06/17 09:50	06/09/17 20:35	1
delta-BHC	ND		27	6.9	ug/Kg	☼	06/06/17 09:50	06/09/17 20:35	1
Dieldrin	ND		27	4.8	ug/Kg	☼	06/06/17 09:50	06/09/17 20:35	1
Endosulfan I	ND		27	6.9	ug/Kg	☼	06/06/17 09:50	06/09/17 20:35	1
Endosulfan II	ND		27	9.5	ug/Kg	☼	06/06/17 09:50	06/09/17 20:35	1
Endosulfan sulfate	ND		27	6.4	ug/Kg	☼	06/06/17 09:50	06/09/17 20:35	1

Client Sample ID: SAMPLE SS9 - GRID C17

Date Collected: 06/01/17 17:20
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-10

Matrix: Solid
Percent Solids: 19.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin	ND		27	7.4	ug/Kg	☼	06/06/17 09:50	06/09/17 20:35	1
Endrin aldehyde	ND		540	190	ug/Kg	☼	06/06/17 09:50	06/12/17 22:21	20
Endrin ketone	ND		27	5.8	ug/Kg	☼	06/06/17 09:50	06/09/17 20:35	1
gamma-BHC (Lindane)	ND		27	15	ug/Kg	☼	06/06/17 09:50	06/09/17 20:35	1
gamma-Chlordane	ND		27	7.9	ug/Kg	☼	06/06/17 09:50	06/09/17 20:35	1
Heptachlor	ND		27	4.1	ug/Kg	☼	06/06/17 09:50	06/09/17 20:35	1
Heptachlor epoxide	ND		27	13	ug/Kg	☼	06/06/17 09:50	06/09/17 20:35	1
Methoxychlor	ND		52	6.4	ug/Kg	☼	06/06/17 09:50	06/09/17 20:35	1
Toxaphene	ND		530	200	ug/Kg	☼	06/06/17 09:50	06/09/17 20:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*121*		*13 - 135*	*06/06/17 09:50*	*06/09/17 20:35*	*1*
DCB Decachlorobiphenyl	*142*	*X*	*13 - 135*	*06/06/17 09:50*	*06/09/17 20:35*	*1*
DCB Decachlorobiphenyl	*102*		*13 - 135*	*06/06/17 09:50*	*06/12/17 22:21*	*20*
DCB Decachlorobiphenyl	*101*		*13 - 135*	*06/06/17 09:50*	*06/12/17 22:21*	*20*
Tetrachloro-m-xylene	*85*		*30 - 120*	*06/06/17 09:50*	*06/09/17 20:35*	*1*
Tetrachloro-m-xylene	*127*	*X*	*30 - 120*	*06/06/17 09:50*	*06/09/17 20:35*	*1*
Tetrachloro-m-xylene	*96*		*30 - 120*	*06/06/17 09:50*	*06/12/17 22:21*	*20*
Tetrachloro-m-xylene	*117*		*30 - 120*	*06/06/17 09:50*	*06/12/17 22:21*	*20*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		260	130	ug/Kg	☼	06/05/17 08:38	06/07/17 10:57	1
Aroclor-1221	ND		260	120	ug/Kg	☼	06/05/17 08:38	06/07/17 10:57	1
Aroclor-1232	ND		260	85	ug/Kg	☼	06/05/17 08:38	06/07/17 10:57	1
Aroclor-1242	ND		260	110	ug/Kg	☼	06/05/17 08:38	06/07/17 10:57	1
Aroclor-1248	ND		260	90	ug/Kg	☼	06/05/17 08:38	06/07/17 10:57	1
Aroclor-1254	**270**		260	74	ug/Kg	☼	06/05/17 08:38	06/07/17 10:57	1
Aroclor-1260	ND		260	95	ug/Kg	☼	06/05/17 08:38	06/07/17 10:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*84*		*14 - 128*	*06/05/17 08:38*	*06/07/17 10:57*	*1*
DCB Decachlorobiphenyl	*121*		*10 - 132*	*06/05/17 08:38*	*06/07/17 10:57*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	ND		1300	160	ug/Kg	☼	06/09/17 08:29	06/13/17 22:54	1
Silvex (2,4,5-TP)	ND		320	32	ug/Kg	☼	06/09/17 08:29	06/13/17 22:54	1
2,4,5-T	ND		320	37	ug/Kg	☼	06/09/17 08:29	06/13/17 22:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*36*		*19 - 120*	*06/09/17 08:29*	*06/13/17 22:54*	*1*
2,4-Dichlorophenylacetic acid	*35*		*19 - 120*	*06/09/17 08:29*	*06/13/17 22:54*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4800**		98	29	mg/Kg	☼	06/06/17 11:24	06/07/17 20:22	1
Calcium	**78000**		2500	110	mg/Kg	☼	06/06/17 11:24	06/07/17 20:22	1
Iron	**22000**	**B**	49	16	mg/Kg	☼	06/06/17 11:24	06/07/17 20:22	1
Magnesium	**2700**	**B**	2500	26	mg/Kg	☼	06/06/17 11:24	06/07/17 20:22	1
Potassium	**580**	**J**	2500	30	mg/Kg	☼	06/06/17 11:24	06/07/17 20:22	1

Client Sample ID: SAMPLE SS9 - GRID C17

Date Collected: 06/01/17 17:20
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-10

Matrix: Solid
Percent Solids: 19.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		2.5	1.7	mg/Kg	☼	06/06/17 11:24	06/07/17 20:22	1
Sodium	**670**	**J**	2500	93	mg/Kg	☼	06/06/17 11:24	06/07/17 20:22	1

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**26**		4.9	0.13	mg/Kg	☼	06/06/17 11:24	06/09/17 02:42	2
Barium	**200**		4.9	1.1	mg/Kg	☼	06/06/17 11:24	06/09/17 02:42	2
Cadmium	**2.0**		0.98	0.018	mg/Kg	☼	06/06/17 11:24	06/09/17 02:42	2
Chromium	**42**	**B**	2.0	0.30	mg/Kg	☼	06/06/17 11:24	06/09/17 02:42	2
Copper	**86**	**B**	2.0	0.48	mg/Kg	☼	06/06/17 11:24	06/09/17 02:42	2
Lead	**330**	**B**	0.98	0.22	mg/Kg	☼	06/06/17 11:24	06/09/17 23:03	2
Manganese	**660**	**B**	4.9	0.59	mg/Kg	☼	06/06/17 11:24	06/09/17 02:42	2
Nickel	**23**		2.0	0.19	mg/Kg	☼	06/06/17 11:24	06/09/17 02:42	2
Strontium	**100**	**B**	9.8	0.12	mg/Kg	☼	06/06/17 11:24	06/09/17 02:42	2
Zinc	**930**	**B**	20	2.5	mg/Kg	☼	06/06/17 11:24	06/09/17 02:42	2

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.37**	**J**	0.57	0.10	mg/Kg	☼	06/06/17 16:00	06/07/17 11:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Duplicates	**210000**		5300	3900	mg/Kg	☼		06/13/17 16:43	1
Percent Solids	**19.0**		0.1	0.1	%			06/05/17 08:34	1
Percent Moisture	**81.0**		0.1	0.1	%			06/05/17 08:34	1

Method: D422 - Grain Size

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gravel	**0.0**				%			06/08/17 19:00	1
Sieve Size 3 inch - Percent Finer	**100.0**				% Passing			06/08/17 19:00	1
Sand	**45.2**				%			06/08/17 19:00	1
Sieve Size 2 inch - Percent Finer	**100.0**				% Passing			06/08/17 19:00	1
Coarse Sand	**21.9**				%			06/08/17 19:00	1
Sieve Size 1.5 inch - Percent Finer	**100.0**				% Passing			06/08/17 19:00	1
Medium Sand	**8.4**				%			06/08/17 19:00	1
Sieve Size 1 inch - Percent Finer	**100.0**				% Passing			06/08/17 19:00	1
Fine Sand	**14.9**				%			06/08/17 19:00	1
Sieve Size 0.75 inch - Percent Finer	**100.0**				% Passing			06/08/17 19:00	1
Sieve Size 0.375 inch - Percent Finer	**100.0**				% Passing			06/08/17 19:00	1
Silt	**39.9**				%			06/08/17 19:00	1
Clay	**14.9**				%			06/08/17 19:00	1
Sieve Size #4 - Percent Finer	**100.0**				% Passing			06/08/17 19:00	1
Sieve Size #10 - Percent Finer	**78.1**				% Passing			06/08/17 19:00	1
Sieve Size #20 - Percent Finer	**73.7**				% Passing			06/08/17 19:00	1
Sieve Size #40 - Percent Finer	**69.7**				% Passing			06/08/17 19:00	1
Sieve Size #60 - Percent Finer	**64.9**				% Passing			06/08/17 19:00	1
Sieve Size #80 - Percent Finer	**62.4**				% Passing			06/08/17 19:00	1
Sieve Size #100 - Percent Finer	**60.8**				% Passing			06/08/17 19:00	1
Sieve Size #200 - Percent Finer	**54.8**				% Passing			06/08/17 19:00	1

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron Ohio

TestAmerica Job ID: 240-80352-1

Client Sample ID: SAMPLE SS9 - GRID C17
Date Collected: 06/01/17 17:20
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-10
Matrix: Solid
Percent Solids: 19.0

Method: D422 - Grain Size (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hydrometer Reading 1 - Percent Finer	29.2				% Passing			06/08/17 19:00	1
Hydrometer Reading 2 - Percent Finer	27.1				% Passing			06/08/17 19:00	1
Hydrometer Reading 3 - Percent Finer	21.0				% Passing			06/08/17 19:00	1
Hydrometer Reading 4 - Percent Finer	16.9				% Passing			06/08/17 19:00	1
Hydrometer Reading 5 - Percent Finer	14.9				% Passing			06/08/17 19:00	1
Hydrometer Reading 6 - Percent Finer	9.7				% Passing			06/08/17 19:00	1
Hydrometer Reading 7 - Percent Finer	8.2				% Passing			06/08/17 19:00	1

Client Sample ID: SAMPLE SS10 - GRID C52

Date Collected: 06/01/17 18:00
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-11

Matrix: Solid
Percent Solids: 33.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		14	0.65	ug/Kg	☼	06/07/17 11:43	06/07/17 13:28	1
1,1,2,2-Tetrachloroethane	ND	F1 F2	120	6.4	ug/Kg	☼	06/07/17 11:43	06/07/17 14:32	1
1,1,2-Trichloroethane	ND		14	1.1	ug/Kg	☼	06/07/17 11:43	06/07/17 13:28	1
1,1-Dichloroethane	ND		14	0.93	ug/Kg	☼	06/07/17 11:43	06/07/17 13:28	1
1,1-Dichloroethene	ND		14	1.5	ug/Kg	☼	06/07/17 11:43	06/07/17 13:28	1
1,2,4-Trichlorobenzene	ND		120	5.9	ug/Kg	☼	06/07/17 11:43	06/07/17 14:32	1
1,2-Dibromo-3-Chloropropane	ND		250	17	ug/Kg	☼	06/07/17 11:43	06/07/17 14:32	1
1,2-Dichlorobenzene	ND		120	5.4	ug/Kg	☼	06/07/17 11:43	06/07/17 14:32	1
1,2-Dichloroethane	ND		14	0.82	ug/Kg	☼	06/07/17 11:43	06/07/17 13:28	1
1,2-Dichloropropane	ND		14	0.87	ug/Kg	☼	06/07/17 11:43	06/07/17 13:28	1
1,3-Dichlorobenzene	ND		120	7.1	ug/Kg	☼	06/07/17 11:43	06/07/17 14:32	1
1,4-Dichlorobenzene	ND		120	8.6	ug/Kg	☼	06/07/17 11:43	06/07/17 14:32	1
2-Hexanone	ND		56	1.6	ug/Kg	☼	06/07/17 11:43	06/07/17 13:28	1
Acetone	**94**		56	8.6	ug/Kg	☼	06/07/17 11:43	06/07/17 13:28	1
Benzene	ND		14	0.90	ug/Kg	☼	06/07/17 11:43	06/07/17 13:28	1
Bromoform	ND		14	1.1	ug/Kg	☼	06/07/17 11:43	06/07/17 13:28	1
Bromomethane	ND		28	1.7	ug/Kg	☼	06/07/17 11:43	06/07/17 13:28	1
Carbon disulfide	**6.8**	**J**	14	0.59	ug/Kg	☼	06/07/17 11:43	06/07/17 13:28	1
Carbon tetrachloride	ND		14	0.70	ug/Kg	☼	06/07/17 11:43	06/07/17 13:28	1
Chlorobenzene	ND		14	0.93	ug/Kg	☼	06/07/17 11:43	06/07/17 13:28	1
Chloroethane	ND		28	1.1	ug/Kg	☼	06/07/17 11:43	06/07/17 13:28	1
Chloroform	ND		14	0.65	ug/Kg	☼	06/07/17 11:43	06/07/17 13:28	1
Chloromethane	ND		28	1.1	ug/Kg	☼	06/07/17 11:43	06/07/17 13:28	1
cis-1,2-Dichloroethene	ND		7.0	0.79	ug/Kg	☼	06/07/17 11:43	06/07/17 13:28	1
cis-1,3-Dichloropropene	ND		14	0.73	ug/Kg	☼	06/07/17 11:43	06/07/17 13:28	1
Dichlorobromomethane	ND		14	0.93	ug/Kg	☼	06/07/17 11:43	06/07/17 13:28	1
Dichlorodifluoromethane	ND		28	0.98	ug/Kg	☼	06/07/17 11:43	06/07/17 13:28	1
Ethylbenzene	ND		14	0.76	ug/Kg	☼	06/07/17 11:43	06/07/17 13:28	1
Ethylene Dibromide	ND		14	0.98	ug/Kg	☼	06/07/17 11:43	06/07/17 13:28	1
Isopropylbenzene	ND		14	0.56	ug/Kg	☼	06/07/17 11:43	06/07/17 13:28	1
2-Butanone (MEK)	**18**	**J**	56	3.6	ug/Kg	☼	06/07/17 11:43	06/07/17 13:28	1
4-Methyl-2-pentanone (MIBK)	ND		56	2.5	ug/Kg	☼	06/07/17 11:43	06/07/17 13:28	1
Methyl tert-butyl ether	ND		14	0.76	ug/Kg	☼	06/07/17 11:43	06/07/17 13:28	1
Methylene Chloride	**12**	**J B**	14	0.67	ug/Kg	☼	06/07/17 11:43	06/07/17 13:28	1
Styrene	ND		14	0.76	ug/Kg	☼	06/07/17 11:43	06/07/17 13:28	1
Tetrachloroethene	ND		14	1.0	ug/Kg	☼	06/07/17 11:43	06/07/17 13:28	1
Toluene	ND		14	0.96	ug/Kg	☼	06/07/17 11:43	06/07/17 13:28	1
trans-1,2-Dichloroethene	ND		7.0	1.1	ug/Kg	☼	06/07/17 11:43	06/07/17 13:28	1
trans-1,3-Dichloropropene	ND		14	0.59	ug/Kg	☼	06/07/17 11:43	06/07/17 13:28	1
Trichloroethene	ND		14	1.2	ug/Kg	☼	06/07/17 11:43	06/07/17 13:28	1
Trichlorofluoromethane	ND		28	0.67	ug/Kg	☼	06/07/17 11:43	06/07/17 13:28	1
Vinyl chloride	ND		28	0.79	ug/Kg	☼	06/07/17 11:43	06/07/17 13:28	1
Xylenes, Total	ND		14	1.1	ug/Kg	☼	06/07/17 11:43	06/07/17 13:28	1
Chlorodibromomethane	ND		14	0.84	ug/Kg	☼	06/07/17 11:43	06/07/17 13:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*85*		*61 - 127*	*06/07/17 11:43*	*06/07/17 13:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*79*		*61 - 127*	*06/07/17 11:43*	*06/07/17 14:32*	*1*
4-Bromofluorobenzene (Surr)	*128*	*	*61 - 132*	*06/07/17 11:43*	*06/07/17 13:28*	*1*

Client Sample ID: SAMPLE SS10 - GRID C52

Date Collected: 06/01/17 18:00
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-11

Matrix: Solid
Percent Solids: 33.1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*108*		*61 - 132*	*06/07/17 11:43*	*06/07/17 14:32*	*1*
Toluene-d8 (Surr)	*90*		*66 - 125*	*06/07/17 11:43*	*06/07/17 13:28*	*1*
Toluene-d8 (Surr)	*80*		*66 - 125*	*06/07/17 11:43*	*06/07/17 14:32*	*1*
Dibromofluoromethane (Surr)	*86*		*43 - 131*	*06/07/17 11:43*	*06/07/17 13:28*	*1*
Dibromofluoromethane (Surr)	*85*		*43 - 131*	*06/07/17 11:43*	*06/07/17 14:32*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**1900**		200	23	ug/Kg	☼	06/05/17 09:24	06/07/17 17:21	10
Acenaphthylene	ND		200	11	ug/Kg	☼	06/05/17 09:24	06/07/17 17:21	10
Acetophenone	ND		3100	280	ug/Kg	☼	06/05/17 09:24	06/07/17 17:21	10
Anthracene	**5000**		200	24	ug/Kg	☼	06/05/17 09:24	06/07/17 17:21	10
Benzo[a]anthracene	**6500**		200	19	ug/Kg	☼	06/05/17 09:24	06/07/17 17:21	10
Benzo[a]pyrene	**6400**		200	20	ug/Kg	☼	06/05/17 09:24	06/07/17 17:21	10
Benzo[b]fluoranthene	**7800**		200	18	ug/Kg	☼	06/05/17 09:24	06/07/17 17:21	10
Benzo[g,h,i]perylene	**2800**		200	11	ug/Kg	☼	06/05/17 09:24	06/07/17 17:21	10
Benzo[k]fluoranthene	**3200**		200	21	ug/Kg	☼	06/05/17 09:24	06/07/17 17:21	10
Bis(2-chloroethoxy)methane	ND		3100	670	ug/Kg	☼	06/05/17 09:24	06/07/17 17:21	10
Bis(2-chloroethyl)ether	ND		3100	61	ug/Kg	☼	06/05/17 09:24	06/07/17 17:21	10
bis (2-chloroisopropyl) ether	ND		3100	290	ug/Kg	☼	06/05/17 09:24	06/07/17 17:21	10
Bis(2-ethylhexyl) phthalate	ND		2100	580	ug/Kg	☼	06/05/17 09:24	06/07/17 17:21	10
4-Bromophenyl phenyl ether	ND		1500	400	ug/Kg	☼	06/05/17 09:24	06/07/17 17:21	10
Butyl benzyl phthalate	ND		2100	310	ug/Kg	☼	06/05/17 09:24	06/07/17 17:21	10
4-Chloroaniline	ND		4600	520	ug/Kg	☼	06/05/17 09:24	06/07/17 17:21	10
4-Chloro-3-methylphenol	ND		4600	640	ug/Kg	☼	06/05/17 09:24	06/07/17 17:21	10
2-Chloronaphthalene	ND		1500	14	ug/Kg	☼	06/05/17 09:24	06/07/17 17:21	10
2-Chlorophenol	ND		1500	250	ug/Kg	☼	06/05/17 09:24	06/07/17 17:21	10
4-Chlorophenyl phenyl ether	ND		1500	400	ug/Kg	☼	06/05/17 09:24	06/07/17 17:21	10
Chrysene	**6000**		200	34	ug/Kg	☼	06/05/17 09:24	06/07/17 17:21	10
Dibenz(a,h)anthracene	**730**		200	20	ug/Kg	☼	06/05/17 09:24	06/07/17 17:21	10
Dibenzofuran	**1100**	**J**	1500	20	ug/Kg	☼	06/05/17 09:24	06/07/17 17:21	10
3,3'-Dichlorobenzidine	ND		3100	550	ug/Kg	☼	06/05/17 09:24	06/07/17 17:21	10
2,4-Dichlorophenol	ND		4600	610	ug/Kg	☼	06/05/17 09:24	06/07/17 17:21	10
Diethyl phthalate	ND		2100	490	ug/Kg	☼	06/05/17 09:24	06/07/17 17:21	10
2,4-Dimethylphenol	ND		4600	610	ug/Kg	☼	06/05/17 09:24	06/07/17 17:21	10
Dimethyl phthalate	ND		2100	520	ug/Kg	☼	06/05/17 09:24	06/07/17 17:21	10
Di-n-butyl phthalate	ND		2100	460	ug/Kg	☼	06/05/17 09:24	06/07/17 17:21	10
4,6-Dinitro-2-methylphenol	ND		4600	280	ug/Kg	☼	06/05/17 09:24	06/07/17 17:21	10
2,4-Dinitrophenol	ND		10000	640	ug/Kg	☼	06/05/17 09:24	06/07/17 17:21	10
2,4-Dinitrotoluene	ND		6100	520	ug/Kg	☼	06/05/17 09:24	06/07/17 17:21	10
2,6-Dinitrotoluene	ND		6100	640	ug/Kg	☼	06/05/17 09:24	06/07/17 17:21	10
Di-n-octyl phthalate	ND		2100	240	ug/Kg	☼	06/05/17 09:24	06/07/17 17:21	10
Fluoranthene	**20000**		200	17	ug/Kg	☼	06/05/17 09:24	06/07/17 17:21	10
Fluorene	**2200**		200	16	ug/Kg	☼	06/05/17 09:24	06/07/17 17:21	10
Hexachlorobenzene	ND		200	64	ug/Kg	☼	06/05/17 09:24	06/07/17 17:21	10
Hexachlorobutadiene	ND		1500	170	ug/Kg	☼	06/05/17 09:24	06/07/17 17:21	10
Hexachlorocyclopentadiene	ND		10000	250	ug/Kg	☼	06/05/17 09:24	06/07/17 17:21	10
Hexachloroethane	ND		1500	280	ug/Kg	☼	06/05/17 09:24	06/07/17 17:21	10
Indeno[1,2,3-cd]pyrene	**2400**		200	11	ug/Kg	☼	06/05/17 09:24	06/07/17 17:21	10

Client Sample ID: SAMPLE SS10 - GRID C52

Date Collected: 06/01/17 18:00
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-11

Matrix: Solid
Percent Solids: 33.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isophorone	ND		1500	400	ug/Kg	☼	06/05/17 09:24	06/07/17 17:21	10
2-Methylnaphthalene	**470**		200	15	ug/Kg	☼	06/05/17 09:24	06/07/17 17:21	10
2-Methylphenol	ND		6100	340	ug/Kg	☼	06/05/17 09:24	06/07/17 17:21	10
3 & 4 Methylphenol	ND		12000	610	ug/Kg	☼	06/05/17 09:24	06/07/17 17:21	10
Naphthalene	**470**		200	25	ug/Kg	☼	06/05/17 09:24	06/07/17 17:21	10
2-Nitroaniline	ND		6100	280	ug/Kg	☼	06/05/17 09:24	06/07/17 17:21	10
3-Nitroaniline	ND		6100	490	ug/Kg	☼	06/05/17 09:24	06/07/17 17:21	10
4-Nitroaniline	ND		6100	790	ug/Kg	☼	06/05/17 09:24	06/07/17 17:21	10
Nitrobenzene	ND		3100	67	ug/Kg	☼	06/05/17 09:24	06/07/17 17:21	10
2-Nitrophenol	ND		1500	250	ug/Kg	☼	06/05/17 09:24	06/07/17 17:21	10
4-Nitrophenol	ND		10000	520	ug/Kg	☼	06/05/17 09:24	06/07/17 17:21	10
N-Nitrosodi-n-propylamine	ND		1500	190	ug/Kg	☼	06/05/17 09:24	06/07/17 17:21	10
N-Nitrosodiphenylamine	ND		1500	640	ug/Kg	☼	06/05/17 09:24	06/07/17 17:21	10
Pentachlorophenol	ND		4600	280	ug/Kg	☼	06/05/17 09:24	06/07/17 17:21	10
Phenanthrene	**16000**		200	22	ug/Kg	☼	06/05/17 09:24	06/07/17 17:21	10
Phenol	ND		1500	220	ug/Kg	☼	06/05/17 09:24	06/07/17 17:21	10
Pyrene	**15000**		200	13	ug/Kg	☼	06/05/17 09:24	06/07/17 17:21	10
2,4,5-Trichlorophenol	ND		4600	760	ug/Kg	☼	06/05/17 09:24	06/07/17 17:21	10
2,4,6-Trichlorophenol	ND		4600	270	ug/Kg	☼	06/05/17 09:24	06/07/17 17:21	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*74*		*32 - 120*	*06/05/17 09:24*	*06/07/17 17:21*	*10*
2-Fluorophenol (Surr)	*66*		*29 - 120*	*06/05/17 09:24*	*06/07/17 17:21*	*10*
Nitrobenzene-d5 (Surr)	*66*		*30 - 120*	*06/05/17 09:24*	*06/07/17 17:21*	*10*
Phenol-d5 (Surr)	*72*		*29 - 120*	*06/05/17 09:24*	*06/07/17 17:21*	*10*
Terphenyl-d14 (Surr)	*82*		*41 - 120*	*06/05/17 09:24*	*06/07/17 17:21*	*10*
2,4,6-Tribromophenol (Surr)	*83*		*10 - 120*	*06/05/17 09:24*	*06/07/17 17:21*	*10*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C20	**1100**		150	45	mg/Kg	☼	06/09/17 10:51	06/14/17 22:39	1
C20-C34	**680**		150	45	mg/Kg	☼	06/09/17 10:51	06/14/17 22:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*52*		*40 - 160*	*06/09/17 10:51*	*06/14/17 22:39*	*1*

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		15	7.1	ug/Kg	☼	06/06/17 09:50	06/09/17 21:00	1
alpha-BHC	ND		15	4.8	ug/Kg	☼	06/06/17 09:50	06/09/17 21:00	1
alpha-Chlordane	ND		15	11	ug/Kg	☼	06/06/17 09:50	06/09/17 21:00	1
beta-BHC	ND		15	12	ug/Kg	☼	06/06/17 09:50	06/09/17 21:00	1
4,4'-DDD	ND		15	9.8	ug/Kg	☼	06/06/17 09:50	06/09/17 21:00	1
4,4'-DDE	**4.4**	**J p**	15	3.6	ug/Kg	☼	06/06/17 09:50	06/09/17 21:00	1
4,4'-DDT	ND		15	4.2	ug/Kg	☼	06/06/17 09:50	06/09/17 21:00	1
delta-BHC	ND		15	3.9	ug/Kg	☼	06/06/17 09:50	06/09/17 21:00	1
Dieldrin	ND		15	2.7	ug/Kg	☼	06/06/17 09:50	06/09/17 21:00	1
Endosulfan I	ND		15	3.9	ug/Kg	☼	06/06/17 09:50	06/09/17 21:00	1
Endosulfan II	ND		15	5.4	ug/Kg	☼	06/06/17 09:50	06/09/17 21:00	1
Endosulfan sulfate	ND		15	3.6	ug/Kg	☼	06/06/17 09:50	06/09/17 21:00	1

Client Sample ID: SAMPLE SS10 - GRID C52

Date Collected: 06/01/17 18:00
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-11

Matrix: Solid
Percent Solids: 33.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin	ND		15	4.2	ug/Kg	☼	06/06/17 09:50	06/09/17 21:00	1
Endrin aldehyde	ND		300	110	ug/Kg	☼	06/06/17 09:50	06/12/17 22:47	20
Endrin ketone	ND		15	3.3	ug/Kg	☼	06/06/17 09:50	06/09/17 21:00	1
gamma-BHC (Lindane)	ND		15	8.6	ug/Kg	☼	06/06/17 09:50	06/09/17 21:00	1
gamma-Chlordane	ND		15	4.5	ug/Kg	☼	06/06/17 09:50	06/09/17 21:00	1
Heptachlor	ND		15	2.3	ug/Kg	☼	06/06/17 09:50	06/09/17 21:00	1
Heptachlor epoxide	ND		15	7.1	ug/Kg	☼	06/06/17 09:50	06/09/17 21:00	1
Methoxychlor	ND		29	3.6	ug/Kg	☼	06/06/17 09:50	06/09/17 21:00	1
Toxaphene	ND		300	110	ug/Kg	☼	06/06/17 09:50	06/09/17 21:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*148*	*X*	*13 - 135*	*06/06/17 09:50*	*06/09/17 21:00*	*1*
DCB Decachlorobiphenyl	*178*	*X*	*13 - 135*	*06/06/17 09:50*	*06/09/17 21:00*	*1*
DCB Decachlorobiphenyl	*59*		*13 - 135*	*06/06/17 09:50*	*06/12/17 22:47*	*20*
DCB Decachlorobiphenyl	*70*		*13 - 135*	*06/06/17 09:50*	*06/12/17 22:47*	*20*
Tetrachloro-m-xylene	*120*		*30 - 120*	*06/06/17 09:50*	*06/09/17 21:00*	*1*
Tetrachloro-m-xylene	*172*	*X*	*30 - 120*	*06/06/17 09:50*	*06/09/17 21:00*	*1*
Tetrachloro-m-xylene	*198*	*X*	*30 - 120*	*06/06/17 09:50*	*06/12/17 22:47*	*20*
Tetrachloro-m-xylene	*54*		*30 - 120*	*06/06/17 09:50*	*06/12/17 22:47*	*20*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		150	72	ug/Kg	☼	06/05/17 08:38	06/07/17 11:17	1
Aroclor-1221	ND		150	69	ug/Kg	☼	06/05/17 08:38	06/07/17 11:17	1
Aroclor-1232	ND		150	48	ug/Kg	☼	06/05/17 08:38	06/07/17 11:17	1
Aroclor-1242	ND		150	60	ug/Kg	☼	06/05/17 08:38	06/07/17 11:17	1
Aroclor-1248	ND		150	51	ug/Kg	☼	06/05/17 08:38	06/07/17 11:17	1
Aroclor-1254	ND		150	42	ug/Kg	☼	06/05/17 08:38	06/07/17 11:17	1
Aroclor-1260	ND		150	54	ug/Kg	☼	06/05/17 08:38	06/07/17 11:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*83*		*14 - 128*	*06/05/17 08:38*	*06/07/17 11:17*	*1*
DCB Decachlorobiphenyl	*97*		*10 - 132*	*06/05/17 08:38*	*06/07/17 11:17*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	ND		720	90	ug/Kg	☼	06/09/17 08:29	06/13/17 23:25	1
Silvex (2,4,5-TP)	ND		180	18	ug/Kg	☼	06/09/17 08:29	06/13/17 23:25	1
2,4,5-T	ND		180	21	ug/Kg	☼	06/09/17 08:29	06/13/17 23:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*34*		*19 - 120*	*06/09/17 08:29*	*06/13/17 23:25*	*1*
2,4-Dichlorophenylacetic acid	*32*		*19 - 120*	*06/09/17 08:29*	*06/13/17 23:25*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**3400**		48	14	mg/Kg	☼	06/06/17 11:24	06/07/17 20:26	1
Calcium	**56000**		1200	56	mg/Kg	☼	06/06/17 11:24	06/07/17 20:26	1
Iron	**11000**	**B**	24	7.7	mg/Kg	☼	06/06/17 11:24	06/07/17 20:26	1
Magnesium	**2100**	**B**	1200	13	mg/Kg	☼	06/06/17 11:24	06/07/17 20:26	1
Potassium	**310**	**J**	1200	15	mg/Kg	☼	06/06/17 11:24	06/07/17 20:26	1

Client Sample ID: SAMPLE SS10 - GRID C52

Date Collected: 06/01/17 18:00
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-11

Matrix: Solid
Percent Solids: 33.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		1.2	0.82	mg/Kg	☼	06/06/17 11:24	06/07/17 20:26	1
Sodium	**410**	**J**	1200	46	mg/Kg	☼	06/06/17 11:24	06/07/17 20:26	1

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**14**		2.4	0.063	mg/Kg	☼	06/06/17 11:24	06/09/17 02:47	2
Barium	**74**		2.4	0.53	mg/Kg	☼	06/06/17 11:24	06/09/17 02:47	2
Cadmium	**0.64**		0.48	0.0089	mg/Kg	☼	06/06/17 11:24	06/09/17 02:47	2
Chromium	**9.7**	**B**	0.97	0.15	mg/Kg	☼	06/06/17 11:24	06/09/17 02:47	2
Copper	**27**	**B**	0.97	0.23	mg/Kg	☼	06/06/17 11:24	06/09/17 02:47	2
Lead	**110**	**B**	0.48	0.11	mg/Kg	☼	06/06/17 11:24	06/09/17 23:07	2
Manganese	**500**	**B**	2.4	0.29	mg/Kg	☼	06/06/17 11:24	06/09/17 02:47	2
Nickel	**12**		0.97	0.094	mg/Kg	☼	06/06/17 11:24	06/09/17 02:47	2
Strontium	**110**	**B**	4.8	0.060	mg/Kg	☼	06/06/17 11:24	06/09/17 02:47	2
Zinc	**240**	**B**	9.7	1.2	mg/Kg	☼	06/06/17 11:24	06/09/17 02:47	2

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.17**	**J**	0.30	0.054	mg/Kg	☼	06/06/17 16:00	06/07/17 11:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Duplicates	**250000**		3000	2300	mg/Kg	☼		06/13/17 17:12	1
Percent Solids	**33.1**		0.1	0.1	%			06/05/17 08:34	1
Percent Moisture	**66.9**		0.1	0.1	%			06/05/17 08:34	1

Method: D422 - Grain Size

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gravel	**13.4**				%			06/08/17 19:01	1
Sieve Size 3 inch - Percent Finer	**100.0**				% Passing			06/08/17 19:01	1
Sand	**63.4**				%			06/08/17 19:01	1
Sieve Size 2 inch - Percent Finer	**100.0**				% Passing			06/08/17 19:01	1
Coarse Sand	**17.3**				%			06/08/17 19:01	1
Sieve Size 1.5 inch - Percent Finer	**100.0**				% Passing			06/08/17 19:01	1
Medium Sand	**14.7**				%			06/08/17 19:01	1
Sieve Size 1 inch - Percent Finer	**100.0**				% Passing			06/08/17 19:01	1
Fine Sand	**31.4**				%			06/08/17 19:01	1
Sieve Size 0.75 inch - Percent Finer	**100.0**				% Passing			06/08/17 19:01	1
Sieve Size 0.375 inch - Percent Finer	**95.2**				% Passing			06/08/17 19:01	1
Silt	**20.7**				%			06/08/17 19:01	1
Clay	**2.5**				%			06/08/17 19:01	1
Sieve Size #4 - Percent Finer	**86.6**				% Passing			06/08/17 19:01	1
Sieve Size #10 - Percent Finer	**69.3**				% Passing			06/08/17 19:01	1
Sieve Size #20 - Percent Finer	**64.6**				% Passing			06/08/17 19:01	1
Sieve Size #40 - Percent Finer	**54.6**				% Passing			06/08/17 19:01	1
Sieve Size #60 - Percent Finer	**39.2**				% Passing			06/08/17 19:01	1
Sieve Size #80 - Percent Finer	**31.3**				% Passing			06/08/17 19:01	1
Sieve Size #100 - Percent Finer	**28.1**				% Passing			06/08/17 19:01	1
Sieve Size #200 - Percent Finer	**23.2**				% Passing			06/08/17 19:01	1

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron Ohio

TestAmerica Job ID: 240-80352-1

Client Sample ID: SAMPLE SS10 - GRID C52
Date Collected: 06/01/17 18:00
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-11
Matrix: Solid
Percent Solids: 33.1

Method: D422 - Grain Size (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hydrometer Reading 1 - Percent Finer	9.3				% Passing			06/08/17 19:01	1
Hydrometer Reading 2 - Percent Finer	5.9				% Passing			06/08/17 19:01	1
Hydrometer Reading 3 - Percent Finer	4.8				% Passing			06/08/17 19:01	1
Hydrometer Reading 4 - Percent Finer	3.7				% Passing			06/08/17 19:01	1
Hydrometer Reading 5 - Percent Finer	2.5				% Passing			06/08/17 19:01	1
Hydrometer Reading 6 - Percent Finer	2.0				% Passing			06/08/17 19:01	1
Hydrometer Reading 7 - Percent Finer	2.3				% Passing			06/08/17 19:01	1

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron Ohio

TestAmerica Job ID: 240-80352-1

Client Sample ID: SAMPLE SS10DUP - GRID C52
Date Collected: 06/01/17 18:00
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-12
Matrix: Solid

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	35.4		0.1	0.1	%			06/05/17 08:34	1
Percent Moisture	64.6		0.1	0.1	%			06/05/17 08:34	1

Method: D422 - Grain Size

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gravel	12.4				%			06/08/17 19:03	1
Sieve Size 3 inch - Percent Finer	100.0				% Passing			06/08/17 19:03	1
Sand	60.0				%			06/08/17 19:03	1
Sieve Size 2 inch - Percent Finer	100.0				% Passing			06/08/17 19:03	1
Coarse Sand	15.1				%			06/08/17 19:03	1
Sieve Size 1.5 inch - Percent Finer	100.0				% Passing			06/08/17 19:03	1
Medium Sand	14.0				%			06/08/17 19:03	1
Sieve Size 1 inch - Percent Finer	100.0				% Passing			06/08/17 19:03	1
Fine Sand	30.9				%			06/08/17 19:03	1
Sieve Size 0.75 inch - Percent Finer	100.0				% Passing			06/08/17 19:03	1
Sieve Size 0.375 inch - Percent Finer	100.0				% Passing			06/08/17 19:03	1
Silt	25.0				%			06/08/17 19:03	1
Clay	2.6				%			06/08/17 19:03	1
Sieve Size #4 - Percent Finer	87.6				% Passing			06/08/17 19:03	1
Sieve Size #10 - Percent Finer	72.5				% Passing			06/08/17 19:03	1
Sieve Size #20 - Percent Finer	68.3				% Passing			06/08/17 19:03	1
Sieve Size #40 - Percent Finer	58.5				% Passing			06/08/17 19:03	1
Sieve Size #60 - Percent Finer	42.7				% Passing			06/08/17 19:03	1
Sieve Size #80 - Percent Finer	35.2				% Passing			06/08/17 19:03	1
Sieve Size #100 - Percent Finer	32.3				% Passing			06/08/17 19:03	1
Sieve Size #200 - Percent Finer	27.6				% Passing			06/08/17 19:03	1
Hydrometer Reading 1 - Percent Finer	10.7				% Passing			06/08/17 19:03	1
Hydrometer Reading 2 - Percent Finer	4.9				% Passing			06/08/17 19:03	1
Hydrometer Reading 3 - Percent Finer	2.6				% Passing			06/08/17 19:03	1
Hydrometer Reading 4 - Percent Finer	2.6				% Passing			06/08/17 19:03	1
Hydrometer Reading 5 - Percent Finer	2.6				% Passing			06/08/17 19:03	1
Hydrometer Reading 6 - Percent Finer	0.9				% Passing			06/08/17 19:03	1
Hydrometer Reading 7 - Percent Finer	1.2				% Passing			06/08/17 19:03	1

Client Sample ID: SAMPLE SS11 - GRID C75

Date Collected: 06/01/17 18:50
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-13

Matrix: Solid
Percent Solids: 18.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		23	1.1	ug/Kg	☼	06/06/17 11:43	06/06/17 18:11	1
1,1,2,2-Tetrachloroethane	ND		23	1.2	ug/Kg	☼	06/06/17 11:43	06/06/17 18:11	1
1,1,2-Trichloroethane	ND		23	1.8	ug/Kg	☼	06/06/17 11:43	06/06/17 18:11	1
1,1-Dichloroethane	ND		23	1.5	ug/Kg	☼	06/06/17 11:43	06/06/17 18:11	1
1,1-Dichloroethene	ND		23	2.5	ug/Kg	☼	06/06/17 11:43	06/06/17 18:11	1
1,2,4-Trichlorobenzene	ND		23	1.1	ug/Kg	☼	06/06/17 11:43	06/06/17 18:11	1
1,2-Dibromo-3-Chloropropane	ND		47	3.2	ug/Kg	☼	06/06/17 11:43	06/06/17 18:11	1
1,2-Dichlorobenzene	ND		23	1.0	ug/Kg	☼	06/06/17 11:43	06/06/17 18:11	1
1,2-Dichloroethane	ND		23	1.4	ug/Kg	☼	06/06/17 11:43	06/06/17 18:11	1
1,2-Dichloropropane	ND		23	1.5	ug/Kg	☼	06/06/17 11:43	06/06/17 18:11	1
1,3-Dichlorobenzene	ND		23	1.4	ug/Kg	☼	06/06/17 11:43	06/06/17 18:11	1
1,4-Dichlorobenzene	ND		23	1.6	ug/Kg	☼	06/06/17 11:43	06/06/17 18:11	1
2-Hexanone	ND		94	2.7	ug/Kg	☼	06/06/17 11:43	06/06/17 18:11	1
Acetone	**450**		94	14	ug/Kg	☼	06/06/17 11:43	06/06/17 18:11	1
Benzene	ND		23	1.5	ug/Kg	☼	06/06/17 11:43	06/06/17 18:11	1
Bromoform	ND		23	1.9	ug/Kg	☼	06/06/17 11:43	06/06/17 18:11	1
Bromomethane	ND		47	2.8	ug/Kg	☼	06/06/17 11:43	06/06/17 18:11	1
Carbon disulfide	**5.3**	**J**	23	0.98	ug/Kg	☼	06/06/17 11:43	06/06/17 18:11	1
Carbon tetrachloride	ND		23	1.2	ug/Kg	☼	06/06/17 11:43	06/06/17 18:11	1
Chlorobenzene	ND		23	1.5	ug/Kg	☼	06/06/17 11:43	06/06/17 18:11	1
Chloroethane	ND		47	1.8	ug/Kg	☼	06/06/17 11:43	06/06/17 18:11	1
Chloroform	ND		23	1.1	ug/Kg	☼	06/06/17 11:43	06/06/17 18:11	1
Chloromethane	ND		47	1.8	ug/Kg	☼	06/06/17 11:43	06/06/17 18:11	1
cis-1,2-Dichloroethene	ND		12	1.3	ug/Kg	☼	06/06/17 11:43	06/06/17 18:11	1
cis-1,3-Dichloropropene	ND		23	1.2	ug/Kg	☼	06/06/17 11:43	06/06/17 18:11	1
Dichlorobromomethane	ND		23	1.5	ug/Kg	☼	06/06/17 11:43	06/06/17 18:11	1
Dichlorodifluoromethane	ND		47	1.6	ug/Kg	☼	06/06/17 11:43	06/06/17 18:11	1
Ethylbenzene	ND		23	1.3	ug/Kg	☼	06/06/17 11:43	06/06/17 18:11	1
Ethylene Dibromide	ND		23	1.6	ug/Kg	☼	06/06/17 11:43	06/06/17 18:11	1
Isopropylbenzene	ND		23	0.94	ug/Kg	☼	06/06/17 11:43	06/06/17 18:11	1
2-Butanone (MEK)	**82**	**J**	94	5.9	ug/Kg	☼	06/06/17 11:43	06/06/17 18:11	1
4-Methyl-2-pentanone (MIBK)	ND		94	4.2	ug/Kg	☼	06/06/17 11:43	06/06/17 18:11	1
Methyl tert-butyl ether	ND		23	1.3	ug/Kg	☼	06/06/17 11:43	06/06/17 18:11	1
Methylene Chloride	**2.3**	**J B**	23	1.1	ug/Kg	☼	06/06/17 11:43	06/06/17 18:11	1
Styrene	ND		23	1.3	ug/Kg	☼	06/06/17 11:43	06/06/17 18:11	1
Tetrachloroethene	ND		23	1.7	ug/Kg	☼	06/06/17 11:43	06/06/17 18:11	1
Toluene	ND		23	1.6	ug/Kg	☼	06/06/17 11:43	06/06/17 18:11	1
trans-1,2-Dichloroethene	ND		12	1.8	ug/Kg	☼	06/06/17 11:43	06/06/17 18:11	1
trans-1,3-Dichloropropene	ND		23	0.98	ug/Kg	☼	06/06/17 11:43	06/06/17 18:11	1
Trichloroethene	ND		23	1.9	ug/Kg	☼	06/06/17 11:43	06/06/17 18:11	1
Trichlorofluoromethane	ND		47	1.1	ug/Kg	☼	06/06/17 11:43	06/06/17 18:11	1
Vinyl chloride	ND		47	1.3	ug/Kg	☼	06/06/17 11:43	06/06/17 18:11	1
Xylenes, Total	ND		23	1.9	ug/Kg	☼	06/06/17 11:43	06/06/17 18:11	1
Chlorodibromomethane	ND		23	1.4	ug/Kg	☼	06/06/17 11:43	06/06/17 18:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*80*		*61 - 127*	*06/06/17 11:43*	*06/06/17 18:11*	*1*
4-Bromofluorobenzene (Surr)	*108*		*61 - 132*	*06/06/17 11:43*	*06/06/17 18:11*	*1*
Toluene-d8 (Surr)	*78*		*66 - 125*	*06/06/17 11:43*	*06/06/17 18:11*	*1*

Client Sample ID: SAMPLE SS11 - GRID C75

Date Collected: 06/01/17 18:50
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-13

Matrix: Solid
Percent Solids: 18.7

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	*79*		*43 - 131*	*06/06/17 11:43*	*06/06/17 18:11*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND	F2	36	4.1	ug/Kg	☼	06/05/17 09:24	06/07/17 16:10	1
Acenaphthylene	ND	F2	36	1.9	ug/Kg	☼	06/05/17 09:24	06/07/17 16:10	1
Acetophenone	ND	F2	540	49	ug/Kg	☼	06/05/17 09:24	06/07/17 16:10	1
Anthracene	ND	F2	36	4.2	ug/Kg	☼	06/05/17 09:24	06/07/17 16:10	1
Benzo[a]anthracene	ND		36	3.4	ug/Kg	☼	06/05/17 09:24	06/07/17 16:10	1
Benzo[a]pyrene	ND		36	3.4	ug/Kg	☼	06/05/17 09:24	06/07/17 16:10	1
Benzo[b]fluoranthene	**41**		36	3.2	ug/Kg	☼	06/05/17 09:24	06/07/17 16:10	1
Benzo[g,h,i]perylene	ND		36	1.9	ug/Kg	☼	06/05/17 09:24	06/07/17 16:10	1
Benzo[k]fluoranthene	ND		36	3.6	ug/Kg	☼	06/05/17 09:24	06/07/17 16:10	1
Bis(2-chloroethoxy)methane	ND	F2	540	120	ug/Kg	☼	06/05/17 09:24	06/07/17 16:10	1
Bis(2-chloroethyl)ether	ND	F2	540	11	ug/Kg	☼	06/05/17 09:24	06/07/17 16:10	1
bis (2-chloroisopropyl) ether	ND	F2	540	51	ug/Kg	☼	06/05/17 09:24	06/07/17 16:10	1
Bis(2-ethylhexyl) phthalate	**430**	**B F2**	370	100	ug/Kg	☼	06/05/17 09:24	06/07/17 16:10	1
4-Bromophenyl phenyl ether	ND		270	70	ug/Kg	☼	06/05/17 09:24	06/07/17 16:10	1
Butyl benzyl phthalate	ND		370	54	ug/Kg	☼	06/05/17 09:24	06/07/17 16:10	1
4-Chloroaniline	ND		800	91	ug/Kg	☼	06/05/17 09:24	06/07/17 16:10	1
4-Chloro-3-methylphenol	ND	F2	800	110	ug/Kg	☼	06/05/17 09:24	06/07/17 16:10	1
2-Chloronaphthalene	ND	F2	270	2.4	ug/Kg	☼	06/05/17 09:24	06/07/17 16:10	1
2-Chlorophenol	ND	F2	270	44	ug/Kg	☼	06/05/17 09:24	06/07/17 16:10	1
4-Chlorophenyl phenyl ether	ND		270	70	ug/Kg	☼	06/05/17 09:24	06/07/17 16:10	1
Chrysene	ND		36	5.9	ug/Kg	☼	06/05/17 09:24	06/07/17 16:10	1
Dibenz(a,h)anthracene	ND		36	3.5	ug/Kg	☼	06/05/17 09:24	06/07/17 16:10	1
Dibenzofuran	ND	F2	270	3.5	ug/Kg	☼	06/05/17 09:24	06/07/17 16:10	1
3,3'-Dichlorobenzidine	ND	F2	540	96	ug/Kg	☼	06/05/17 09:24	06/07/17 16:10	1
2,4-Dichlorophenol	ND	F2	800	110	ug/Kg	☼	06/05/17 09:24	06/07/17 16:10	1
Diethyl phthalate	ND	F2	370	86	ug/Kg	☼	06/05/17 09:24	06/07/17 16:10	1
2,4-Dimethylphenol	ND	F2	800	110	ug/Kg	☼	06/05/17 09:24	06/07/17 16:10	1
Dimethyl phthalate	ND		370	91	ug/Kg	☼	06/05/17 09:24	06/07/17 16:10	1
Di-n-butyl phthalate	ND	F2	370	80	ug/Kg	☼	06/05/17 09:24	06/07/17 16:10	1
4,6-Dinitro-2-methylphenol	ND	F2	800	49	ug/Kg	☼	06/05/17 09:24	06/07/17 16:10	1
2,4-Dinitrophenol	ND	F2	1800	110	ug/Kg	☼	06/05/17 09:24	06/07/17 16:10	1
2,4-Dinitrotoluene	ND	F2	1100	91	ug/Kg	☼	06/05/17 09:24	06/07/17 16:10	1
2,6-Dinitrotoluene	ND	F2	1100	110	ug/Kg	☼	06/05/17 09:24	06/07/17 16:10	1
Di-n-octyl phthalate	ND	F2	370	42	ug/Kg	☼	06/05/17 09:24	06/07/17 16:10	1
Fluoranthene	**63**		36	2.9	ug/Kg	☼	06/05/17 09:24	06/07/17 16:10	1
Fluorene	ND	F2	36	2.8	ug/Kg	☼	06/05/17 09:24	06/07/17 16:10	1
Hexachlorobenzene	ND	F2	36	11	ug/Kg	☼	06/05/17 09:24	06/07/17 16:10	1
Hexachlorobutadiene	ND	F2	270	30	ug/Kg	☼	06/05/17 09:24	06/07/17 16:10	1
Hexachlorocyclopentadiene	ND	F1	1800	43	ug/Kg	☼	06/05/17 09:24	06/07/17 16:10	1
Hexachloroethane	ND	F1	270	48	ug/Kg	☼	06/05/17 09:24	06/07/17 16:10	1
Indeno[1,2,3-cd]pyrene	ND		36	1.9	ug/Kg	☼	06/05/17 09:24	06/07/17 16:10	1
Isophorone	ND	F2	270	70	ug/Kg	☼	06/05/17 09:24	06/07/17 16:10	1
2-Methylnaphthalene	ND	F2	36	2.7	ug/Kg	☼	06/05/17 09:24	06/07/17 16:10	1
2-Methylphenol	ND	F2	1100	59	ug/Kg	☼	06/05/17 09:24	06/07/17 16:10	1
3 & 4 Methylphenol	ND	F2	2100	110	ug/Kg	☼	06/05/17 09:24	06/07/17 16:10	1

Client Sample ID: SAMPLE SS11 - GRID C75

Date Collected: 06/01/17 18:50
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-13

Matrix: Solid
Percent Solids: 18.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND	F2	36	4.4	ug/Kg	☼	06/05/17 09:24	06/07/17 16:10	1
2-Nitroaniline	ND	F2	1100	49	ug/Kg	☼	06/05/17 09:24	06/07/17 16:10	1
3-Nitroaniline	ND		1100	86	ug/Kg	☼	06/05/17 09:24	06/07/17 16:10	1
4-Nitroaniline	ND		1100	140	ug/Kg	☼	06/05/17 09:24	06/07/17 16:10	1
Nitrobenzene	ND	F2	540	12	ug/Kg	☼	06/05/17 09:24	06/07/17 16:10	1
2-Nitrophenol	ND	F2	270	44	ug/Kg	☼	06/05/17 09:24	06/07/17 16:10	1
4-Nitrophenol	ND	F2	1800	91	ug/Kg	☼	06/05/17 09:24	06/07/17 16:10	1
N-Nitrosodi-n-propylamine	ND	F2	270	34	ug/Kg	☼	06/05/17 09:24	06/07/17 16:10	1
N-Nitrosodiphenylamine	ND	F2	270	110	ug/Kg	☼	06/05/17 09:24	06/07/17 16:10	1
Pentachlorophenol	ND		800	49	ug/Kg	☼	06/05/17 09:24	06/07/17 16:10	1
Phenanthrene	ND		36	3.9	ug/Kg	☼	06/05/17 09:24	06/07/17 16:10	1
Phenol	**61**	**J**	270	39	ug/Kg	☼	06/05/17 09:24	06/07/17 16:10	1
Pyrene	**45**		36	2.4	ug/Kg	☼	06/05/17 09:24	06/07/17 16:10	1
2,4,5-Trichlorophenol	ND	F2	800	130	ug/Kg	☼	06/05/17 09:24	06/07/17 16:10	1
2,4,6-Trichlorophenol	ND		800	48	ug/Kg	☼	06/05/17 09:24	06/07/17 16:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*65*		*32 - 120*	*06/05/17 09:24*	*06/07/17 16:10*	*1*
2-Fluorophenol (Surr)	*60*		*29 - 120*	*06/05/17 09:24*	*06/07/17 16:10*	*1*
Nitrobenzene-d5 (Surr)	*58*		*30 - 120*	*06/05/17 09:24*	*06/07/17 16:10*	*1*
Phenol-d5 (Surr)	*63*		*29 - 120*	*06/05/17 09:24*	*06/07/17 16:10*	*1*
Terphenyl-d14 (Surr)	*70*		*41 - 120*	*06/05/17 09:24*	*06/07/17 16:10*	*1*
2,4,6-Tribromophenol (Surr)	*77*		*10 - 120*	*06/05/17 09:24*	*06/07/17 16:10*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) - RE

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C20	**200**	**J**	270	80	mg/Kg	☼	06/09/17 10:51	06/14/17 23:10	1
C20-C34	**770**		270	80	mg/Kg	☼	06/09/17 10:51	06/14/17 23:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*2*	*X*	*40 - 160*	*06/09/17 10:51*	*06/14/17 23:10*	*1*

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		140	64	ug/Kg	☼	06/06/17 09:50	06/12/17 18:07	5
alpha-BHC	ND		140	43	ug/Kg	☼	06/06/17 09:50	06/12/17 18:07	5
alpha-Chlordane	ND		140	100	ug/Kg	☼	06/06/17 09:50	06/12/17 18:07	5
beta-BHC	ND		140	100	ug/Kg	☼	06/06/17 09:50	06/12/17 18:07	5
4,4'-DDD	ND		140	88	ug/Kg	☼	06/06/17 09:50	06/12/17 18:07	5
4,4'-DDE	ND		140	32	ug/Kg	☼	06/06/17 09:50	06/12/17 18:07	5
4,4'-DDT	ND		140	37	ug/Kg	☼	06/06/17 09:50	06/12/17 18:07	5
delta-BHC	ND		140	35	ug/Kg	☼	06/06/17 09:50	06/12/17 18:07	5
Dieldrin	ND		140	24	ug/Kg	☼	06/06/17 09:50	06/12/17 18:07	5
Endosulfan I	ND		140	35	ug/Kg	☼	06/06/17 09:50	06/12/17 18:07	5
Endosulfan II	ND		140	48	ug/Kg	☼	06/06/17 09:50	06/12/17 18:07	5
Endosulfan sulfate	ND		140	32	ug/Kg	☼	06/06/17 09:50	06/12/17 18:07	5
Endrin	ND		140	37	ug/Kg	☼	06/06/17 09:50	06/12/17 18:07	5
Endrin aldehyde	ND		540	190	ug/Kg	☼	06/06/17 09:50	06/12/17 23:12	20
Endrin ketone	ND		140	29	ug/Kg	☼	06/06/17 09:50	06/12/17 18:07	5
gamma-BHC (Lindane)	ND		140	77	ug/Kg	☼	06/06/17 09:50	06/12/17 18:07	5

Client Sample ID: SAMPLE SS11 - GRID C75

Date Collected: 06/01/17 18:50
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-13

Matrix: Solid
Percent Solids: 18.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-Chlordane	ND		140	40	ug/Kg	☼	06/06/17 09:50	06/12/17 18:07	5
Heptachlor	ND		140	21	ug/Kg	☼	06/06/17 09:50	06/12/17 18:07	5
Heptachlor epoxide	ND		140	64	ug/Kg	☼	06/06/17 09:50	06/12/17 18:07	5
Methoxychlor	ND		260	32	ug/Kg	☼	06/06/17 09:50	06/12/17 18:07	5
Toxaphene	ND		2700	980	ug/Kg	☼	06/06/17 09:50	06/12/17 18:07	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*1061*	*X*	*13 - 135*	*06/06/17 09:50*	*06/12/17 18:07*	*5*
DCB Decachlorobiphenyl	*118*	*p*	*13 - 135*	*06/06/17 09:50*	*06/12/17 18:07*	*5*
DCB Decachlorobiphenyl	*573*	*X*	*13 - 135*	*06/06/17 09:50*	*06/12/17 23:12*	*20*
DCB Decachlorobiphenyl	*75*	*p*	*13 - 135*	*06/06/17 09:50*	*06/12/17 23:12*	*20*
Tetrachloro-m-xylene	*130*	*X*	*30 - 120*	*06/06/17 09:50*	*06/12/17 18:07*	*5*
Tetrachloro-m-xylene	*139*	*X*	*30 - 120*	*06/06/17 09:50*	*06/12/17 18:07*	*5*
Tetrachloro-m-xylene	*71*		*30 - 120*	*06/06/17 09:50*	*06/12/17 23:12*	*20*
Tetrachloro-m-xylene	*80*		*30 - 120*	*06/06/17 09:50*	*06/12/17 23:12*	*20*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		270	130	ug/Kg	☼	06/05/17 08:38	06/07/17 11:36	1
Aroclor-1221	ND		270	120	ug/Kg	☼	06/05/17 08:38	06/07/17 11:36	1
Aroclor-1232	ND		270	86	ug/Kg	☼	06/05/17 08:38	06/07/17 11:36	1
Aroclor-1242	ND		270	110	ug/Kg	☼	06/05/17 08:38	06/07/17 11:36	1
Aroclor-1248	ND		270	91	ug/Kg	☼	06/05/17 08:38	06/07/17 11:36	1
Aroclor-1254	ND		270	75	ug/Kg	☼	06/05/17 08:38	06/07/17 11:36	1
Aroclor-1260	ND		270	97	ug/Kg	☼	06/05/17 08:38	06/07/17 11:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*89*		*14 - 128*	*06/05/17 08:38*	*06/07/17 11:36*	*1*
DCB Decachlorobiphenyl	*84*		*10 - 132*	*06/05/17 08:38*	*06/07/17 11:36*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	ND		1300	160	ug/Kg	☼	06/09/17 08:29	06/13/17 23:56	1
Silvex (2,4,5-TP)	ND		320	32	ug/Kg	☼	06/09/17 08:29	06/13/17 23:56	1
2,4,5-T	ND		320	37	ug/Kg	☼	06/09/17 08:29	06/13/17 23:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*32*		*19 - 120*	*06/09/17 08:29*	*06/13/17 23:56*	*1*
2,4-Dichlorophenylacetic acid	*30*		*19 - 120*	*06/09/17 08:29*	*06/13/17 23:56*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**16000**		110	31	mg/Kg	☼	06/06/17 11:24	06/07/17 20:31	1
Calcium	**22000**		2600	120	mg/Kg	☼	06/06/17 11:24	06/07/17 20:31	1
Iron	**25000**	**B**	53	17	mg/Kg	☼	06/06/17 11:24	06/07/17 20:31	1
Magnesium	**3100**	**B**	2600	28	mg/Kg	☼	06/06/17 11:24	06/07/17 20:31	1
Potassium	**1200**	**J**	2600	33	mg/Kg	☼	06/06/17 11:24	06/07/17 20:31	1
Selenium	ND		2.6	1.8	mg/Kg	☼	06/06/17 11:24	06/07/17 20:31	1
Sodium	**660**	**J**	2600	100	mg/Kg	☼	06/06/17 11:24	06/07/17 20:31	1

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron Ohio

TestAmerica Job ID: 240-80352-1

Client Sample ID: SAMPLE SS11 - GRID C75
Date Collected: 06/01/17 18:50
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-13
Matrix: Solid
Percent Solids: 18.7

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	15		5.3	0.14	mg/Kg	☼	06/06/17 11:24	06/09/17 02:51	2
Barium	180		5.3	1.2	mg/Kg	☼	06/06/17 11:24	06/09/17 02:51	2
Cadmium	0.28	J	1.1	0.020	mg/Kg	☼	06/06/17 11:24	06/09/17 02:51	2
Chromium	23	B	2.1	0.32	mg/Kg	☼	06/06/17 11:24	06/09/17 02:51	2
Copper	31	B	2.1	0.51	mg/Kg	☼	06/06/17 11:24	06/09/17 02:51	2
Lead	41	B	1.1	0.24	mg/Kg	☼	06/06/17 11:24	06/09/17 23:11	2
Manganese	310	B	5.3	0.64	mg/Kg	☼	06/06/17 11:24	06/09/17 02:51	2
Nickel	35		2.1	0.21	mg/Kg	☼	06/06/17 11:24	06/09/17 02:51	2
Strontium	47	B	11	0.13	mg/Kg	☼	06/06/17 11:24	06/09/17 02:51	2
Zinc	150	B	21	2.6	mg/Kg	☼	06/06/17 11:24	06/09/17 02:51	2

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.53	0.095	mg/Kg	☼	06/06/17 16:00	06/07/17 11:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Duplicates	170000		5300	4000	mg/Kg	☼		06/13/17 17:23	1
Percent Solids	18.7		0.1	0.1	%			06/05/17 08:34	1
Percent Moisture	81.3		0.1	0.1	%			06/05/17 08:34	1

Method: D422 - Grain Size

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gravel	0.0				%			06/08/17 19:05	1
Sieve Size 3 inch - Percent Finer	100.0				% Passing			06/08/17 19:05	1
Sand	24.6				%			06/08/17 19:05	1
Sieve Size 2 inch - Percent Finer	100.0				% Passing			06/08/17 19:05	1
Coarse Sand	15.0				%			06/08/17 19:05	1
Sieve Size 1.5 inch - Percent Finer	100.0				% Passing			06/08/17 19:05	1
Medium Sand	5.8				%			06/08/17 19:05	1
Sieve Size 1 inch - Percent Finer	100.0				% Passing			06/08/17 19:05	1
Fine Sand	3.8				%			06/08/17 19:05	1
Sieve Size 0.75 inch - Percent Finer	100.0				% Passing			06/08/17 19:05	1
Sieve Size 0.375 inch - Percent Finer	100.0				% Passing			06/08/17 19:05	1
Silt	28.0				%			06/08/17 19:05	1
Clay	47.4				%			06/08/17 19:05	1
Sieve Size #4 - Percent Finer	100.0				% Passing			06/08/17 19:05	1
Sieve Size #10 - Percent Finer	85.0				% Passing			06/08/17 19:05	1
Sieve Size #20 - Percent Finer	80.6				% Passing			06/08/17 19:05	1
Sieve Size #40 - Percent Finer	79.2				% Passing			06/08/17 19:05	1
Sieve Size #60 - Percent Finer	78.1				% Passing			06/08/17 19:05	1
Sieve Size #80 - Percent Finer	77.4				% Passing			06/08/17 19:05	1
Sieve Size #100 - Percent Finer	76.9				% Passing			06/08/17 19:05	1
Sieve Size #200 - Percent Finer	75.4				% Passing			06/08/17 19:05	1
Hydrometer Reading 1 - Percent Finer	66.6				% Passing			06/08/17 19:05	1
Hydrometer Reading 2 - Percent Finer	62.3				% Passing			06/08/17 19:05	1

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron Ohio

TestAmerica Job ID: 240-80352-1

Client Sample ID: SAMPLE SS11 - GRID C75
Date Collected: 06/01/17 18:50
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-13
Matrix: Solid
Percent Solids: 18.7

Method: D422 - Grain Size (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hydrometer Reading 3 - Percent Finer	55.9				% Passing			06/08/17 19:05	1
Hydrometer Reading 4 - Percent Finer	53.8				% Passing			06/08/17 19:05	1
Hydrometer Reading 5 - Percent Finer	47.4				% Passing			06/08/17 19:05	1
Hydrometer Reading 6 - Percent Finer	31.4				% Passing			06/08/17 19:05	1
Hydrometer Reading 7 - Percent Finer	19.2				% Passing			06/08/17 19:05	1

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron Ohio

TestAmerica Job ID: 240-80352-1

Client Sample ID: SAMPLE SS1 - GRID A50
Date Collected: 06/01/17 09:50
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-14
Matrix: Sediment

Method: 6010C - Metals (ICP) - SEM/AVS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium SEM	0.75		0.13	0.0063	mg/Kg		06/07/17 12:00	06/12/17 14:08	1
Copper SEM	12	F1	0.63	0.084	mg/Kg		06/07/17 12:00	06/12/17 14:08	1
Lead SEM	84		0.25	0.077	mg/Kg		06/07/17 12:00	06/12/17 14:08	1
Nickel SEM	7.2		1.0	0.081	mg/Kg		06/07/17 12:00	06/12/17 14:08	1
Zinc SEM	290		2.5	0.17	mg/Kg		06/07/17 12:00	06/12/17 14:08	1

Method: SEM - Metals, Simultaneously Extracted Metals (SEM) - SEM/AVS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
SEM/AVS Ratio	0.070		0.0010	NaN	NONE			06/14/17 13:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	70.2		0.1	0.1	%			06/06/17 15:57	1

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron Ohio

TestAmerica Job ID: 240-80352-1

Client Sample ID: SAMPLE SS1 - GRID A50
Date Collected: 06/01/17 09:50
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-14
Matrix: Sediment
Percent Solids: 29.8

Method: 7470A - Mercury (CVAA) - SEM/AVS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury SEM	ND		0.017	0.0055	mg/Kg	☼	06/07/17 12:00	06/16/17 11:55	1

General Chemistry - SEM/AVS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acid Volatile Sulfides (AVS)	2400		50	17	mg/Kg	☼	06/07/17 12:00	06/07/17 14:48	1

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron Ohio

TestAmerica Job ID: 240-80352-1

Client Sample ID: SAMPLE SS2 - GRID A27
Date Collected: 06/01/17 10:49
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-15
Matrix: Sediment

Method: 6010C - Metals (ICP) - SEM/AVS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium SEM	0.82		0.12	0.0062	mg/Kg		06/07/17 12:00	06/12/17 14:34	1
Copper SEM	5.6		0.62	0.084	mg/Kg		06/07/17 12:00	06/12/17 14:34	1
Lead SEM	51		0.25	0.076	mg/Kg		06/07/17 12:00	06/12/17 14:34	1
Nickel SEM	4.9		1.0	0.081	mg/Kg		06/07/17 12:00	06/12/17 14:34	1
Zinc SEM	240		2.5	0.17	mg/Kg		06/07/17 12:00	06/12/17 14:34	1

Method: SEM - Metals, Simultaneously Extracted Metals (SEM) - SEM/AVS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
SEM/AVS Ratio	0.049		0.0010	NaN	NONE			06/14/17 13:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	59.5		0.1	0.1	%			06/06/17 15:57	1

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron Ohio

TestAmerica Job ID: 240-80352-1

Client Sample ID: SAMPLE SS2 - GRID A27
Date Collected: 06/01/17 10:49
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-15
Matrix: Sediment
Percent Solids: 40.5

Method: 7470A - Mercury (CVAA) - SEM/AVS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury SEM	ND		0.012	0.0040	mg/Kg	☼	06/07/17 12:00	06/16/17 12:01	1

General Chemistry - SEM/AVS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acid Volatile Sulfides (AVS)	2700		37	12	mg/Kg	☼	06/07/17 12:00	06/07/17 14:50	1

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron Ohio

TestAmerica Job ID: 240-80352-1

Client Sample ID: SAMPLE SS3 - GRID A13
Date Collected: 06/01/17 11:30
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-16
Matrix: Sediment

Method: 6010C - Metals (ICP) - SEM/AVS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium SEM	0.20		0.12	0.0062	mg/Kg		06/07/17 12:00	06/12/17 14:40	1
Copper SEM	2.0		0.62	0.084	mg/Kg		06/07/17 12:00	06/12/17 14:40	1
Lead SEM	15		0.25	0.076	mg/Kg		06/07/17 12:00	06/12/17 14:40	1
Nickel SEM	2.1		1.0	0.081	mg/Kg		06/07/17 12:00	06/12/17 14:40	1
Zinc SEM	78		2.5	0.17	mg/Kg		06/07/17 12:00	06/12/17 14:40	1

Method: SEM - Metals, Simultaneously Extracted Metals (SEM) - SEM/AVS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
SEM/AVS Ratio	0.073		0.0010	NaN	NONE			06/14/17 13:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	73.6		0.1	0.1	%			06/06/17 15:57	1

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron Ohio

TestAmerica Job ID: 240-80352-1

Client Sample ID: SAMPLE SS3 - GRID A13
Date Collected: 06/01/17 11:30
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-16
Matrix: Sediment
Percent Solids: 26.4

Method: 7470A - Mercury (CVAA) - SEM/AVS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury SEM	ND		0.019	0.0062	mg/Kg	☼	06/07/17 12:00	06/16/17 12:03	1

General Chemistry - SEM/AVS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acid Volatile Sulfides (AVS)	580		57	19	mg/Kg	☼	06/07/17 12:00	06/07/17 14:52	1

Client Sample ID: SAMPLE SS4 - GRID D77

Date Collected: 06/01/17 12:10
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-17

Matrix: Sediment

Method: 6010C - Metals (ICP) - SEM/AVS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium SEM	1.4		0.13	0.0063	mg/Kg		06/07/17 12:00	06/12/17 14:55	1
Copper SEM	15		0.63	0.084	mg/Kg		06/07/17 12:00	06/12/17 14:55	1
Lead SEM	93		0.25	0.077	mg/Kg		06/07/17 12:00	06/12/17 14:55	1
Nickel SEM	8.7		1.0	0.081	mg/Kg		06/07/17 12:00	06/12/17 14:55	1
Zinc SEM	760		5.0	0.34	mg/Kg		06/07/17 12:00	06/12/17 15:58	2

Method: SEM - Metals, Simultaneously Extracted Metals (SEM) - SEM/AVS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
SEM/AVS Ratio	0.11		0.0010	NaN	NONE			06/14/17 13:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	57.2		0.1	0.1	%			06/06/17 15:57	1

Client Sample ID: SAMPLE SS4 - GRID D77

Date Collected: 06/01/17 12:10
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-17

Matrix: Sediment
Percent Solids: 42.8

Method: 7470A - Mercury (CVAA) - SEM/AVS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury SEM	ND		0.012	0.0038	mg/Kg	☼	06/07/17 12:00	06/16/17 12:06	1

General Chemistry - SEM/AVS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acid Volatile Sulfides (AVS)	3600		35	12	mg/Kg	☼	06/07/17 12:00	06/07/17 14:55	1

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron Ohio

TestAmerica Job ID: 240-80352-1

Client Sample ID: SAMPLE SS5 - GRID B65
Date Collected: 06/01/17 13:55
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-18
Matrix: Sediment

Method: 6010C - Metals (ICP) - SEM/AVS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium SEM	0.22		0.12	0.0062	mg/Kg		06/07/17 12:00	06/12/17 15:01	1
Copper SEM	1.9		0.62	0.084	mg/Kg		06/07/17 12:00	06/12/17 15:01	1
Lead SEM	73		0.25	0.076	mg/Kg		06/07/17 12:00	06/12/17 15:01	1
Nickel SEM	3.6		1.0	0.081	mg/Kg		06/07/17 12:00	06/12/17 15:01	1
Zinc SEM	210		2.5	0.17	mg/Kg		06/07/17 12:00	06/12/17 15:01	1

Method: SEM - Metals, Simultaneously Extracted Metals (SEM) - SEM/AVS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
SEM/AVS Ratio	0.10		0.0010	NaN	NONE			06/14/17 13:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	70.5		0.1	0.1	%			06/06/17 15:57	1

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron Ohio

TestAmerica Job ID: 240-80352-1

Client Sample ID: SAMPLE SS5 - GRID B65
Date Collected: 06/01/17 13:55
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-18
Matrix: Sediment
Percent Solids: 29.5

Method: 7470A - Mercury (CVAA) - SEM/AVS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury SEM	ND		0.017	0.0055	mg/Kg	☼	06/07/17 12:00	06/16/17 12:08	1

General Chemistry - SEM/AVS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acid Volatile Sulfides (AVS)	1200		51	17	mg/Kg	☼	06/07/17 12:00	06/07/17 14:57	1

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron Ohio

TestAmerica Job ID: 240-80352-1

Client Sample ID: SAMPLE SS6 - GRID B65
Date Collected: 06/01/17 16:35
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-19
Matrix: Sediment

Method: 6010C - Metals (ICP) - SEM/AVS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium SEM	0.044	J	0.12	0.0062	mg/Kg		06/07/17 12:00	06/12/17 15:06	1
Copper SEM	0.34	J	0.62	0.084	mg/Kg		06/07/17 12:00	06/12/17 15:06	1
Lead SEM	15		0.25	0.076	mg/Kg		06/07/17 12:00	06/12/17 15:06	1
Nickel SEM	1.1		1.0	0.081	mg/Kg		06/07/17 12:00	06/12/17 15:06	1
Zinc SEM	15		2.5	0.17	mg/Kg		06/07/17 12:00	06/12/17 15:06	1

Method: SEM - Metals, Simultaneously Extracted Metals (SEM) - SEM/AVS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
SEM/AVS Ratio	0.032		0.0010	NaN	NONE			06/14/17 13:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	87.3		0.1	0.1	%			06/06/17 15:57	1

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron Ohio

TestAmerica Job ID: 240-80352-1

Client Sample ID: SAMPLE SS6 - GRID B65
Date Collected: 06/01/17 16:35
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-19
Matrix: Sediment
Percent Solids: 12.7

Method: 7470A - Mercury (CVAA) - SEM/AVS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury SEM	ND		0.039	0.013	mg/Kg	☼	06/07/17 12:00	06/16/17 12:10	1

General Chemistry - SEM/AVS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acid Volatile Sulfides (AVS)	330		120	39	mg/Kg	☼	06/07/17 12:00	06/07/17 14:59	1

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron Ohio

TestAmerica Job ID: 240-80352-1

Client Sample ID: SAMPLE SS7 - GRID B12

Lab Sample ID: 240-80352-20

Date Collected: 06/01/17 14:55

Matrix: Sediment

Date Received: 06/02/17 12:50

Method: 6010C - Metals (ICP) - SEM/AVS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium SEM	0.11	J	0.12	0.0062	mg/Kg		06/07/17 12:00	06/12/17 15:11	1
Copper SEM	0.29	J	0.62	0.084	mg/Kg		06/07/17 12:00	06/12/17 15:11	1
Lead SEM	8.8		0.50	0.15	mg/Kg		06/07/17 12:00	06/12/17 16:04	2
Nickel SEM	0.90	J	2.0	0.16	mg/Kg		06/07/17 12:00	06/12/17 16:04	2
Zinc SEM	51		2.5	0.17	mg/Kg		06/07/17 12:00	06/12/17 15:11	1

Method: SEM - Metals, Simultaneously Extracted Metals (SEM) - SEM/AVS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
SEM/AVS Ratio	0.039		0.0010	NaN	NONE			06/14/17 13:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	69.1		0.1	0.1	%			06/06/17 15:57	1

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron Ohio

TestAmerica Job ID: 240-80352-1

Client Sample ID: SAMPLE SS7 - GRID B12
Date Collected: 06/01/17 14:55
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-20
Matrix: Sediment
Percent Solids: 30.9

Method: 7470A - Mercury (CVAA) - SEM/AVS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury SEM	ND		0.016	0.0053	mg/Kg	☼	06/07/17 12:00	06/16/17 12:12	1

General Chemistry - SEM/AVS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acid Volatile Sulfides (AVS)	690		48	16	mg/Kg	☼	06/07/17 12:00	06/07/17 15:01	1

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron Ohio

TestAmerica Job ID: 240-80352-1

Client Sample ID: SAMPLE SS8 - GRID B5
Date Collected: 06/01/17 15:30
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-21
Matrix: Sediment

Method: 6010C - Metals (ICP) - SEM/AVS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium SEM	0.13		0.13	0.0063	mg/Kg		06/07/17 12:00	06/12/17 15:16	1
Copper SEM	6.1		0.63	0.084	mg/Kg		06/07/17 12:00	06/12/17 15:16	1
Lead SEM	15		0.25	0.077	mg/Kg		06/07/17 12:00	06/12/17 15:16	1
Nickel SEM	3.7		1.0	0.081	mg/Kg		06/07/17 12:00	06/12/17 15:16	1
Zinc SEM	53		2.5	0.17	mg/Kg		06/07/17 12:00	06/12/17 15:16	1

Method: SEM - Metals, Simultaneously Extracted Metals (SEM) - SEM/AVS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
SEM/AVS Ratio	0.11		0.0010	NaN	NONE			06/14/17 13:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	38.4		0.1	0.1	%			06/06/17 15:57	1

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron Ohio

TestAmerica Job ID: 240-80352-1

Client Sample ID: SAMPLE SS8 - GRID B5
Date Collected: 06/01/17 15:30
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-21
Matrix: Sediment
Percent Solids: 61.6

Method: 7470A - Mercury (CVAA) - SEM/AVS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury SEM	ND		0.0081	0.0027	mg/Kg	☼	06/07/17 12:00	06/16/17 12:18	1

General Chemistry - SEM/AVS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acid Volatile Sulfides (AVS)	310		24	8.1	mg/Kg	☼	06/07/17 12:00	06/07/17 15:03	1

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron Ohio

TestAmerica Job ID: 240-80352-1

Client Sample ID: SAMPLE SS9 - GRID C17
Date Collected: 06/01/17 17:20
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-22
Matrix: Sediment

Method: 6010C - Metals (ICP) - SEM/AVS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium SEM	0.38		0.12	0.0062	mg/Kg		06/07/17 12:00	06/12/17 15:22	1
Copper SEM	4.6		0.62	0.084	mg/Kg		06/07/17 12:00	06/12/17 15:22	1
Lead SEM	69		0.25	0.076	mg/Kg		06/07/17 12:00	06/12/17 15:22	1
Nickel SEM	3.0		1.0	0.080	mg/Kg		06/07/17 12:00	06/12/17 15:22	1
Zinc SEM	180		2.5	0.17	mg/Kg		06/07/17 12:00	06/12/17 15:22	1

Method: SEM - Metals, Simultaneously Extracted Metals (SEM) - SEM/AVS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
SEM/AVS Ratio	0.055		0.0010	NaN	NONE			06/14/17 13:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	78.6		0.1	0.1	%			06/06/17 15:57	1

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron Ohio

TestAmerica Job ID: 240-80352-1

Client Sample ID: SAMPLE SS9 - GRID C17
Date Collected: 06/01/17 17:20
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-22
Matrix: Sediment
Percent Solids: 21.4

Method: 7470A - Mercury (CVAA) - SEM/AVS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury SEM	ND		0.023	0.0076	mg/Kg	☼	06/07/17 12:00	06/16/17 12:20	1

General Chemistry - SEM/AVS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acid Volatile Sulfides (AVS)	1800		70	23	mg/Kg	☼	06/07/17 12:00	06/07/17 15:10	1

Client Sample ID: SAMPLE SS10 - GRID C52

Lab Sample ID: 240-80352-23

Date Collected: 06/01/17 18:00

Matrix: Sediment

Date Received: 06/02/17 12:50

Method: 6010C - Metals (ICP) - SEM/AVS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium SEM	0.035	J	0.12	0.0062	mg/Kg		06/07/17 12:00	06/12/17 15:27	1
Copper SEM	0.10	J	0.62	0.084	mg/Kg		06/07/17 12:00	06/12/17 15:27	1
Lead SEM	0.59		0.25	0.076	mg/Kg		06/07/17 12:00	06/12/17 15:27	1
Nickel SEM	0.41	J	1.0	0.081	mg/Kg		06/07/17 12:00	06/12/17 15:27	1
Zinc SEM	3.6		2.5	0.17	mg/Kg		06/07/17 12:00	06/12/17 15:27	1

Method: SEM - Metals, Simultaneously Extracted Metals (SEM) - SEM/AVS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
SEM/AVS Ratio	0.030		0.0010	NaN	NONE			06/14/17 13:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	91.3		0.1	0.1	%			06/06/17 15:57	1

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron Ohio

TestAmerica Job ID: 240-80352-1

Client Sample ID: SAMPLE SS10 - GRID C52
Date Collected: 06/01/17 18:00
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-23
Matrix: Sediment
Percent Solids: 8.7

Method: 7470A - Mercury (CVAA) - SEM/AVS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury SEM	ND		0.057	0.019	mg/Kg	☼	06/07/17 12:00	06/16/17 12:22	1

General Chemistry - SEM/AVS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acid Volatile Sulfides (AVS)	71	J	170	57	mg/Kg	☼	06/07/17 12:00	06/07/17 15:12	1

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron Ohio

TestAmerica Job ID: 240-80352-1

Client Sample ID: SAMPLE SS10DUP - GRID C52
Date Collected: 06/01/17 18:00
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-24
Matrix: Sediment

Method: 6010C - Metals (ICP) - SEM/AVS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium SEM	0.032	J	0.13	0.0063	mg/Kg		06/07/17 12:00	06/12/17 15:32	1
Copper SEM	0.36	J	0.63	0.084	mg/Kg		06/07/17 12:00	06/12/17 15:32	1
Lead SEM	0.79		0.25	0.077	mg/Kg		06/07/17 12:00	06/12/17 15:32	1
Nickel SEM	0.39	J	1.0	0.081	mg/Kg		06/07/17 12:00	06/12/17 15:32	1
Zinc SEM	4.6		2.5	0.17	mg/Kg		06/07/17 12:00	06/12/17 15:32	1

Method: SEM - Metals, Simultaneously Extracted Metals (SEM) - SEM/AVS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
SEM/AVS Ratio	0.013		0.0010	NaN	NONE			06/14/17 13:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	91.4		0.1	0.1	%			06/06/17 15:57	1

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron Ohio

TestAmerica Job ID: 240-80352-1

Client Sample ID: SAMPLE SS10DUP - GRID C52
Date Collected: 06/01/17 18:00
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-24
Matrix: Sediment
Percent Solids: 8.6

Method: 7470A - Mercury (CVAA) - SEM/AVS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury SEM	ND		0.058	0.019	mg/Kg	☼	06/07/17 12:00	06/16/17 12:24	1

General Chemistry - SEM/AVS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acid Volatile Sulfides (AVS)	210		180	58	mg/Kg	☼	06/07/17 12:00	06/07/17 15:14	1

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron Ohio

TestAmerica Job ID: 240-80352-1

Client Sample ID: SAMPLE SS11 - GRID C75
Date Collected: 06/01/17 18:50
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-25
Matrix: Sediment

Method: 6010C - Metals (ICP) - SEM/AVS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium SEM	0.060	J	0.13	0.0063	mg/Kg		06/07/17 12:00	06/12/17 15:38	1
Copper SEM	1.9		0.63	0.084	mg/Kg		06/07/17 12:00	06/12/17 15:38	1
Lead SEM	7.5		0.25	0.077	mg/Kg		06/07/17 12:00	06/12/17 15:38	1
Nickel SEM	2.9		1.0	0.081	mg/Kg		06/07/17 12:00	06/12/17 15:38	1
Zinc SEM	26		2.5	0.17	mg/Kg		06/07/17 12:00	06/12/17 15:38	1

Method: SEM - Metals, Simultaneously Extracted Metals (SEM) - SEM/AVS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
SEM/AVS Ratio	0.034		0.0010	NaN	NONE			06/14/17 13:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	80.7		0.1	0.1	%			06/06/17 15:57	1

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron Ohio

TestAmerica Job ID: 240-80352-1

Client Sample ID: SAMPLE SS11 - GRID C75
Date Collected: 06/01/17 18:50
Date Received: 06/02/17 12:50

Lab Sample ID: 240-80352-25
Matrix: Sediment
Percent Solids: 19.3

Method: 7470A - Mercury (CVAA) - SEM/AVS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury SEM	ND		0.026	0.0085	mg/Kg	☼	06/07/17 12:00	06/16/17 12:26	1

General Chemistry - SEM/AVS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acid Volatile Sulfides (AVS)	500		78	26	mg/Kg	☼	06/07/17 12:00	06/07/17 15:16	1

Surrogate Summary

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron Ohio

TestAmerica Job ID: 240-80352-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	12DCE (61-127)	12DCE (61-127)	12DCE (61-127)	12DCE (61-127)	BFB (61-132)	BFB (61-132)	BFB (61-132)	BFB (61-132)
240-80352-2	SAMPLE SS1 - GRID A50	81	81	81	81	127	127	127	127
240-80352-2MS	SAMPLE SS1 - GRID A50	72	72	72	72	136 X *	136 X *	136 X *	136 X *
240-80352-2MSD	SAMPLE SS1 - GRID A50	78	78	78	78	131	131	131	131
240-80352-3	SAMPLE SS2 - GRID A27	82	82	82	82	177 X *	177 X *	177 X *	177 X *
240-80352-3	SAMPLE SS2 - GRID A27	76	76	76	76	143 X	143 X	143 X	143 X
240-80352-3	SAMPLE SS2 - GRID A27	73	73	73	73	57 X	57 X	57 X	57 X
240-80352-3 MS	SAMPLE SS2 - GRID A27	73	73	73	73	60 X	60 X	60 X	60 X
240-80352-3 MSD	SAMPLE SS2 - GRID A27	72	72	72	72	59 X	59 X	59 X	59 X
240-80352-4	SAMPLE SS3 - GRID A13	75	75	75	75	114	114	114	114
240-80352-5	SAMPLE SS4 - GRID D77	76	76	76	76	158 X *	158 X *	158 X *	158 X *
240-80352-5	SAMPLE SS4 - GRID D77	76	76	76	76	49 X	49 X	49 X	49 X
240-80352-6	SAMPLE SS5 - GRID B65	77	77	77	77	127	127	127	127
240-80352-7	SAMPLE SS6 - GRID B65	80	80	80	80	111	111	111	111
240-80352-8	SAMPLE SS7 - GRID B12	71	71	71	71	118	118	118	118
240-80352-9	SAMPLE SS8 - GRID B5	73	73	73	73	104	104	104	104
240-80352-10	SAMPLE SS9 - GRID C17	72	72	72	72	168 X *	168 X *	168 X *	168 X *
240-80352-10	SAMPLE SS9 - GRID C17	76	76	76	76	109	109	109	109
240-80352-11	SAMPLE SS10 - GRID C52	79	79	79	79	108	108	108	108
240-80352-11	SAMPLE SS10 - GRID C52	85	85	85	85	128 *	128 *	128 *	128 *
240-80352-11 MS	SAMPLE SS10 - GRID C52	81	81	81	81	120	120	120	120
240-80352-11 MSD	SAMPLE SS10 - GRID C52	82	82	82	82	140 X *	140 X *	140 X *	140 X *
240-80352-13	SAMPLE SS11 - GRID C75	80	80	80	80	108	108	108	108
LCS 240-281652/2-A	Lab Control Sample	88	88	88	88	114	114	114	114
LCS 240-281810/5	Lab Control Sample	80	80	80	80	103	103	103	103
LCS 240-281989/5	Lab Control Sample	77	77	77	77	102	102	102	102
MB 240-281652/1-A	Method Blank	92	92	92	92	117	117	117	117
MB 240-281810/6	Method Blank	82	82	82	82	103	103	103	103
MB 240-281989/6	Method Blank	78	78	78	78	100	100	100	100
MB 240-282021/1-A	Method Blank	79	79	79	79	98	98	98	98

		Percent Surrogate Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	TOL (66-125)	TOL (66-125)	TOL (66-125)	TOL (66-125)	DBFM (43-131)	DBFM (43-131)	DBFM (43-131)	DBFM (43-131)
240-80352-2	SAMPLE SS1 - GRID A50	84	84	84	84	87	87	87	87
240-80352-2MS	SAMPLE SS1 - GRID A50	90	90	90	90	87	87	87	87
240-80352-2MSD	SAMPLE SS1 - GRID A50	86	86	86	86	90	90	90	90
240-80352-3	SAMPLE SS2 - GRID A27	91	91	91	91	87	87	87	87
240-80352-3	SAMPLE SS2 - GRID A27	84	84	84	84	81	81	81	81
240-80352-3	SAMPLE SS2 - GRID A27	46 X	46 X	46 X	46 X	68	68	68	68
240-80352-3 MS	SAMPLE SS2 - GRID A27	47 X	47 X	47 X	47 X	76	76	76	76
240-80352-3 MSD	SAMPLE SS2 - GRID A27	46 X	46 X	46 X	46 X	72	72	72	72
240-80352-4	SAMPLE SS3 - GRID A13	84	84	84	84	80	80	80	80
240-80352-5	SAMPLE SS4 - GRID D77	92	92	92	92	83	83	83	83
240-80352-5	SAMPLE SS4 - GRID D77	41 X	41 X	41 X	41 X	72	72	72	72
240-80352-6	SAMPLE SS5 - GRID B65	90	90	90	90	85	85	85	85
240-80352-7	SAMPLE SS6 - GRID B65	81	81	81	81	83	83	83	83
240-80352-8	SAMPLE SS7 - GRID B12	83	83	83	83	79	79	79	79
240-80352-9	SAMPLE SS8 - GRID B5	79	79	79	79	82	82	82	82
240-80352-10	SAMPLE SS9 - GRID C17	100	100	100	100	81	81	81	81
240-80352-10	SAMPLE SS9 - GRID C17	79	79	79	79	83	83	83	83

Surrogate Summary

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron Ohio

TestAmerica Job ID: 240-80352-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	TOL (66-125)	TOL (66-125)	TOL (66-125)	TOL (66-125)	DBFM (43-131)	DBFM (43-131)	DBFM (43-131)	DBFM (43-131)
240-80352-11	SAMPLE SS10 - GRID C52	80	80	80	80	85	85	85	85
240-80352-11	SAMPLE SS10 - GRID C52	90	90	90	90	86	86	86	86
240-80352-11 MS	SAMPLE SS10 - GRID C52	82	82	82	82	85	85	85	85
240-80352-11 MSD	SAMPLE SS10 - GRID C52	91	91	91	91	89	89	89	89
240-80352-13	SAMPLE SS11 - GRID C75	78	78	78	78	79	79	79	79
LCS 240-281652/2-A	Lab Control Sample	80	80	80	80	91	91	91	91
LCS 240-281810/5	Lab Control Sample	82	82	82	82	90	90	90	90
LCS 240-281989/5	Lab Control Sample	78	78	78	78	86	86	86	86
MB 240-281652/1-A	Method Blank	83	83	83	83	89	89	89	89
MB 240-281810/6	Method Blank	79	79	79	79	89	89	89	89
MB 240-281989/6	Method Blank	75	75	75	75	84	84	84	84
MB 240-282021/1-A	Method Blank	75	75	75	75	86	86	86	86

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	12DCE (61-138)	BFB (69-120)	TOL (73-120)	DBFM (69-124)				
240-80352-1	TRIP BLANK	124	88	97	120				
LCS 240-283237/4	Lab Control Sample	118	106	108	112				
MB 240-283237/6	Method Blank	125	91	99	117				

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	FBP (32-120)	2FP (29-120)	NBZ (30-120)	PHL (29-120)	TPH (41-120)	TBP (10-120)		
240-80352-2	SAMPLE SS1 - GRID A50	76	73	68	79	78	94		
240-80352-2 DU	SAMPLE SS1 - GRID A50	85	83	77	87	90	98		
240-80352-2MS	SAMPLE SS1 - GRID A50	85	77	77	82	96	103		
240-80352-2MSD	SAMPLE SS1 - GRID A50	76	78	71	83	84	99		
240-80352-3	SAMPLE SS2 - GRID A27	93	92	88	90	90	96		
240-80352-4	SAMPLE SS3 - GRID A13	71	68	68	72	75	96		
240-80352-5	SAMPLE SS4 - GRID D77	76	72	71	70	86	57		
240-80352-6	SAMPLE SS5 - GRID B65	67	62	61	66	74	94		
240-80352-7	SAMPLE SS6 - GRID B65	68	62	61	65	74	95		

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

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

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	FBP (32-120)	2FP (29-120)	NBZ (30-120)	PHL (29-120)	TPH (41-120)	TBP (10-120)
240-80352-8	SAMPLE SS7 - GRID B12	61	58	57	60	69	83
240-80352-9	SAMPLE SS8 - GRID B5	57	55	53	58	62	77
240-80352-10	SAMPLE SS9 - GRID C17	76	68	68	72	78	83
240-80352-11	SAMPLE SS10 - GRID C52	74	66	66	72	82	83
240-80352-13	SAMPLE SS11 - GRID C75	65	60	58	63	70	77
240-80352-13 MS	SAMPLE SS11 - GRID C75	49	46	46	49	59	75
240-80352-13 MSD	SAMPLE SS11 - GRID C75	70	70	69	72	80	96
LCS 240-281609/24-A	Lab Control Sample	60	59	63	60	70	48
LCS 240-281795/19-A	Lab Control Sample	79	77	82	77	92	79
MB 240-281609/23-A	Method Blank	58	52	54	56	64	38
MB 240-281795/18-A	Method Blank	66	57	63	62	74	38

Surrogate Legend

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

Method: 8015B - Diesel Range Organics (DRO) (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	OTPH1 (40-160)
240-80352-2	SAMPLE SS1 - GRID A50	63
240-80352-2MS	SAMPLE SS1 - GRID A50	26 X
240-80352-2MSD	SAMPLE SS1 - GRID A50	48
240-80352-3	SAMPLE SS2 - GRID A27	74
240-80352-4	SAMPLE SS3 - GRID A13	54
240-80352-5	SAMPLE SS4 - GRID D77	76
240-80352-6	SAMPLE SS5 - GRID B65	30 X
240-80352-7	SAMPLE SS6 - GRID B65	57
240-80352-8	SAMPLE SS7 - GRID B12	54
240-80352-9	SAMPLE SS8 - GRID B5	46
240-80352-10	SAMPLE SS9 - GRID C17	42
240-80352-11	SAMPLE SS10 - GRID C52	52
240-80352-13 - RE	SAMPLE SS11 - GRID C75	2 X
LCS 240-282410/23-A	Lab Control Sample	96
MB 240-282410/22-A	Method Blank	102

Surrogate Legend

OTPH = o-Terphenyl (Surr)

Method: 8081A - Organochlorine Pesticides (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DCB1	DCB2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(13-135)	(13-135)	(30-120)	(30-120)
240-80352-2	SAMPLE SS1 - GRID A50	108	159 X	77	81
240-80352-2	SAMPLE SS1 - GRID A50	125	358 X	116	77
240-80352-2 DU	SAMPLE SS1 - GRID A50	108		71 p	
240-80352-2MS	SAMPLE SS1 - GRID A50	211 X	235 X	98	123 X
240-80352-2MS	SAMPLE SS1 - GRID A50	152 X	205 X	156 X	145 X
240-80352-2MSD	SAMPLE SS1 - GRID A50	210 X	217 X	91	117
240-80352-2MSD	SAMPLE SS1 - GRID A50	112	148 X	116	64
240-80352-3	SAMPLE SS2 - GRID A27	72 p	207 X	275 X	113 p
240-80352-3	SAMPLE SS2 - GRID A27	187 X	197 X	83	120
240-80352-4	SAMPLE SS3 - GRID A13	43	59	76	56
240-80352-5	SAMPLE SS4 - GRID D77	599 X	84 p	174 X	58 p
240-80352-5	SAMPLE SS4 - GRID D77	1265 X	142 p X	101	117
240-80352-6	SAMPLE SS5 - GRID B65	84	101	93	104
240-80352-6	SAMPLE SS5 - GRID B65	78	72	80	53
240-80352-7	SAMPLE SS6 - GRID B65	71	87	101	114
240-80352-7	SAMPLE SS6 - GRID B65	80	84	92	92
240-80352-8	SAMPLE SS7 - GRID B12	69 p	193 X	85	84
240-80352-9	SAMPLE SS8 - GRID B5	73	107	93	119
240-80352-9	SAMPLE SS8 - GRID B5	76	135	75	65
240-80352-10	SAMPLE SS9 - GRID C17	121	142 X	85	127 X
240-80352-10	SAMPLE SS9 - GRID C17	102	101	96	117
240-80352-11	SAMPLE SS10 - GRID C52	148 X	178 X	120	172 X
240-80352-11	SAMPLE SS10 - GRID C52	59	70	198 X	54
240-80352-13	SAMPLE SS11 - GRID C75	573 X	75 p	71	80
240-80352-13	SAMPLE SS11 - GRID C75	1061 X	118 p	130 X	139 X
LCS 240-281803/16-A	Lab Control Sample	88	77	75	72
MB 240-281803/15-A	Method Blank	63	72	61	56

Surrogate Legend

DCB = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
		TCX2	DCB2
Lab Sample ID	Client Sample ID	(14-128)	(10-132)
240-80352-2	SAMPLE SS1 - GRID A50	80	90
240-80352-2MS	SAMPLE SS1 - GRID A50	91	104
240-80352-2MSD	SAMPLE SS1 - GRID A50	85	83
240-80352-3	SAMPLE SS2 - GRID A27	91	136 X
240-80352-4	SAMPLE SS3 - GRID A13	77	78
240-80352-5	SAMPLE SS4 - GRID D77	86	194 p X
240-80352-6	SAMPLE SS5 - GRID B65	81	79
240-80352-7	SAMPLE SS6 - GRID B65	89	80
240-80352-8	SAMPLE SS7 - GRID B12	96	81
240-80352-9	SAMPLE SS8 - GRID B5	92	89
240-80352-10	SAMPLE SS9 - GRID C17	84	121

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
		TCX2	DCB2
Lab Sample ID	Client Sample ID	(14-128)	(10-132)
240-80352-11	SAMPLE SS10 - GRID C52	83	97
240-80352-13	SAMPLE SS11 - GRID C75	89	84
LCS 240-281595/23-A	Lab Control Sample	94	105
LCS 240-281799/7-A	Lab Control Sample	68	65
MB 240-281595/22-A	Method Blank	74	70
MB 240-281799/6-A	Method Blank	68	80

Surrogate Legend

TCX = Tetrachloro-m-xylene

DCB = DCB Decachlorobiphenyl

Method: 8151A - Herbicides (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		DCPA1	DCPA2
Lab Sample ID	Client Sample ID	(19-120)	(19-120)
240-80352-2	SAMPLE SS1 - GRID A50	28	28
240-80352-2MS	SAMPLE SS1 - GRID A50	41	43
240-80352-2MSD	SAMPLE SS1 - GRID A50	43	44
240-80352-3	SAMPLE SS2 - GRID A27	35	35
240-80352-4	SAMPLE SS3 - GRID A13	37	37
240-80352-5	SAMPLE SS4 - GRID D77	43	42
240-80352-6	SAMPLE SS5 - GRID B65	36	35
240-80352-7	SAMPLE SS6 - GRID B65	38	36
240-80352-8	SAMPLE SS7 - GRID B12	33	31
240-80352-9	SAMPLE SS8 - GRID B5	36	35
240-80352-10	SAMPLE SS9 - GRID C17	36	35
240-80352-11	SAMPLE SS10 - GRID C52	34	32
240-80352-13	SAMPLE SS11 - GRID C75	32	30
LCS 240-282372/17-A	Lab Control Sample	46	47
MB 240-282372/16-A	Method Blank	37	36

Surrogate Legend

DCPA = 2,4-Dichlorophenylacetic acid

Method: 8260B -

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

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(61-127)	(61-132)	(66-125)	(43-131)
240-80352-11 MSD	SAMPLE SS10 - GRID C52	82	140 * X	91	89

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

DBFM = Dibromofluoromethane (Surr)

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

Lab Sample ID: MB 240-281652/1-A
Matrix: Solid
Analysis Batch: 281989

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 281652

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		250	12	ug/Kg		06/05/17 11:17	06/07/17 16:20	1
1,1,2,2-Tetrachloroethane	ND		250	13	ug/Kg		06/05/17 11:17	06/07/17 16:20	1
1,1,2-Trichloroethane	ND		250	20	ug/Kg		06/05/17 11:17	06/07/17 16:20	1
1,1-Dichloroethane	ND		250	17	ug/Kg		06/05/17 11:17	06/07/17 16:20	1
1,1-Dichloroethene	ND		250	27	ug/Kg		06/05/17 11:17	06/07/17 16:20	1
1,2,4-Trichlorobenzene	ND		250	12	ug/Kg		06/05/17 11:17	06/07/17 16:20	1
1,2-Dibromo-3-Chloropropane	ND		500	34	ug/Kg		06/05/17 11:17	06/07/17 16:20	1
1,2-Dichlorobenzene	ND		250	11	ug/Kg		06/05/17 11:17	06/07/17 16:20	1
1,2-Dichloroethane	ND		250	15	ug/Kg		06/05/17 11:17	06/07/17 16:20	1
1,2-Dichloropropane	ND		250	16	ug/Kg		06/05/17 11:17	06/07/17 16:20	1
1,3-Dichlorobenzene	ND		250	15	ug/Kg		06/05/17 11:17	06/07/17 16:20	1
1,4-Dichlorobenzene	ND		250	18	ug/Kg		06/05/17 11:17	06/07/17 16:20	1
2-Hexanone	ND		1000	29	ug/Kg		06/05/17 11:17	06/07/17 16:20	1
Acetone	ND		1000	150	ug/Kg		06/05/17 11:17	06/07/17 16:20	1
Benzene	ND		250	16	ug/Kg		06/05/17 11:17	06/07/17 16:20	1
Bromoform	ND		250	20	ug/Kg		06/05/17 11:17	06/07/17 16:20	1
Bromomethane	ND		500	30	ug/Kg		06/05/17 11:17	06/07/17 16:20	1
Carbon disulfide	ND		250	11	ug/Kg		06/05/17 11:17	06/07/17 16:20	1
Carbon tetrachloride	ND		250	13	ug/Kg		06/05/17 11:17	06/07/17 16:20	1
Chlorobenzene	ND		250	17	ug/Kg		06/05/17 11:17	06/07/17 16:20	1
Chloroethane	ND		500	19	ug/Kg		06/05/17 11:17	06/07/17 16:20	1
Chloroform	ND		250	12	ug/Kg		06/05/17 11:17	06/07/17 16:20	1
Chloromethane	ND		500	19	ug/Kg		06/05/17 11:17	06/07/17 16:20	1
cis-1,2-Dichloroethene	ND		130	14	ug/Kg		06/05/17 11:17	06/07/17 16:20	1
cis-1,3-Dichloropropene	ND		250	13	ug/Kg		06/05/17 11:17	06/07/17 16:20	1
Dichlorobromomethane	ND		250	17	ug/Kg		06/05/17 11:17	06/07/17 16:20	1
Dichlorodifluoromethane	ND		500	18	ug/Kg		06/05/17 11:17	06/07/17 16:20	1
Ethylbenzene	ND		250	14	ug/Kg		06/05/17 11:17	06/07/17 16:20	1
Ethylene Dibromide	ND		250	18	ug/Kg		06/05/17 11:17	06/07/17 16:20	1
Isopropylbenzene	ND		250	10	ug/Kg		06/05/17 11:17	06/07/17 16:20	1
2-Butanone (MEK)	ND		1000	64	ug/Kg		06/05/17 11:17	06/07/17 16:20	1
4-Methyl-2-pentanone (MIBK)	ND		1000	45	ug/Kg		06/05/17 11:17	06/07/17 16:20	1
Methyl tert-butyl ether	ND		250	14	ug/Kg		06/05/17 11:17	06/07/17 16:20	1
Methylene Chloride	125	J	250	12	ug/Kg		06/05/17 11:17	06/07/17 16:20	1
Styrene	ND		250	14	ug/Kg		06/05/17 11:17	06/07/17 16:20	1
Tetrachloroethene	ND		250	19	ug/Kg		06/05/17 11:17	06/07/17 16:20	1
Toluene	ND		250	17	ug/Kg		06/05/17 11:17	06/07/17 16:20	1
trans-1,2-Dichloroethene	ND		130	19	ug/Kg		06/05/17 11:17	06/07/17 16:20	1
trans-1,3-Dichloropropene	ND		250	11	ug/Kg		06/05/17 11:17	06/07/17 16:20	1
Trichloroethene	ND		250	21	ug/Kg		06/05/17 11:17	06/07/17 16:20	1
Trichlorofluoromethane	ND		500	12	ug/Kg		06/05/17 11:17	06/07/17 16:20	1
Vinyl chloride	ND		500	14	ug/Kg		06/05/17 11:17	06/07/17 16:20	1
Xylenes, Total	ND		250	20	ug/Kg		06/05/17 11:17	06/07/17 16:20	1
Chlorodibromomethane	ND		250	15	ug/Kg		06/05/17 11:17	06/07/17 16:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*61 - 127*	*06/05/17 11:17*	*06/07/17 16:20*	*1*

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

Lab Sample ID: MB 240-281652/1-A
Matrix: Solid
Analysis Batch: 281989

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 281652

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		61 - 132	06/05/17 11:17	06/07/17 16:20	1
Toluene-d8 (Surr)	83		66 - 125	06/05/17 11:17	06/07/17 16:20	1
Dibromofluoromethane (Surr)	89		43 - 131	06/05/17 11:17	06/07/17 16:20	1

Lab Sample ID: LCS 240-281652/2-A
Matrix: Solid
Analysis Batch: 281989

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 281652

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	1000	844		ug/Kg		84	60 - 136
1,1,2,2-Tetrachloroethane	1000	1080		ug/Kg		108	78 - 120
1,1,2-Trichloroethane	1000	954		ug/Kg		95	80 - 120
1,1-Dichloroethane	1000	898		ug/Kg		90	72 - 120
1,1-Dichloroethene	1000	810		ug/Kg		81	58 - 130
1,2,4-Trichlorobenzene	1000	879		ug/Kg		88	60 - 124
1,2-Dibromo-3-Chloropropane	1000	766		ug/Kg		77	40 - 133
1,2-Dichlorobenzene	1000	972		ug/Kg		97	75 - 120
1,2-Dichloroethane	1000	885		ug/Kg		88	71 - 120
1,2-Dichloropropane	1000	961		ug/Kg		96	78 - 122
1,3-Dichlorobenzene	1000	1010		ug/Kg		101	72 - 120
1,4-Dichlorobenzene	1000	977		ug/Kg		98	71 - 120
2-Hexanone	2000	1520		ug/Kg		76	52 - 129
Acetone	2000	1420		ug/Kg		71	24 - 125
Benzene	1000	960		ug/Kg		96	77 - 120
Bromoform	1000	886		ug/Kg		89	40 - 140
Bromomethane	1000	380	J	ug/Kg		38	10 - 153
Carbon disulfide	1000	782		ug/Kg		78	17 - 163
Carbon tetrachloride	1000	732		ug/Kg		73	43 - 144
Chlorobenzene	1000	963		ug/Kg		96	76 - 120
Chloroethane	1000	255	J	ug/Kg		25	10 - 166
Chloroform	1000	922		ug/Kg		92	74 - 120
Chloromethane	1000	706		ug/Kg		71	41 - 124
cis-1,2-Dichloroethene	1000	960		ug/Kg		96	78 - 120
cis-1,3-Dichloropropene	1000	897		ug/Kg		90	66 - 126
Dichlorobromomethane	1000	893		ug/Kg		89	61 - 132
Dichlorodifluoromethane	1000	581		ug/Kg		58	15 - 127
Ethylbenzene	1000	980		ug/Kg		98	76 - 120
Ethylene Dibromide	1000	931		ug/Kg		93	80 - 120
m-Xylene & p-Xylene	1000	999		ug/Kg		100	78 - 120
Isopropylbenzene	1000	1080		ug/Kg		108	76 - 124
2-Butanone (MEK)	2000	1700		ug/Kg		85	51 - 120
4-Methyl-2-pentanone (MIBK)	2000	1690		ug/Kg		84	65 - 131
Methyl tert-butyl ether	1000	927		ug/Kg		93	68 - 129
Methylene Chloride	1000	941		ug/Kg		94	64 - 126
o-Xylene	1000	1040		ug/Kg		104	77 - 120
Styrene	1000	1030		ug/Kg		103	80 - 120
Tetrachloroethene	1000	848		ug/Kg		85	68 - 122
Toluene	1000	898		ug/Kg		90	74 - 120

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

Lab Sample ID: LCS 240-281652/2-A
Matrix: Solid
Analysis Batch: 281989

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 281652

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
trans-1,2-Dichloroethene	1000	908		ug/Kg		91	74 - 124
trans-1,3-Dichloropropene	1000	775		ug/Kg		78	55 - 121
Trichloroethene	1000	916		ug/Kg		92	73 - 123
Trichlorofluoromethane	1000	796		ug/Kg		80	28 - 152
Vinyl chloride	1000	824		ug/Kg		82	49 - 131
Xylenes, Total	2000	2040		ug/Kg		102	78 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*88*		*61 - 127*
4-Bromofluorobenzene (Surr)	*114*		*61 - 132*
Toluene-d8 (Surr)	*80*		*66 - 125*
Dibromofluoromethane (Surr)	*91*		*43 - 131*

Lab Sample ID: 240-80352-3 MS
Matrix: Solid
Analysis Batch: 281989

Client Sample ID: SAMPLE SS2 - GRID A27
Prep Type: Total/NA
Prep Batch: 281652

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND		2450	1190		ug/Kg	☼	48	33 - 130
1,1,2,2-Tetrachloroethane	ND		2450	1870		ug/Kg	☼	76	16 - 157
1,1,2-Trichloroethane	ND		2450	1760		ug/Kg	☼	72	19 - 137
1,1-Dichloroethane	ND		2450	1610		ug/Kg	☼	65	41 - 122
1,1-Dichloroethene	ND		2450	1170		ug/Kg	☼	48	30 - 139
1,2,4-Trichlorobenzene	ND		2450	375	J	ug/Kg	☼	15	10 - 120
1,2-Dibromo-3-Chloropropane	ND		2450	1240	J	ug/Kg	☼	50	10 - 128
1,2-Dichlorobenzene	ND		2450	977	J	ug/Kg	☼	40	10 - 120
1,2-Dichloroethane	ND		2450	1680		ug/Kg	☼	68	35 - 122
1,2-Dichloropropane	ND		2450	1680		ug/Kg	☼	69	38 - 130
1,3-Dichlorobenzene	ND		2450	822	J	ug/Kg	☼	33	10 - 120
1,4-Dichlorobenzene	ND		2450	840	J	ug/Kg	☼	34	10 - 120
2-Hexanone	ND		4910	2920	J	ug/Kg	☼	60	21 - 136
Acetone	ND		4910	3340	J	ug/Kg	☼	68	15 - 127
Benzene	ND		2450	1550		ug/Kg	☼	63	33 - 127
Bromoform	ND		2450	1520		ug/Kg	☼	62	10 - 120
Bromomethane	ND		2450	471	J	ug/Kg	☼	19	13 - 138
Carbon disulfide	ND		2450	633	J	ug/Kg	☼	26	15 - 131
Carbon tetrachloride	ND		2450	694	J	ug/Kg	☼	28	17 - 127
Chlorobenzene	ND		2450	1260		ug/Kg	☼	51	15 - 122
Chloroethane	ND		2450	984	J	ug/Kg	☼	40	15 - 148
Chloroform	ND		2450	1700		ug/Kg	☼	69	41 - 121
Chloromethane	ND		2450	1270	J	ug/Kg	☼	52	33 - 122
cis-1,2-Dichloroethene	ND		2450	1690		ug/Kg	☼	69	46 - 120
cis-1,3-Dichloropropene	ND		2450	1070		ug/Kg	☼	44	13 - 127
Dichlorobromomethane	ND		2450	1420		ug/Kg	☼	58	22 - 127
Dichlorodifluoromethane	ND		2450	357	J	ug/Kg	☼	15	10 - 126
Ethylbenzene	ND		2450	996		ug/Kg	☼	41	18 - 126
Ethylene Dibromide	ND		2450	1370		ug/Kg	☼	56	25 - 137
m-Xylene & p-Xylene	ND		2450	955	J	ug/Kg	☼	39	10 - 136

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

Lab Sample ID: 240-80352-3 MS
Matrix: Solid
Analysis Batch: 281989

Client Sample ID: SAMPLE SS2 - GRID A27
Prep Type: Total/NA
Prep Batch: 281652

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Isopropylbenzene	ND		2450	867	J	ug/Kg	☼	35	10 - 128
2-Butanone (MEK)	ND		4910	3770	J	ug/Kg	☼	77	29 - 127
4-Methyl-2-pentanone (MIBK)	ND		4910	3380	J	ug/Kg	☼	69	16 - 164
Methyl tert-butyl ether	ND		2450	2150		ug/Kg	☼	88	49 - 134
Methylene Chloride	460	J B	2450	2160		ug/Kg	☼	69	34 - 134
o-Xylene	ND		2450	1110		ug/Kg	☼	45	17 - 128
Styrene	ND		2450	1070		ug/Kg	☼	44	10 - 128
Tetrachloroethene	ND		2450	631	J	ug/Kg	☼	26	17 - 126
Toluene	ND		2450	1150		ug/Kg	☼	47	29 - 127
trans-1,2-Dichloroethene	ND		2450	1260		ug/Kg	☼	51	32 - 134
trans-1,3-Dichloropropene	ND		2450	1240		ug/Kg	☼	50	11 - 120
Trichloroethene	ND		2450	1160		ug/Kg	☼	47	10 - 160
Trichlorofluoromethane	ND		2450	1030	J	ug/Kg	☼	42	24 - 137
Vinyl chloride	ND		2450	1190	J	ug/Kg	☼	48	31 - 134
Xylenes, Total	ND		4910	2070		ug/Kg	☼	42	10 - 137

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*73*		*61 - 127*
4-Bromofluorobenzene (Surr)	*60*	*X*	*61 - 132*
Toluene-d8 (Surr)	*47*	*X*	*66 - 125*
Dibromofluoromethane (Surr)	*76*		*43 - 131*

Lab Sample ID: 240-80352-3 MSD
Matrix: Solid
Analysis Batch: 281989

Client Sample ID: SAMPLE SS2 - GRID A27
Prep Type: Total/NA
Prep Batch: 281652

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		2360	1110		ug/Kg	☼	47	33 - 130	7	40
1,1,2,2-Tetrachloroethane	ND		2360	1880		ug/Kg	☼	80	16 - 157	1	40
1,1,2-Trichloroethane	ND		2360	1690		ug/Kg	☼	72	19 - 137	4	40
1,1-Dichloroethane	ND		2360	1490		ug/Kg	☼	63	41 - 122	8	40
1,1-Dichloroethene	ND		2360	1080		ug/Kg	☼	46	30 - 139	8	40
1,2,4-Trichlorobenzene	ND		2360	418	J	ug/Kg	☼	18	10 - 120	11	40
1,2-Dibromo-3-Chloropropane	ND		2360	1240	J	ug/Kg	☼	53	10 - 128	1	40
1,2-Dichlorobenzene	ND		2360	980		ug/Kg	☼	41	10 - 120	0	40
1,2-Dichloroethane	ND		2360	1630		ug/Kg	☼	69	35 - 122	3	40
1,2-Dichloropropane	ND		2360	1610		ug/Kg	☼	68	38 - 130	4	40
1,3-Dichlorobenzene	ND		2360	809	J	ug/Kg	☼	34	10 - 120	2	40
1,4-Dichlorobenzene	ND		2360	865	J	ug/Kg	☼	37	10 - 120	3	40
2-Hexanone	ND		4720	3070	J	ug/Kg	☼	65	21 - 136	5	40
Acetone	ND		4720	3390	J	ug/Kg	☼	72	15 - 127	1	40
Benzene	ND		2360	1470		ug/Kg	☼	62	33 - 127	5	40
Bromoform	ND		2360	1450		ug/Kg	☼	62	10 - 120	4	40
Bromomethane	ND		2360	518	J	ug/Kg	☼	22	13 - 138	10	40
Carbon disulfide	ND		2360	615	J	ug/Kg	☼	26	15 - 131	3	40
Carbon tetrachloride	ND		2360	556	J	ug/Kg	☼	24	17 - 127	22	40
Chlorobenzene	ND		2360	1220		ug/Kg	☼	52	15 - 122	3	40
Chloroethane	ND		2360	1010	J	ug/Kg	☼	43	15 - 148	2	40

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

Lab Sample ID: 240-80352-3 MSD
Matrix: Solid
Analysis Batch: 281989

Client Sample ID: SAMPLE SS2 - GRID A27
Prep Type: Total/NA
Prep Batch: 281652

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloroform	ND		2360	1600		ug/Kg	☼	68	41 - 121	6	40
Chloromethane	ND		2360	1370	J	ug/Kg	☼	58	33 - 122	8	40
cis-1,2-Dichloroethene	ND		2360	1540		ug/Kg	☼	65	46 - 120	9	40
cis-1,3-Dichloropropene	ND		2360	1020		ug/Kg	☼	43	13 - 127	5	40
Dichlorobromomethane	ND		2360	1300		ug/Kg	☼	55	22 - 127	9	40
Dichlorodifluoromethane	ND		2360	404	J	ug/Kg	☼	17	10 - 126	12	40
Ethylbenzene	ND		2360	922	J	ug/Kg	☼	39	18 - 126	8	40
Ethylene Dibromide	ND		2360	1300		ug/Kg	☼	55	25 - 137	6	40
m-Xylene & p-Xylene	ND		2360	923	J	ug/Kg	☼	39	10 - 136	3	40
Isopropylbenzene	ND		2360	831	J	ug/Kg	☼	35	10 - 128	4	40
2-Butanone (MEK)	ND		4720	3840		ug/Kg	☼	81	29 - 127	2	40
4-Methyl-2-pentanone (MIBK)	ND		4720	3400	J	ug/Kg	☼	72	16 - 164	1	40
Methyl tert-butyl ether	ND		2360	2010		ug/Kg	☼	85	49 - 134	7	40
Methylene Chloride	460	J B	2360	1990		ug/Kg	☼	65	34 - 134	8	40
o-Xylene	ND		2360	1040		ug/Kg	☼	44	17 - 128	7	40
Styrene	ND		2360	1020		ug/Kg	☼	43	10 - 128	5	40
Tetrachloroethene	ND		2360	657	J	ug/Kg	☼	28	17 - 126	4	40
Toluene	ND		2360	1090		ug/Kg	☼	46	29 - 127	5	40
trans-1,2-Dichloroethene	ND		2360	1140		ug/Kg	☼	48	32 - 134	10	40
trans-1,3-Dichloropropene	ND		2360	1190		ug/Kg	☼	50	11 - 120	4	40
Trichloroethene	ND		2360	1110		ug/Kg	☼	47	10 - 160	5	40
Trichlorofluoromethane	ND		2360	1010	J	ug/Kg	☼	43	24 - 137	2	40
Vinyl chloride	ND		2360	1310	J	ug/Kg	☼	55	31 - 134	10	40
Xylenes, Total	ND		4720	1960		ug/Kg	☼	42	10 - 137	5	40

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*72*		*61 - 127*
4-Bromofluorobenzene (Surr)	*59*	*X*	*61 - 132*
Toluene-d8 (Surr)	*46*	*X*	*66 - 125*
Dibromofluoromethane (Surr)	*72*		*43 - 131*

Lab Sample ID: MB 240-281810/6
Matrix: Solid
Analysis Batch: 281810

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.23	ug/Kg			06/06/17 12:27	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/Kg			06/06/17 12:27	1
1,1,2-Trichloroethane	ND		5.0	0.39	ug/Kg			06/06/17 12:27	1
1,1-Dichloroethane	ND		5.0	0.33	ug/Kg			06/06/17 12:27	1
1,1-Dichloroethene	ND		5.0	0.54	ug/Kg			06/06/17 12:27	1
1,2,4-Trichlorobenzene	0.354	J	5.0	0.24	ug/Kg			06/06/17 12:27	1
1,2-Dibromo-3-Chloropropane	ND		10	0.68	ug/Kg			06/06/17 12:27	1
1,2-Dichlorobenzene	ND		5.0	0.22	ug/Kg			06/06/17 12:27	1
1,2-Dichloroethane	ND		5.0	0.29	ug/Kg			06/06/17 12:27	1
1,2-Dichloropropane	ND		5.0	0.31	ug/Kg			06/06/17 12:27	1
1,3-Dichlorobenzene	ND		5.0	0.29	ug/Kg			06/06/17 12:27	1
1,4-Dichlorobenzene	ND		5.0	0.35	ug/Kg			06/06/17 12:27	1

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

Lab Sample ID: MB 240-281810/6
Matrix: Solid
Analysis Batch: 281810

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	ND		20	0.58	ug/Kg			06/06/17 12:27	1
Acetone	ND		20	3.1	ug/Kg			06/06/17 12:27	1
Benzene	ND		5.0	0.32	ug/Kg			06/06/17 12:27	1
Bromoform	ND		5.0	0.40	ug/Kg			06/06/17 12:27	1
Bromomethane	ND		10	0.59	ug/Kg			06/06/17 12:27	1
Carbon disulfide	ND		5.0	0.21	ug/Kg			06/06/17 12:27	1
Carbon tetrachloride	ND		5.0	0.25	ug/Kg			06/06/17 12:27	1
Chlorobenzene	ND		5.0	0.33	ug/Kg			06/06/17 12:27	1
Chloroethane	ND		10	0.38	ug/Kg			06/06/17 12:27	1
Chloroform	ND		5.0	0.23	ug/Kg			06/06/17 12:27	1
Chloromethane	ND		10	0.38	ug/Kg			06/06/17 12:27	1
cis-1,2-Dichloroethene	ND		2.5	0.28	ug/Kg			06/06/17 12:27	1
cis-1,3-Dichloropropene	ND		5.0	0.26	ug/Kg			06/06/17 12:27	1
Dichlorobromomethane	ND		5.0	0.33	ug/Kg			06/06/17 12:27	1
Dichlorodifluoromethane	ND		10	0.35	ug/Kg			06/06/17 12:27	1
Ethylbenzene	ND		5.0	0.27	ug/Kg			06/06/17 12:27	1
Ethylene Dibromide	ND		5.0	0.35	ug/Kg			06/06/17 12:27	1
Isopropylbenzene	ND		5.0	0.20	ug/Kg			06/06/17 12:27	1
2-Butanone (MEK)	ND		20	1.3	ug/Kg			06/06/17 12:27	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.89	ug/Kg			06/06/17 12:27	1
Methyl tert-butyl ether	ND		5.0	0.27	ug/Kg			06/06/17 12:27	1
Methylene Chloride	0.645	J	5.0	0.24	ug/Kg			06/06/17 12:27	1
Styrene	ND		5.0	0.27	ug/Kg			06/06/17 12:27	1
Tetrachloroethene	ND		5.0	0.37	ug/Kg			06/06/17 12:27	1
Toluene	ND		5.0	0.34	ug/Kg			06/06/17 12:27	1
trans-1,2-Dichloroethene	ND		2.5	0.38	ug/Kg			06/06/17 12:27	1
trans-1,3-Dichloropropene	ND		5.0	0.21	ug/Kg			06/06/17 12:27	1
Trichloroethene	ND		5.0	0.41	ug/Kg			06/06/17 12:27	1
Trichlorofluoromethane	ND		10	0.24	ug/Kg			06/06/17 12:27	1
Vinyl chloride	ND		10	0.28	ug/Kg			06/06/17 12:27	1
Xylenes, Total	ND		5.0	0.40	ug/Kg			06/06/17 12:27	1
Chlorodibromomethane	ND		5.0	0.30	ug/Kg			06/06/17 12:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*82*		*61 - 127*		*06/06/17 12:27*	*1*
4-Bromofluorobenzene (Surr)	*103*		*61 - 132*		*06/06/17 12:27*	*1*
Toluene-d8 (Surr)	*79*		*66 - 125*		*06/06/17 12:27*	*1*
Dibromofluoromethane (Surr)	*89*		*43 - 131*		*06/06/17 12:27*	*1*

Lab Sample ID: LCS 240-281810/5
Matrix: Solid
Analysis Batch: 281810

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	50.0	53.5		ug/Kg		107	60 - 136
1,1,2,2-Tetrachloroethane	50.0	57.4		ug/Kg		115	78 - 120
1,1,2-Trichloroethane	50.0	50.3		ug/Kg		101	80 - 120
1,1-Dichloroethane	50.0	48.9		ug/Kg		98	72 - 120

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

Lab Sample ID: LCS 240-281810/5
Matrix: Solid
Analysis Batch: 281810

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	50.0	53.4		ug/Kg		107	58 - 130
1,2,4-Trichlorobenzene	50.0	49.1		ug/Kg		98	60 - 124
1,2-Dibromo-3-Chloropropane	50.0	48.1		ug/Kg		96	40 - 133
1,2-Dichlorobenzene	50.0	50.8		ug/Kg		102	75 - 120
1,2-Dichloroethane	50.0	44.2		ug/Kg		88	71 - 120
1,2-Dichloropropane	50.0	50.5		ug/Kg		101	78 - 122
1,3-Dichlorobenzene	50.0	53.4		ug/Kg		107	72 - 120
1,4-Dichlorobenzene	50.0	51.8		ug/Kg		104	71 - 120
2-Hexanone	100	80.7		ug/Kg		81	52 - 129
Acetone	100	75.0		ug/Kg		75	24 - 125
Benzene	50.0	51.5		ug/Kg		103	77 - 120
Bromoform	50.0	56.4		ug/Kg		113	40 - 140
Bromomethane	20.0	16.9		ug/Kg		85	10 - 153
Carbon disulfide	50.0	69.7		ug/Kg		139	17 - 163
Carbon tetrachloride	50.0	48.6		ug/Kg		97	43 - 144
Chlorobenzene	50.0	50.9		ug/Kg		102	76 - 120
Chloroethane	20.0	21.8		ug/Kg		109	10 - 166
Chloroform	50.0	50.2		ug/Kg		100	74 - 120
Chloromethane	20.0	16.2		ug/Kg		81	41 - 124
cis-1,2-Dichloroethene	50.0	52.9		ug/Kg		106	78 - 120
cis-1,3-Dichloropropene	50.0	52.1		ug/Kg		104	66 - 126
Dichlorobromomethane	50.0	54.6		ug/Kg		109	61 - 132
Dichlorodifluoromethane	20.0	13.7		ug/Kg		68	15 - 127
Ethylbenzene	50.0	54.7		ug/Kg		109	76 - 120
Ethylene Dibromide	50.0	49.3		ug/Kg		99	80 - 120
m-Xylene & p-Xylene	50.0	55.6		ug/Kg		111	78 - 120
Isopropylbenzene	50.0	59.9		ug/Kg		120	76 - 124
2-Butanone (MEK)	100	79.0		ug/Kg		79	51 - 120
4-Methyl-2-pentanone (MIBK)	100	91.2		ug/Kg		91	65 - 131
Methyl tert-butyl ether	50.0	50.8		ug/Kg		102	68 - 129
Methylene Chloride	50.0	45.8		ug/Kg		92	64 - 126
o-Xylene	50.0	57.3		ug/Kg		115	77 - 120
Styrene	50.0	57.1		ug/Kg		114	80 - 120
Tetrachloroethene	50.0	48.4		ug/Kg		97	68 - 122
Toluene	50.0	46.8		ug/Kg		94	74 - 120
trans-1,2-Dichloroethene	50.0	53.3		ug/Kg		107	74 - 124
trans-1,3-Dichloropropene	50.0	42.7		ug/Kg		85	55 - 121
Trichloroethene	50.0	50.8		ug/Kg		102	73 - 123
Trichlorofluoromethane	20.0	24.5		ug/Kg		123	28 - 152
Vinyl chloride	20.0	19.1		ug/Kg		96	49 - 131
Xylenes, Total	100	113		ug/Kg		113	78 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*80*		*61 - 127*
4-Bromofluorobenzene (Surr)	*103*		*61 - 132*
Toluene-d8 (Surr)	*82*		*66 - 125*
Dibromofluoromethane (Surr)	*90*		*43 - 131*

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

Lab Sample ID: 240-80352-2MS
Matrix: Solid
Analysis Batch: 281810

Client Sample ID: SAMPLE SS1 - GRID A50
Prep Type: Total/NA
Prep Batch: 281848

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND		150	157		ug/Kg	☼	104	33 - 130
1,1,2,2-Tetrachloroethane	ND		150	190	*	ug/Kg	☼	126	16 - 157
1,1,2-Trichloroethane	ND		150	143		ug/Kg	☼	96	19 - 137
1,1-Dichloroethane	ND		150	150		ug/Kg	☼	100	41 - 122
1,1-Dichloroethene	ND		150	172		ug/Kg	☼	115	30 - 139
1,2,4-Trichlorobenzene	ND		150	40.1	*	ug/Kg	☼	27	10 - 120
1,2-Dibromo-3-Chloropropane	ND		150	99.4	*	ug/Kg	☼	66	10 - 128
1,2-Dichlorobenzene	ND		150	94.3	*	ug/Kg	☼	63	10 - 120
1,2-Dichloroethane	ND		150	117		ug/Kg	☼	78	35 - 122
1,2-Dichloropropane	ND		150	141		ug/Kg	☼	94	38 - 130
1,3-Dichlorobenzene	ND		150	108	*	ug/Kg	☼	72	10 - 120
1,4-Dichlorobenzene	ND		150	103	*	ug/Kg	☼	68	10 - 120
2-Hexanone	ND		300	214		ug/Kg	☼	71	21 - 136
Acetone	97		300	344		ug/Kg	☼	82	15 - 127
Benzene	ND		150	149		ug/Kg	☼	100	33 - 127
Bromoform	ND		150	72.2		ug/Kg	☼	48	10 - 120
Bromomethane	ND		60.0	46.0		ug/Kg	☼	77	13 - 138
Carbon disulfide	1.0	J	150	177		ug/Kg	☼	117	15 - 131
Carbon tetrachloride	ND		150	76.1		ug/Kg	☼	51	17 - 127
Chlorobenzene	ND		150	125		ug/Kg	☼	84	15 - 122
Chloroethane	ND		60.0	69.4		ug/Kg	☼	116	15 - 148
Chloroform	ND		150	149		ug/Kg	☼	100	41 - 121
Chloromethane	ND		60.0	48.6		ug/Kg	☼	81	33 - 122
cis-1,2-Dichloroethene	ND		150	151		ug/Kg	☼	101	46 - 120
cis-1,3-Dichloropropene	ND		150	103		ug/Kg	☼	69	13 - 127
Dichlorobromomethane	ND		150	100		ug/Kg	☼	67	22 - 127
Dichlorodifluoromethane	ND		60.0	42.1		ug/Kg	☼	70	10 - 126
Ethylbenzene	ND		150	129		ug/Kg	☼	86	18 - 126
Ethylene Dibromide	ND		150	123		ug/Kg	☼	82	25 - 137
m-Xylene & p-Xylene	ND		150	127		ug/Kg	☼	85	10 - 136
Isopropylbenzene	ND		150	112		ug/Kg	☼	75	10 - 128
2-Butanone (MEK)	22	J	300	227		ug/Kg	☼	68	29 - 127
4-Methyl-2-pentanone (MIBK)	ND		300	254		ug/Kg	☼	85	16 - 164
Methyl tert-butyl ether	ND		150	141		ug/Kg	☼	94	49 - 134
Methylene Chloride	1.7	J B	150	150		ug/Kg	☼	99	34 - 134
o-Xylene	ND		150	132		ug/Kg	☼	88	17 - 128
Styrene	ND		150	114		ug/Kg	☼	76	10 - 128
Tetrachloroethene	ND		150	114		ug/Kg	☼	76	17 - 126
Toluene	ND		150	140		ug/Kg	☼	93	29 - 127
trans-1,2-Dichloroethene	ND		150	151		ug/Kg	☼	101	32 - 134
trans-1,3-Dichloropropene	ND		150	90.4		ug/Kg	☼	60	11 - 120
Trichloroethene	ND		150	130		ug/Kg	☼	86	10 - 160
Trichlorofluoromethane	ND		60.0	70.9		ug/Kg	☼	118	24 - 137
Vinyl chloride	ND		60.0	58.6		ug/Kg	☼	98	31 - 134
Xylenes, Total	ND		300	259		ug/Kg	☼	86	10 - 137

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

Lab Sample ID: 240-80352-2MS
Matrix: Solid
Analysis Batch: 281810

Client Sample ID: SAMPLE SS1 - GRID A50
Prep Type: Total/NA
Prep Batch: 281848

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*72*		*61 - 127*
4-Bromofluorobenzene (Surr)	*136*	*X **	*61 - 132*
Toluene-d8 (Surr)	*90*		*66 - 125*
Dibromofluoromethane (Surr)	*87*		*43 - 131*

Lab Sample ID: 240-80352-2MSD
Matrix: Solid
Analysis Batch: 281810

Client Sample ID: SAMPLE SS1 - GRID A50
Prep Type: Total/NA
Prep Batch: 281848

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		150	120		ug/Kg	☼	80	33 - 130	27	40
1,1,2,2-Tetrachloroethane	ND		150	145		ug/Kg	☼	96	16 - 157	27	40
1,1,2-Trichloroethane	ND		150	118		ug/Kg	☼	79	19 - 137	19	40
1,1-Dichloroethane	ND		150	124		ug/Kg	☼	82	41 - 122	19	40
1,1-Dichloroethene	ND		150	134		ug/Kg	☼	89	30 - 139	25	40
1,2,4-Trichlorobenzene	ND		150	32.2		ug/Kg	☼	21	10 - 120	22	40
1,2-Dibromo-3-Chloropropane	ND		150	75.1		ug/Kg	☼	50	10 - 128	28	40
1,2-Dichlorobenzene	ND		150	68.9		ug/Kg	☼	46	10 - 120	31	40
1,2-Dichloroethane	ND		150	103		ug/Kg	☼	68	35 - 122	13	40
1,2-Dichloropropane	ND		150	115		ug/Kg	☼	77	38 - 130	20	40
1,3-Dichlorobenzene	ND		150	76.7		ug/Kg	☼	51	10 - 120	34	40
1,4-Dichlorobenzene	ND		150	73.2		ug/Kg	☼	49	10 - 120	34	40
2-Hexanone	ND		301	186		ug/Kg	☼	62	21 - 136	14	40
Acetone	97		301	371		ug/Kg	☼	91	15 - 127	8	40
Benzene	ND		150	120		ug/Kg	☼	80	33 - 127	22	40
Bromoform	ND		150	62.6		ug/Kg	☼	42	10 - 120	14	40
Bromomethane	ND		60.2	46.0		ug/Kg	☼	76	13 - 138	0	40
Carbon disulfide	1.0	J	150	124		ug/Kg	☼	82	15 - 131	35	40
Carbon tetrachloride	ND		150	66.6		ug/Kg	☼	44	17 - 127	13	40
Chlorobenzene	ND		150	91.0		ug/Kg	☼	60	15 - 122	32	40
Chloroethane	ND		60.2	62.1		ug/Kg	☼	103	15 - 148	11	40
Chloroform	ND		150	120		ug/Kg	☼	80	41 - 121	22	40
Chloromethane	ND		60.2	44.5		ug/Kg	☼	74	33 - 122	9	40
cis-1,2-Dichloroethene	ND		150	121		ug/Kg	☼	80	46 - 120	22	40
cis-1,3-Dichloropropene	ND		150	84.1		ug/Kg	☼	56	13 - 127	20	40
Dichlorobromomethane	ND		150	82.3		ug/Kg	☼	55	22 - 127	20	40
Dichlorodifluoromethane	ND		60.2	38.5		ug/Kg	☼	64	10 - 126	9	40
Ethylbenzene	ND		150	95.2		ug/Kg	☼	63	18 - 126	30	40
Ethylene Dibromide	ND		150	105		ug/Kg	☼	70	25 - 137	16	40
m-Xylene & p-Xylene	ND		150	93.3		ug/Kg	☼	62	10 - 136	31	40
Isopropylbenzene	ND		150	85.7		ug/Kg	☼	57	10 - 128	27	40
2-Butanone (MEK)	22	J	301	231		ug/Kg	☼	69	29 - 127	2	40
4-Methyl-2-pentanone (MIBK)	ND		301	231		ug/Kg	☼	77	16 - 164	10	40
Methyl tert-butyl ether	ND		150	123		ug/Kg	☼	82	49 - 134	13	40
Methylene Chloride	1.7	J B	150	120		ug/Kg	☼	79	34 - 134	22	40
o-Xylene	ND		150	94.8		ug/Kg	☼	63	17 - 128	33	40
Styrene	ND		150	80.2		ug/Kg	☼	53	10 - 128	35	40
Tetrachloroethene	ND		150	86.9		ug/Kg	☼	58	17 - 126	27	40

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

Lab Sample ID: 240-80352-2MSD
Matrix: Solid
Analysis Batch: 281810

Client Sample ID: SAMPLE SS1 - GRID A50
Prep Type: Total/NA
Prep Batch: 281848

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Toluene	ND		150	104		ug/Kg	☼	69	29 - 127	29	40
trans-1,2-Dichloroethene	ND		150	122		ug/Kg	☼	81	32 - 134	22	40
trans-1,3-Dichloropropene	ND		150	73.7		ug/Kg	☼	49	11 - 120	20	40
Trichloroethene	ND		150	102		ug/Kg	☼	68	10 - 160	24	40
Trichlorofluoromethane	ND		60.2	63.6		ug/Kg	☼	106	24 - 137	11	40
Vinyl chloride	ND		60.2	54.1		ug/Kg	☼	90	31 - 134	8	40
Xylenes, Total	ND		301	188		ug/Kg	☼	63	10 - 137	32	40

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*78*		*61 - 127*
4-Bromofluorobenzene (Surr)	*131*		*61 - 132*
Toluene-d8 (Surr)	*86*		*66 - 125*
Dibromofluoromethane (Surr)	*90*		*43 - 131*

Lab Sample ID: MB 240-281989/6
Matrix: Solid
Analysis Batch: 281989

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.23	ug/Kg			06/07/17 12:23	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/Kg			06/07/17 12:23	1
1,1,2-Trichloroethane	ND		5.0	0.39	ug/Kg			06/07/17 12:23	1
1,1-Dichloroethane	ND		5.0	0.33	ug/Kg			06/07/17 12:23	1
1,1-Dichloroethene	ND		5.0	0.54	ug/Kg			06/07/17 12:23	1
1,2,4-Trichlorobenzene	0.422	J	5.0	0.24	ug/Kg			06/07/17 12:23	1
1,2-Dibromo-3-Chloropropane	ND		10	0.68	ug/Kg			06/07/17 12:23	1
1,2-Dichlorobenzene	ND		5.0	0.22	ug/Kg			06/07/17 12:23	1
1,2-Dichloroethane	ND		5.0	0.29	ug/Kg			06/07/17 12:23	1
1,2-Dichloropropane	ND		5.0	0.31	ug/Kg			06/07/17 12:23	1
1,3-Dichlorobenzene	ND		5.0	0.29	ug/Kg			06/07/17 12:23	1
1,4-Dichlorobenzene	ND		5.0	0.35	ug/Kg			06/07/17 12:23	1
2-Hexanone	ND		20	0.58	ug/Kg			06/07/17 12:23	1
Acetone	ND		20	3.1	ug/Kg			06/07/17 12:23	1
Benzene	ND		5.0	0.32	ug/Kg			06/07/17 12:23	1
Bromoform	ND		5.0	0.40	ug/Kg			06/07/17 12:23	1
Bromomethane	ND		10	0.59	ug/Kg			06/07/17 12:23	1
Carbon disulfide	ND		5.0	0.21	ug/Kg			06/07/17 12:23	1
Carbon tetrachloride	ND		5.0	0.25	ug/Kg			06/07/17 12:23	1
Chlorobenzene	ND		5.0	0.33	ug/Kg			06/07/17 12:23	1
Chloroethane	ND		10	0.38	ug/Kg			06/07/17 12:23	1
Chloroform	ND		5.0	0.23	ug/Kg			06/07/17 12:23	1
Chloromethane	ND		10	0.38	ug/Kg			06/07/17 12:23	1
cis-1,2-Dichloroethene	ND		2.5	0.28	ug/Kg			06/07/17 12:23	1
cis-1,3-Dichloropropene	ND		5.0	0.26	ug/Kg			06/07/17 12:23	1
Dichlorobromomethane	ND		5.0	0.33	ug/Kg			06/07/17 12:23	1
Dichlorodifluoromethane	ND		10	0.35	ug/Kg			06/07/17 12:23	1
Ethylbenzene	ND		5.0	0.27	ug/Kg			06/07/17 12:23	1
Ethylene Dibromide	ND		5.0	0.35	ug/Kg			06/07/17 12:23	1

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

Lab Sample ID: MB 240-281989/6
Matrix: Solid
Analysis Batch: 281989

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		5.0	0.20	ug/Kg			06/07/17 12:23	1
2-Butanone (MEK)	ND		20	1.3	ug/Kg			06/07/17 12:23	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.89	ug/Kg			06/07/17 12:23	1
Methyl tert-butyl ether	ND		5.0	0.27	ug/Kg			06/07/17 12:23	1
Methylene Chloride	2.98	J	5.0	0.24	ug/Kg			06/07/17 12:23	1
Styrene	ND		5.0	0.27	ug/Kg			06/07/17 12:23	1
Tetrachloroethene	ND		5.0	0.37	ug/Kg			06/07/17 12:23	1
Toluene	ND		5.0	0.34	ug/Kg			06/07/17 12:23	1
trans-1,2-Dichloroethene	ND		2.5	0.38	ug/Kg			06/07/17 12:23	1
trans-1,3-Dichloropropene	ND		5.0	0.21	ug/Kg			06/07/17 12:23	1
Trichloroethene	ND		5.0	0.41	ug/Kg			06/07/17 12:23	1
Trichlorofluoromethane	ND		10	0.24	ug/Kg			06/07/17 12:23	1
Vinyl chloride	ND		10	0.28	ug/Kg			06/07/17 12:23	1
Xylenes, Total	ND		5.0	0.40	ug/Kg			06/07/17 12:23	1
Chlorodibromomethane	ND		5.0	0.30	ug/Kg			06/07/17 12:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*78*		*61 - 127*		*06/07/17 12:23*	*1*
4-Bromofluorobenzene (Surr)	*100*		*61 - 132*		*06/07/17 12:23*	*1*
Toluene-d8 (Surr)	*75*		*66 - 125*		*06/07/17 12:23*	*1*
Dibromofluoromethane (Surr)	*84*		*43 - 131*		*06/07/17 12:23*	*1*

Lab Sample ID: LCS 240-281989/5
Matrix: Solid
Analysis Batch: 281989

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	50.0	52.4		ug/Kg		105	60 - 136
1,1,2,2-Tetrachloroethane	50.0	56.9		ug/Kg		114	78 - 120
1,1,2-Trichloroethane	50.0	50.0		ug/Kg		100	80 - 120
1,1-Dichloroethane	50.0	48.5		ug/Kg		97	72 - 120
1,1-Dichloroethene	50.0	50.9		ug/Kg		102	58 - 130
1,2,4-Trichlorobenzene	50.0	48.1		ug/Kg		96	60 - 124
1,2-Dibromo-3-Chloropropane	50.0	45.5		ug/Kg		91	40 - 133
1,2-Dichlorobenzene	50.0	50.0		ug/Kg		100	75 - 120
1,2-Dichloroethane	50.0	44.3		ug/Kg		89	71 - 120
1,2-Dichloropropane	50.0	51.0		ug/Kg		102	78 - 122
1,3-Dichlorobenzene	50.0	53.4		ug/Kg		107	72 - 120
1,4-Dichlorobenzene	50.0	52.1		ug/Kg		104	71 - 120
2-Hexanone	100	80.7		ug/Kg		81	52 - 129
Acetone	100	75.8		ug/Kg		76	24 - 125
Benzene	50.0	51.8		ug/Kg		104	77 - 120
Bromoform	50.0	54.3		ug/Kg		109	40 - 140
Bromomethane	20.0	18.6		ug/Kg		93	10 - 153
Carbon disulfide	50.0	66.2		ug/Kg		132	17 - 163
Carbon tetrachloride	50.0	47.3		ug/Kg		95	43 - 144
Chlorobenzene	50.0	50.4		ug/Kg		101	76 - 120
Chloroethane	20.0	22.2		ug/Kg		111	10 - 166

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

Lab Sample ID: LCS 240-281989/5
Matrix: Solid
Analysis Batch: 281989

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloroform	50.0	49.6		ug/Kg		99	74 - 120
Chloromethane	20.0	20.9		ug/Kg		105	41 - 124
cis-1,2-Dichloroethene	50.0	51.5		ug/Kg		103	78 - 120
cis-1,3-Dichloropropene	50.0	52.2		ug/Kg		104	66 - 126
Dichlorobromomethane	50.0	54.9		ug/Kg		110	61 - 132
Dichlorodifluoromethane	20.0	24.5		ug/Kg		122	15 - 127
Ethylbenzene	50.0	53.5		ug/Kg		107	76 - 120
Ethylene Dibromide	50.0	48.6		ug/Kg		97	80 - 120
m-Xylene & p-Xylene	50.0	54.3		ug/Kg		109	78 - 120
Isopropylbenzene	50.0	57.6		ug/Kg		115	76 - 124
2-Butanone (MEK)	100	82.4		ug/Kg		82	51 - 120
4-Methyl-2-pentanone (MIBK)	100	90.0		ug/Kg		90	65 - 131
Methyl tert-butyl ether	50.0	49.2		ug/Kg		98	68 - 129
Methylene Chloride	50.0	45.3		ug/Kg		91	64 - 126
o-Xylene	50.0	56.3		ug/Kg		113	77 - 120
Styrene	50.0	56.3		ug/Kg		113	80 - 120
Tetrachloroethene	50.0	47.5		ug/Kg		95	68 - 122
Toluene	50.0	46.3		ug/Kg		93	74 - 120
trans-1,2-Dichloroethene	50.0	52.3		ug/Kg		105	74 - 124
trans-1,3-Dichloropropene	50.0	41.7		ug/Kg		83	55 - 121
Trichloroethene	50.0	50.8		ug/Kg		102	73 - 123
Trichlorofluoromethane	20.0	25.2		ug/Kg		126	28 - 152
Vinyl chloride	20.0	23.2		ug/Kg		116	49 - 131
Xylenes, Total	100	111		ug/Kg		111	78 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*77*		*61 - 127*
4-Bromofluorobenzene (Surr)	*102*		*61 - 132*
Toluene-d8 (Surr)	*78*		*66 - 125*
Dibromofluoromethane (Surr)	*86*		*43 - 131*

Lab Sample ID: MB 240-282021/1-A
Matrix: Solid
Analysis Batch: 281989

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 282021

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.23	ug/Kg		06/07/17 11:43	06/07/17 13:06	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/Kg		06/07/17 11:43	06/07/17 13:06	1
1,1,2-Trichloroethane	ND		5.0	0.39	ug/Kg		06/07/17 11:43	06/07/17 13:06	1
1,1-Dichloroethane	ND		5.0	0.33	ug/Kg		06/07/17 11:43	06/07/17 13:06	1
1,1-Dichloroethene	ND		5.0	0.54	ug/Kg		06/07/17 11:43	06/07/17 13:06	1
1,2,4-Trichlorobenzene	ND		5.0	0.24	ug/Kg		06/07/17 11:43	06/07/17 13:06	1
1,2-Dibromo-3-Chloropropane	ND		10	0.68	ug/Kg		06/07/17 11:43	06/07/17 13:06	1
1,2-Dichlorobenzene	ND		5.0	0.22	ug/Kg		06/07/17 11:43	06/07/17 13:06	1
1,2-Dichloroethane	ND		5.0	0.29	ug/Kg		06/07/17 11:43	06/07/17 13:06	1
1,2-Dichloropropane	ND		5.0	0.31	ug/Kg		06/07/17 11:43	06/07/17 13:06	1
1,3-Dichlorobenzene	ND		5.0	0.29	ug/Kg		06/07/17 11:43	06/07/17 13:06	1
1,4-Dichlorobenzene	ND		5.0	0.35	ug/Kg		06/07/17 11:43	06/07/17 13:06	1

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

Lab Sample ID: MB 240-282021/1-A
Matrix: Solid
Analysis Batch: 281989

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 282021

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	ND		20	0.58	ug/Kg		06/07/17 11:43	06/07/17 13:06	1
Acetone	ND		20	3.1	ug/Kg		06/07/17 11:43	06/07/17 13:06	1
Benzene	ND		5.0	0.32	ug/Kg		06/07/17 11:43	06/07/17 13:06	1
Bromoform	ND		5.0	0.40	ug/Kg		06/07/17 11:43	06/07/17 13:06	1
Bromomethane	ND		10	0.59	ug/Kg		06/07/17 11:43	06/07/17 13:06	1
Carbon disulfide	ND		5.0	0.21	ug/Kg		06/07/17 11:43	06/07/17 13:06	1
Carbon tetrachloride	ND		5.0	0.25	ug/Kg		06/07/17 11:43	06/07/17 13:06	1
Chlorobenzene	ND		5.0	0.33	ug/Kg		06/07/17 11:43	06/07/17 13:06	1
Chloroethane	ND		10	0.38	ug/Kg		06/07/17 11:43	06/07/17 13:06	1
Chloroform	ND		5.0	0.23	ug/Kg		06/07/17 11:43	06/07/17 13:06	1
Chloromethane	ND		10	0.38	ug/Kg		06/07/17 11:43	06/07/17 13:06	1
cis-1,2-Dichloroethene	ND		2.5	0.28	ug/Kg		06/07/17 11:43	06/07/17 13:06	1
cis-1,3-Dichloropropene	ND		5.0	0.26	ug/Kg		06/07/17 11:43	06/07/17 13:06	1
Dichlorobromomethane	ND		5.0	0.33	ug/Kg		06/07/17 11:43	06/07/17 13:06	1
Dichlorodifluoromethane	ND		10	0.35	ug/Kg		06/07/17 11:43	06/07/17 13:06	1
Ethylbenzene	ND		5.0	0.27	ug/Kg		06/07/17 11:43	06/07/17 13:06	1
Ethylene Dibromide	ND		5.0	0.35	ug/Kg		06/07/17 11:43	06/07/17 13:06	1
Isopropylbenzene	ND		5.0	0.20	ug/Kg		06/07/17 11:43	06/07/17 13:06	1
2-Butanone (MEK)	ND		20	1.3	ug/Kg		06/07/17 11:43	06/07/17 13:06	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.89	ug/Kg		06/07/17 11:43	06/07/17 13:06	1
Methyl tert-butyl ether	ND		5.0	0.27	ug/Kg		06/07/17 11:43	06/07/17 13:06	1
Methylene Chloride	3.44	J	5.0	0.24	ug/Kg		06/07/17 11:43	06/07/17 13:06	1
Styrene	ND		5.0	0.27	ug/Kg		06/07/17 11:43	06/07/17 13:06	1
Tetrachloroethene	ND		5.0	0.37	ug/Kg		06/07/17 11:43	06/07/17 13:06	1
Toluene	ND		5.0	0.34	ug/Kg		06/07/17 11:43	06/07/17 13:06	1
trans-1,2-Dichloroethene	ND		2.5	0.38	ug/Kg		06/07/17 11:43	06/07/17 13:06	1
trans-1,3-Dichloropropene	ND		5.0	0.21	ug/Kg		06/07/17 11:43	06/07/17 13:06	1
Trichloroethene	ND		5.0	0.41	ug/Kg		06/07/17 11:43	06/07/17 13:06	1
Trichlorofluoromethane	ND		10	0.24	ug/Kg		06/07/17 11:43	06/07/17 13:06	1
Vinyl chloride	ND		10	0.28	ug/Kg		06/07/17 11:43	06/07/17 13:06	1
Xylenes, Total	ND		5.0	0.40	ug/Kg		06/07/17 11:43	06/07/17 13:06	1
Chlorodibromomethane	ND		5.0	0.30	ug/Kg		06/07/17 11:43	06/07/17 13:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*79*		*61 - 127*	*06/07/17 11:43*	*06/07/17 13:06*	*1*
4-Bromofluorobenzene (Surr)	*98*		*61 - 132*	*06/07/17 11:43*	*06/07/17 13:06*	*1*
Toluene-d8 (Surr)	*75*		*66 - 125*	*06/07/17 11:43*	*06/07/17 13:06*	*1*
Dibromofluoromethane (Surr)	*86*		*43 - 131*	*06/07/17 11:43*	*06/07/17 13:06*	*1*

Lab Sample ID: 240-80352-11 MS
Matrix: Solid
Analysis Batch: 281989

Client Sample ID: SAMPLE SS10 - GRID C52
Prep Type: Total/NA
Prep Batch: 282021

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND		138	112		ug/Kg	☼	81	33 - 130
1,1,1-Trichloroethane	ND		138	112		ug/Kg	☼	81	33 - 130
1,1,2,2-Tetrachloroethane	ND	F1 F2	138	152		ug/Kg	☼	110	16 - 157
1,1,2,2-Tetrachloroethane	ND	F1 F2	138	152		ug/Kg	☼	110	16 - 157

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

Lab Sample ID: 240-80352-11 MS
Matrix: Solid
Analysis Batch: 281989

Client Sample ID: SAMPLE SS10 - GRID C52
Prep Type: Total/NA
Prep Batch: 282021

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2-Trichloroethane	ND		138	111		ug/Kg	☼	81	19 - 137
1,1,2-Trichloroethane	ND		138	111		ug/Kg	☼	81	19 - 137
1,1-Dichloroethane	ND		138	107		ug/Kg	☼	77	41 - 122
1,1-Dichloroethane	ND		138	107		ug/Kg	☼	77	41 - 122
1,1-Dichloroethene	ND		138	118		ug/Kg	☼	86	30 - 139
1,1-Dichloroethene	ND		138	118		ug/Kg	☼	86	30 - 139
1,2,4-Trichlorobenzene	ND		138	67.2		ug/Kg	☼	49	10 - 120
1,2,4-Trichlorobenzene	ND		138	67.2		ug/Kg	☼	49	10 - 120
1,2-Dibromo-3-Chloropropane	ND		138	123		ug/Kg	☼	89	10 - 128
1,2-Dibromo-3-Chloropropane	ND		138	123		ug/Kg	☼	89	10 - 128
1,2-Dichlorobenzene	ND		138	104		ug/Kg	☼	75	10 - 120
1,2-Dichlorobenzene	ND		138	104		ug/Kg	☼	75	10 - 120
1,2-Dichloroethane	ND		138	97.5		ug/Kg	☼	71	35 - 122
1,2-Dichloroethane	ND		138	97.5		ug/Kg	☼	71	35 - 122
1,2-Dichloropropane	ND		138	107		ug/Kg	☼	78	38 - 130
1,2-Dichloropropane	ND		138	107		ug/Kg	☼	78	38 - 130
1,3-Dichlorobenzene	ND		138	120		ug/Kg	☼	87	10 - 120
1,3-Dichlorobenzene	ND		138	120		ug/Kg	☼	87	10 - 120
1,4-Dichlorobenzene	ND		138	113		ug/Kg	☼	82	10 - 120
1,4-Dichlorobenzene	ND		138	113		ug/Kg	☼	82	10 - 120
2-Hexanone	ND		276	223		ug/Kg	☼	81	21 - 136
2-Hexanone	ND		276	223		ug/Kg	☼	81	21 - 136
Acetone	ND	F1	276	279		ug/Kg	☼	101	15 - 127
Acetone	ND	F1	276	279		ug/Kg	☼	101	15 - 127
Benzene	ND		138	113		ug/Kg	☼	82	33 - 127
Benzene	ND		138	113		ug/Kg	☼	82	33 - 127
Bromoform	ND		138	95.9		ug/Kg	☼	69	10 - 120
Bromoform	ND		138	95.9		ug/Kg	☼	69	10 - 120
Bromomethane	ND	F2	55.3	25.1	J	ug/Kg	☼	45	13 - 138
Bromomethane	ND	F2	55.3	25.1	J	ug/Kg	☼	45	13 - 138
Carbon disulfide	13	J F1	138	145		ug/Kg	☼	96	15 - 131
Carbon disulfide	13	J F1	138	145		ug/Kg	☼	96	15 - 131
Carbon tetrachloride	ND		138	90.0		ug/Kg	☼	65	17 - 127
Carbon tetrachloride	ND		138	90.0		ug/Kg	☼	65	17 - 127
Chlorobenzene	ND		138	108		ug/Kg	☼	78	15 - 122
Chlorobenzene	ND		138	108		ug/Kg	☼	78	15 - 122
Chloroethane	ND	F2	55.3	43.2		ug/Kg	☼	78	15 - 148
Chloroethane	ND	F2	55.3	43.2		ug/Kg	☼	78	15 - 148
Chloroform	ND		138	108		ug/Kg	☼	78	41 - 121
Chloroform	ND		138	108		ug/Kg	☼	78	41 - 121
Chloromethane	ND	F1 F2	55.3	44.3		ug/Kg	☼	80	33 - 122
Chloromethane	ND	F1 F2	55.3	44.3		ug/Kg	☼	80	33 - 122
cis-1,2-Dichloroethene	ND		138	112		ug/Kg	☼	81	46 - 120
cis-1,2-Dichloroethene	ND		138	112		ug/Kg	☼	81	46 - 120
cis-1,3-Dichloropropene	ND		138	85.5		ug/Kg	☼	62	13 - 127
cis-1,3-Dichloropropene	ND		138	85.5		ug/Kg	☼	62	13 - 127
Dichlorobromomethane	ND		138	104		ug/Kg	☼	75	22 - 127
Dichlorobromomethane	ND		138	104		ug/Kg	☼	75	22 - 127

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

Lab Sample ID: 240-80352-11 MS
Matrix: Solid
Analysis Batch: 281989

Client Sample ID: SAMPLE SS10 - GRID C52
Prep Type: Total/NA
Prep Batch: 282021

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	ND	F1 F2	55.3	53.5		ug/Kg	☼	97	10 - 126
Dichlorodifluoromethane	ND	F1 F2	55.3	53.5		ug/Kg	☼	97	10 - 126
Ethylbenzene	ND		138	119		ug/Kg	☼	86	18 - 126
Ethylbenzene	ND		138	119		ug/Kg	☼	86	18 - 126
Ethylene Dibromide	ND		138	108		ug/Kg	☼	78	25 - 137
Ethylene Dibromide	ND		138	108		ug/Kg	☼	78	25 - 137
m-Xylene & p-Xylene	ND		138	120		ug/Kg	☼	87	10 - 136
m-Xylene & p-Xylene	ND		138	120		ug/Kg	☼	87	10 - 136
Isopropylbenzene	ND		138	126		ug/Kg	☼	91	10 - 128
Isopropylbenzene	ND		138	126		ug/Kg	☼	91	10 - 128
2-Butanone (MEK)	ND		276	243		ug/Kg	☼	88	29 - 127
2-Butanone (MEK)	ND		276	243		ug/Kg	☼	88	29 - 127
4-Methyl-2-pentanone (MIBK)	ND		276	238		ug/Kg	☼	86	16 - 164
4-Methyl-2-pentanone (MIBK)	ND		276	238		ug/Kg	☼	86	16 - 164
Methyl tert-butyl ether	ND		138	104		ug/Kg	☼	76	49 - 134
Methyl tert-butyl ether	ND		138	104		ug/Kg	☼	76	49 - 134
Methylene Chloride	85	J B F1	138	101	F1	ug/Kg	☼	12	34 - 134
Methylene Chloride	85	J B F1	138	101	F1	ug/Kg	☼	12	34 - 134
o-Xylene	ND		138	120		ug/Kg	☼	87	17 - 128
o-Xylene	ND		138	120		ug/Kg	☼	87	17 - 128
Styrene	ND		138	84.4		ug/Kg	☼	61	10 - 128
Styrene	ND		138	84.4		ug/Kg	☼	61	10 - 128
Tetrachloroethene	ND		138	110		ug/Kg	☼	80	17 - 126
Tetrachloroethene	ND		138	110		ug/Kg	☼	80	17 - 126
Toluene	ND		138	107		ug/Kg	☼	78	29 - 127
Toluene	ND		138	107		ug/Kg	☼	78	29 - 127
trans-1,2-Dichloroethene	ND		138	116		ug/Kg	☼	84	32 - 134
trans-1,2-Dichloroethene	ND		138	116		ug/Kg	☼	84	32 - 134
trans-1,3-Dichloropropene	ND		138	77.2		ug/Kg	☼	56	11 - 120
trans-1,3-Dichloropropene	ND		138	77.2		ug/Kg	☼	56	11 - 120
Trichloroethene	ND		138	110		ug/Kg	☼	79	10 - 160
Trichloroethene	ND		138	110		ug/Kg	☼	79	10 - 160
Trichlorofluoromethane	ND	F1 F2	55.3	49.9		ug/Kg	☼	90	24 - 137
Trichlorofluoromethane	ND	F1 F2	55.3	49.9		ug/Kg	☼	90	24 - 137
Vinyl chloride	ND	F1	55.3	50.9		ug/Kg	☼	92	31 - 134
Vinyl chloride	ND	F1	55.3	50.9		ug/Kg	☼	92	31 - 134
Xylenes, Total	ND		276	240		ug/Kg	☼	87	10 - 137
Xylenes, Total	ND		276	240		ug/Kg	☼	87	10 - 137

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*81*		*61 - 127*
1,2-Dichloroethane-d4 (Surr)	*81*		*61 - 127*
4-Bromofluorobenzene (Surr)	*120*		*61 - 132*
4-Bromofluorobenzene (Surr)	*120*		*61 - 132*
Toluene-d8 (Surr)	*82*		*66 - 125*
Toluene-d8 (Surr)	*82*		*66 - 125*
Dibromofluoromethane (Surr)	*85*		*43 - 131*
Dibromofluoromethane (Surr)	*85*		*43 - 131*

Lab Sample ID: 240-80352-11 MSD
Matrix: Solid
Analysis Batch: 281989

Client Sample ID: SAMPLE SS10 - GRID C52
Prep Type: Total/NA
Prep Batch: 282021

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		137	151		ug/Kg	☼	111	33 - 130	30	40
1,1,2,2-Tetrachloroethane	ND	F1 F2	137	255	F1 F2 *	ug/Kg	☼	187	16 - 157	51	40
1,1,2-Trichloroethane	ND		137	157		ug/Kg	☼	115	19 - 137	34	40
1,1-Dichloroethane	ND		137	142		ug/Kg	☼	104	41 - 122	29	40
1,1-Dichloroethene	ND		137	161		ug/Kg	☼	118	30 - 139	30	40
1,2,4-Trichlorobenzene	ND		137	77.6	*	ug/Kg	☼	57	10 - 120	14	40
1,2-Dibromo-3-Chloropropane	ND		137	167	*	ug/Kg	☼	122	10 - 128	30	40
1,2-Dichlorobenzene	ND		137	138	*	ug/Kg	☼	101	10 - 120	28	40
1,2-Dichloroethane	ND		137	122		ug/Kg	☼	89	35 - 122	22	40
1,2-Dichloropropane	ND		137	137		ug/Kg	☼	100	38 - 130	24	40
1,3-Dichlorobenzene	ND		137	159	*	ug/Kg	☼	117	10 - 120	28	40
1,4-Dichlorobenzene	ND		137	151	*	ug/Kg	☼	111	10 - 120	29	40
2-Hexanone	ND		273	308		ug/Kg	☼	113	21 - 136	32	40
Acetone	ND	F1	273	363	F1	ug/Kg	☼	133	15 - 127	26	40
Benzene	ND		137	148		ug/Kg	☼	108	33 - 127	26	40
Bromoform	ND		137	123		ug/Kg	☼	90	10 - 120	24	40
Bromomethane	ND	F2	54.6	52.4	F2	ug/Kg	☼	96	13 - 138	71	40
Carbon disulfide	13	J F1	137	195	F1	ug/Kg	☼	134	15 - 131	30	40
Carbon tetrachloride	ND		137	103		ug/Kg	☼	76	17 - 127	14	40
Chlorobenzene	ND		137	139		ug/Kg	☼	102	15 - 122	25	40
Chloroethane	ND	F2	54.6	71.1	F2	ug/Kg	☼	130	15 - 148	49	40
Chloroform	ND		137	141		ug/Kg	☼	103	41 - 121	27	40
Chloromethane	ND	F1 F2	54.6	68.9	F1 F2	ug/Kg	☼	126	33 - 122	43	40
cis-1,2-Dichloroethene	ND		137	145		ug/Kg	☼	106	46 - 120	26	40
cis-1,3-Dichloropropene	ND		137	95.5		ug/Kg	☼	70	13 - 127	11	40
Dichlorobromomethane	ND		137	129		ug/Kg	☼	94	22 - 127	21	40
Dichlorodifluoromethane	ND	F1 F2	54.6	81.8	F1 F2	ug/Kg	☼	150	10 - 126	42	40
Ethylbenzene	ND		137	153		ug/Kg	☼	112	18 - 126	25	40
Ethylene Dibromide	ND		137	149		ug/Kg	☼	109	25 - 137	33	40
m-Xylene & p-Xylene	ND		137	151		ug/Kg	☼	111	10 - 136	23	40
Isopropylbenzene	ND		137	152		ug/Kg	☼	111	10 - 128	18	40
2-Butanone (MEK)	ND		273	298		ug/Kg	☼	109	29 - 127	21	40
4-Methyl-2-pentanone (MIBK)	ND		273	342		ug/Kg	☼	125	16 - 164	36	40
Methyl tert-butyl ether	ND		137	138		ug/Kg	☼	101	49 - 134	28	40
Methylene Chloride	85	J B F1	137	137		ug/Kg	☼	38	34 - 134	30	40
o-Xylene	ND		137	153		ug/Kg	☼	112	17 - 128	24	40
Styrene	ND		137	99.9		ug/Kg	☼	73	10 - 128	17	40
Tetrachloroethene	ND		137	144		ug/Kg	☼	105	17 - 126	27	40
Toluene	ND		137	149		ug/Kg	☼	109	29 - 127	33	40
trans-1,2-Dichloroethene	ND		137	154		ug/Kg	☼	113	32 - 134	28	40
trans-1,3-Dichloropropene	ND		137	99.4		ug/Kg	☼	73	11 - 120	25	40
Trichloroethene	ND		137	139		ug/Kg	☼	102	10 - 160	23	40
Trichlorofluoromethane	ND	F1 F2	54.6	81.4	F1 F2	ug/Kg	☼	149	24 - 137	48	40
Vinyl chloride	ND	F1	54.6	75.5	F1	ug/Kg	☼	138	31 - 134	39	40
Xylenes, Total	ND		273	304		ug/Kg	☼	111	10 - 137	24	40

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*82*		*61 - 127*
4-Bromofluorobenzene (Surr)	*140*	*X **	*61 - 132*
Toluene-d8 (Surr)	*91*		*66 - 125*

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

Lab Sample ID: 240-80352-11 MSD
Matrix: Solid
Analysis Batch: 281989

Client Sample ID: SAMPLE SS10 - GRID C52
Prep Type: Total/NA
Prep Batch: 282021

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Dibromofluoromethane (Surr)	*89*		*43 - 131*

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

Lab Sample ID: MB 240-283237/6
Matrix: Water
Analysis Batch: 283237

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.23	ug/L			06/15/17 11:51	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.32	ug/L			06/15/17 11:51	1
1,1,2-Trichloroethane	ND		1.0	0.34	ug/L			06/15/17 11:51	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			06/15/17 11:51	1
1,1-Dichloroethene	ND		1.0	0.27	ug/L			06/15/17 11:51	1
1,2,4-Trichlorobenzene	ND		1.0	0.27	ug/L			06/15/17 11:51	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.47	ug/L			06/15/17 11:51	1
1,2-Dichlorobenzene	ND		1.0	0.26	ug/L			06/15/17 11:51	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/15/17 11:51	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/15/17 11:51	1
1,3-Dichlorobenzene	ND		1.0	0.32	ug/L			06/15/17 11:51	1
1,4-Dichlorobenzene	ND		1.0	0.23	ug/L			06/15/17 11:51	1
2-Hexanone	ND		10	1.2	ug/L			06/15/17 11:51	1
Acetone	ND		10	1.8	ug/L			06/15/17 11:51	1
Benzene	ND		1.0	0.28	ug/L			06/15/17 11:51	1
Bromoform	ND		1.0	0.43	ug/L			06/15/17 11:51	1
Bromomethane	ND		1.0	0.42	ug/L			06/15/17 11:51	1
Carbon disulfide	ND		1.0	0.34	ug/L			06/15/17 11:51	1
Carbon tetrachloride	ND		1.0	0.35	ug/L			06/15/17 11:51	1
Chlorobenzene	ND		1.0	0.32	ug/L			06/15/17 11:51	1
Chloroethane	ND		1.0	0.41	ug/L			06/15/17 11:51	1
Chloroform	ND		1.0	0.31	ug/L			06/15/17 11:51	1
Chloromethane	ND		1.0	0.43	ug/L			06/15/17 11:51	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/15/17 11:51	1
cis-1,3-Dichloropropene	ND		1.0	0.26	ug/L			06/15/17 11:51	1
Dichlorobromomethane	ND		1.0	0.30	ug/L			06/15/17 11:51	1
Dichlorodifluoromethane	ND		1.0	0.50	ug/L			06/15/17 11:51	1
Ethylbenzene	ND		1.0	0.26	ug/L			06/15/17 11:51	1
Ethylene Dibromide	ND		1.0	0.23	ug/L			06/15/17 11:51	1
Isopropylbenzene	ND		1.0	0.21	ug/L			06/15/17 11:51	1
2-Butanone (MEK)	ND		10	1.0	ug/L			06/15/17 11:51	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.71	ug/L			06/15/17 11:51	1
Methyl tert-butyl ether	ND		1.0	0.27	ug/L			06/15/17 11:51	1
Methylene Chloride	ND		1.0	0.53	ug/L			06/15/17 11:51	1
Styrene	ND		1.0	0.23	ug/L			06/15/17 11:51	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/15/17 11:51	1
Toluene	ND		1.0	0.23	ug/L			06/15/17 11:51	1
trans-1,2-Dichloroethene	ND		1.0	0.29	ug/L			06/15/17 11:51	1
trans-1,3-Dichloropropene	ND		1.0	0.31	ug/L			06/15/17 11:51	1

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

Lab Sample ID: MB 240-283237/6
Matrix: Water
Analysis Batch: 283237

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		1.0	0.33	ug/L			06/15/17 11:51	1
Trichlorofluoromethane	ND		1.0	0.50	ug/L			06/15/17 11:51	1
Vinyl chloride	ND		1.0	0.45	ug/L			06/15/17 11:51	1
Xylenes, Total	ND		2.0	0.24	ug/L			06/15/17 11:51	1
Chlorodibromomethane	ND		1.0	0.25	ug/L			06/15/17 11:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*125*		*61 - 138*		*06/15/17 11:51*	*1*
4-Bromofluorobenzene (Surr)	*91*		*69 - 120*		*06/15/17 11:51*	*1*
Toluene-d8 (Surr)	*99*		*73 - 120*		*06/15/17 11:51*	*1*
Dibromofluoromethane (Surr)	*117*		*69 - 124*		*06/15/17 11:51*	*1*

Lab Sample ID: LCS 240-283237/4
Matrix: Water
Analysis Batch: 283237

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	10.0	14.5		ug/L		145	64 - 147
1,1,2,2-Tetrachloroethane	10.0	8.73		ug/L		87	58 - 122
1,1,2-Trichloroethane	10.0	10.5		ug/L		105	76 - 121
1,1-Dichloroethane	10.0	10.8		ug/L		108	74 - 120
1,1-Dichloroethene	10.0	10.4		ug/L		104	65 - 127
1,2,4-Trichlorobenzene	10.0	9.14		ug/L		91	34 - 141
1,2-Dibromo-3-Chloropropane	10.0	10.2		ug/L		102	50 - 130
1,2-Dichlorobenzene	10.0	9.98		ug/L		100	80 - 120
1,2-Dichloroethane	10.0	12.2		ug/L		122	68 - 133
1,2-Dichloropropane	10.0	11.3		ug/L		113	78 - 127
1,3-Dichlorobenzene	10.0	9.63		ug/L		96	80 - 120
1,4-Dichlorobenzene	10.0	9.80		ug/L		98	80 - 120
2-Hexanone	20.0	20.4		ug/L		102	28 - 169
Acetone	20.0	18.4		ug/L		92	35 - 131
Benzene	10.0	10.6		ug/L		106	79 - 120
Bromoform	10.0	10.8		ug/L		108	55 - 145
Bromomethane	10.0	15.8		ug/L		158	17 - 158
Carbon disulfide	10.0	11.5		ug/L		115	49 - 141
Carbon tetrachloride	10.0	15.2		ug/L		152	55 - 171
Chlorobenzene	10.0	10.2		ug/L		102	80 - 120
Chloroethane	10.0	14.0		ug/L		140	10 - 149
Chloroform	10.0	11.4		ug/L		114	80 - 120
Chloromethane	10.0	10.2		ug/L		102	59 - 124
cis-1,2-Dichloroethene	10.0	10.0		ug/L		100	77 - 120
cis-1,3-Dichloropropene	10.0	10.4		ug/L		104	75 - 120
Dichlorobromomethane	10.0	12.2		ug/L		122	79 - 125
Dichlorodifluoromethane	10.0	11.7		ug/L		117	42 - 141
Ethylbenzene	10.0	10.3		ug/L		103	80 - 120
Ethylene Dibromide	10.0	10.1		ug/L		101	80 - 120
m-Xylene & p-Xylene	10.0	10.2		ug/L		102	80 - 120
Isopropylbenzene	10.0	10.6		ug/L		106	80 - 128

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

Lab Sample ID: LCS 240-283237/4
Matrix: Water
Analysis Batch: 283237

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Butanone (MEK)	20.0	19.2		ug/L		96	43 - 149
4-Methyl-2-pentanone (MIBK)	20.0	20.8		ug/L		104	53 - 144
Methyl tert-butyl ether	10.0	10.7		ug/L		107	73 - 120
Methylene Chloride	10.0	10.2		ug/L		102	64 - 140
o-Xylene	10.0	10.1		ug/L		101	80 - 120
Styrene	10.0	10.4		ug/L		104	80 - 121
Tetrachloroethene	10.0	10.5		ug/L		105	80 - 122
Toluene	10.0	10.4		ug/L		104	78 - 120
trans-1,2-Dichloroethene	10.0	10.7		ug/L		107	74 - 124
trans-1,3-Dichloropropene	10.0	10.5		ug/L		105	67 - 120
Trichloroethene	10.0	10.4		ug/L		104	76 - 124
Trichlorofluoromethane	10.0	20.5	*	ug/L		205	27 - 176
Vinyl chloride	10.0	11.7		ug/L		117	65 - 124
Xylenes, Total	20.0	20.3		ug/L		102	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*118*		*61 - 138*
4-Bromofluorobenzene (Surr)	*106*		*69 - 120*
Toluene-d8 (Surr)	*108*		*73 - 120*
Dibromofluoromethane (Surr)	*112*		*69 - 124*

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

Lab Sample ID: MB 240-281609/23-A
Matrix: Solid
Analysis Batch: 281929

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 281609

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		6.7	0.76	ug/Kg		06/05/17 09:24	06/07/17 07:51	1
Acenaphthylene	ND		6.7	0.35	ug/Kg		06/05/17 09:24	06/07/17 07:51	1
Acetophenone	ND		100	9.2	ug/Kg		06/05/17 09:24	06/07/17 07:51	1
Anthracene	ND		6.7	0.78	ug/Kg		06/05/17 09:24	06/07/17 07:51	1
Benzo[a]anthracene	ND		6.7	0.63	ug/Kg		06/05/17 09:24	06/07/17 07:51	1
Benzo[a]pyrene	ND		6.7	0.64	ug/Kg		06/05/17 09:24	06/07/17 07:51	1
Benzo[b]fluoranthene	ND		6.7	0.59	ug/Kg		06/05/17 09:24	06/07/17 07:51	1
Benzo[g,h,i]perylene	ND		6.7	0.35	ug/Kg		06/05/17 09:24	06/07/17 07:51	1
Benzo[k]fluoranthene	ND		6.7	0.68	ug/Kg		06/05/17 09:24	06/07/17 07:51	1
Bis(2-chloroethoxy)methane	ND		100	22	ug/Kg		06/05/17 09:24	06/07/17 07:51	1
Bis(2-chloroethyl)ether	ND		100	2.0	ug/Kg		06/05/17 09:24	06/07/17 07:51	1
bis (2-chloroisopropyl) ether	ND		100	9.5	ug/Kg		06/05/17 09:24	06/07/17 07:51	1
Bis(2-ethylhexyl) phthalate	63.9	J	70	19	ug/Kg		06/05/17 09:24	06/07/17 07:51	1
4-Bromophenyl phenyl ether	ND		50	13	ug/Kg		06/05/17 09:24	06/07/17 07:51	1
Butyl benzyl phthalate	ND		70	10	ug/Kg		06/05/17 09:24	06/07/17 07:51	1
4-Chloroaniline	ND		150	17	ug/Kg		06/05/17 09:24	06/07/17 07:51	1
4-Chloro-3-methylphenol	ND		150	21	ug/Kg		06/05/17 09:24	06/07/17 07:51	1
2-Chloronaphthalene	ND		50	0.45	ug/Kg		06/05/17 09:24	06/07/17 07:51	1
2-Chlorophenol	ND		50	8.2	ug/Kg		06/05/17 09:24	06/07/17 07:51	1
4-Chlorophenyl phenyl ether	ND		50	13	ug/Kg		06/05/17 09:24	06/07/17 07:51	1

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

Lab Sample ID: MB 240-281609/23-A
Matrix: Solid
Analysis Batch: 281929

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 281609

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	ND		6.7	1.1	ug/Kg		06/05/17 09:24	06/07/17 07:51	1
Dibenz(a,h)anthracene	ND		6.7	0.66	ug/Kg		06/05/17 09:24	06/07/17 07:51	1
Dibenzofuran	ND		50	0.66	ug/Kg		06/05/17 09:24	06/07/17 07:51	1
3,3'-Dichlorobenzidine	ND		100	18	ug/Kg		06/05/17 09:24	06/07/17 07:51	1
2,4-Dichlorophenol	ND		150	20	ug/Kg		06/05/17 09:24	06/07/17 07:51	1
Diethyl phthalate	ND		70	16	ug/Kg		06/05/17 09:24	06/07/17 07:51	1
2,4-Dimethylphenol	ND		150	20	ug/Kg		06/05/17 09:24	06/07/17 07:51	1
Dimethyl phthalate	ND		70	17	ug/Kg		06/05/17 09:24	06/07/17 07:51	1
Di-n-butyl phthalate	ND		70	15	ug/Kg		06/05/17 09:24	06/07/17 07:51	1
4,6-Dinitro-2-methylphenol	ND		150	9.2	ug/Kg		06/05/17 09:24	06/07/17 07:51	1
2,4-Dinitrophenol	ND		330	21	ug/Kg		06/05/17 09:24	06/07/17 07:51	1
2,4-Dinitrotoluene	ND		200	17	ug/Kg		06/05/17 09:24	06/07/17 07:51	1
2,6-Dinitrotoluene	ND		200	21	ug/Kg		06/05/17 09:24	06/07/17 07:51	1
Di-n-octyl phthalate	ND		70	7.9	ug/Kg		06/05/17 09:24	06/07/17 07:51	1
Fluoranthene	ND		6.7	0.55	ug/Kg		06/05/17 09:24	06/07/17 07:51	1
Fluorene	ND		6.7	0.53	ug/Kg		06/05/17 09:24	06/07/17 07:51	1
Hexachlorobenzene	ND		6.7	2.1	ug/Kg		06/05/17 09:24	06/07/17 07:51	1
Hexachlorobutadiene	ND		50	5.6	ug/Kg		06/05/17 09:24	06/07/17 07:51	1
Hexachlorocyclopentadiene	ND		330	8.1	ug/Kg		06/05/17 09:24	06/07/17 07:51	1
Hexachloroethane	ND		50	9.0	ug/Kg		06/05/17 09:24	06/07/17 07:51	1
Indeno[1,2,3-cd]pyrene	ND		6.7	0.35	ug/Kg		06/05/17 09:24	06/07/17 07:51	1
Isophorone	ND		50	13	ug/Kg		06/05/17 09:24	06/07/17 07:51	1
2-Methylnaphthalene	ND		6.7	0.50	ug/Kg		06/05/17 09:24	06/07/17 07:51	1
2-Methylphenol	ND		200	11	ug/Kg		06/05/17 09:24	06/07/17 07:51	1
3 & 4 Methylphenol	ND		400	20	ug/Kg		06/05/17 09:24	06/07/17 07:51	1
Naphthalene	ND		6.7	0.82	ug/Kg		06/05/17 09:24	06/07/17 07:51	1
2-Nitroaniline	ND		200	9.1	ug/Kg		06/05/17 09:24	06/07/17 07:51	1
3-Nitroaniline	ND		200	16	ug/Kg		06/05/17 09:24	06/07/17 07:51	1
4-Nitroaniline	ND		200	26	ug/Kg		06/05/17 09:24	06/07/17 07:51	1
Nitrobenzene	ND		100	2.2	ug/Kg		06/05/17 09:24	06/07/17 07:51	1
2-Nitrophenol	ND		50	8.3	ug/Kg		06/05/17 09:24	06/07/17 07:51	1
4-Nitrophenol	ND		330	17	ug/Kg		06/05/17 09:24	06/07/17 07:51	1
N-Nitrosodi-n-propylamine	ND		50	6.3	ug/Kg		06/05/17 09:24	06/07/17 07:51	1
N-Nitrosodiphenylamine	ND		50	21	ug/Kg		06/05/17 09:24	06/07/17 07:51	1
Pentachlorophenol	ND		150	9.1	ug/Kg		06/05/17 09:24	06/07/17 07:51	1
Phenanthrene	ND		6.7	0.73	ug/Kg		06/05/17 09:24	06/07/17 07:51	1
Phenol	ND		50	7.3	ug/Kg		06/05/17 09:24	06/07/17 07:51	1
Pyrene	ND		6.7	0.44	ug/Kg		06/05/17 09:24	06/07/17 07:51	1
2,4,5-Trichlorophenol	ND		150	25	ug/Kg		06/05/17 09:24	06/07/17 07:51	1
2,4,6-Trichlorophenol	ND		150	8.9	ug/Kg		06/05/17 09:24	06/07/17 07:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*58*		*32 - 120*	*06/05/17 09:24*	*06/07/17 07:51*	*1*
2-Fluorophenol (Surr)	*52*		*29 - 120*	*06/05/17 09:24*	*06/07/17 07:51*	*1*
Nitrobenzene-d5 (Surr)	*54*		*30 - 120*	*06/05/17 09:24*	*06/07/17 07:51*	*1*
Phenol-d5 (Surr)	*56*		*29 - 120*	*06/05/17 09:24*	*06/07/17 07:51*	*1*
Terphenyl-d14 (Surr)	*64*		*41 - 120*	*06/05/17 09:24*	*06/07/17 07:51*	*1*
2,4,6-Tribromophenol (Surr)	*38*		*10 - 120*	*06/05/17 09:24*	*06/07/17 07:51*	*1*

Lab Sample ID: LCS 240-281609/24-A
Matrix: Solid
Analysis Batch: 282121

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 281609

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	667	422		ug/Kg		63	48 - 120
Acenaphthylene	667	405		ug/Kg		61	46 - 120
Acetophenone	667	393		ug/Kg		59	46 - 120
Anthracene	667	457		ug/Kg		69	51 - 120
Benzo[a]anthracene	667	447		ug/Kg		67	53 - 120
Benzo[a]pyrene	667	460		ug/Kg		69	50 - 120
Benzo[b]fluoranthene	667	464		ug/Kg		70	48 - 120
Benzo[g,h,i]perylene	667	476		ug/Kg		71	50 - 120
Benzo[k]fluoranthene	667	437		ug/Kg		66	51 - 120
Bis(2-chloroethoxy)methane	667	401		ug/Kg		60	50 - 120
Bis(2-chloroethyl)ether	667	359		ug/Kg		54	48 - 120
bis (2-chloroisopropyl) ether	667	366		ug/Kg		55	37 - 120
Bis(2-ethylhexyl) phthalate	667	522		ug/Kg		78	52 - 120
4-Bromophenyl phenyl ether	667	497		ug/Kg		75	51 - 120
Butyl benzyl phthalate	667	448		ug/Kg		67	53 - 120
4-Chloroaniline	667	376		ug/Kg		56	37 - 120
4-Chloro-3-methylphenol	667	460		ug/Kg		69	47 - 120
2-Chloronaphthalene	667	402		ug/Kg		60	49 - 120
2-Chlorophenol	667	404		ug/Kg		61	50 - 120
4-Chlorophenyl phenyl ether	667	449		ug/Kg		67	49 - 120
Chrysene	667	437		ug/Kg		66	54 - 120
Dibenz(a,h)anthracene	667	486		ug/Kg		73	48 - 120
Dibenzofuran	667	421		ug/Kg		63	49 - 120
3,3'-Dichlorobenzidine	1330	728		ug/Kg		55	40 - 120
2,4-Dichlorophenol	667	447		ug/Kg		67	48 - 120
Diethyl phthalate	667	445		ug/Kg		67	52 - 120
2,4-Dimethylphenol	667	351		ug/Kg		53	37 - 120
Dimethyl phthalate	667	447		ug/Kg		67	53 - 120
Di-n-butyl phthalate	667	518		ug/Kg		78	56 - 120
4,6-Dinitro-2-methylphenol	1330	668		ug/Kg		50	18 - 120
2,4-Dinitrophenol	1330	510		ug/Kg		38	10 - 120
2,4-Dinitrotoluene	667	468		ug/Kg		70	53 - 120
2,6-Dinitrotoluene	667	463		ug/Kg		69	54 - 120
Di-n-octyl phthalate	667	436		ug/Kg		65	42 - 120
Fluoranthene	667	511		ug/Kg		77	53 - 120
Fluorene	667	441		ug/Kg		66	50 - 120
Hexachlorobenzene	667	494		ug/Kg		74	46 - 120
Hexachlorobutadiene	667	431		ug/Kg		65	44 - 120
Hexachlorocyclopentadiene	667	188	J	ug/Kg		28	14 - 120
Hexachloroethane	667	385		ug/Kg		58	45 - 120
Indeno[1,2,3-cd]pyrene	667	480		ug/Kg		72	49 - 120
Isophorone	667	406		ug/Kg		61	47 - 120
2-Methylnaphthalene	667	439		ug/Kg		66	49 - 120
2-Methylphenol	667	390		ug/Kg		59	49 - 120
3 & 4 Methylphenol	667	401		ug/Kg		60	50 - 120
Naphthalene	667	417		ug/Kg		63	48 - 120
2-Nitroaniline	667	450		ug/Kg		67	46 - 120
3-Nitroaniline	667	431		ug/Kg		65	48 - 120
4-Nitroaniline	667	474		ug/Kg		71	49 - 120
Nitrobenzene	667	413		ug/Kg		62	48 - 120

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

Lab Sample ID: LCS 240-281609/24-A
Matrix: Solid
Analysis Batch: 282121

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 281609

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Nitrophenol	667	451		ug/Kg		68	46 - 120
4-Nitrophenol	1330	839		ug/Kg		63	42 - 120
N-Nitrosodi-n-propylamine	667	390		ug/Kg		59	49 - 120
N-Nitrosodiphenylamine	667	477		ug/Kg		72	53 - 120
Pentachlorophenol	1330	459		ug/Kg		34	14 - 120
Phenanthrene	667	438		ug/Kg		66	52 - 120
Phenol	667	404		ug/Kg		61	49 - 120
Pyrene	667	459		ug/Kg		69	55 - 120
2,4,5-Trichlorophenol	667	413		ug/Kg		62	34 - 120
2,4,6-Trichlorophenol	667	308		ug/Kg		46	19 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*60*		*32 - 120*
2-Fluorophenol (Surr)	*59*		*29 - 120*
Nitrobenzene-d5 (Surr)	*63*		*30 - 120*
Phenol-d5 (Surr)	*60*		*29 - 120*
Terphenyl-d14 (Surr)	*70*		*41 - 120*
2,4,6-Tribromophenol (Surr)	*48*		*10 - 120*

Lab Sample ID: 240-80352-13 MS
Matrix: Solid
Analysis Batch: 281929

Client Sample ID: SAMPLE SS11 - GRID C75
Prep Type: Total/NA
Prep Batch: 281609

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	ND	F2	3580	1960		ug/Kg	☼	55	36 - 120
Acenaphthylene	ND	F2	3580	1750		ug/Kg	☼	49	35 - 120
Acetophenone	ND	F2	3580	1580		ug/Kg	☼	44	31 - 120
Anthracene	ND	F2	3580	2000		ug/Kg	☼	56	42 - 120
Benzo[a]anthracene	ND		3580	2000		ug/Kg	☼	56	35 - 120
Benzo[a]pyrene	ND		3580	2050		ug/Kg	☼	57	33 - 120
Benzo[b]fluoranthene	41		3580	2290		ug/Kg	☼	63	26 - 120
Benzo[g,h,i]perylene	ND		3580	1200		ug/Kg	☼	34	16 - 120
Benzo[k]fluoranthene	ND		3580	2010		ug/Kg	☼	56	33 - 120
Bis(2-chloroethoxy)methane	ND	F2	3580	1640		ug/Kg	☼	46	36 - 120
Bis(2-chloroethyl)ether	ND	F2	3580	1540		ug/Kg	☼	43	33 - 120
bis (2-chloroisopropyl) ether	ND	F2	3580	1390		ug/Kg	☼	39	26 - 120
Bis(2-ethylhexyl) phthalate	430	B F2	3580	2270		ug/Kg	☼	51	40 - 120
4-Bromophenyl phenyl ether	ND		3580	2060		ug/Kg	☼	58	44 - 120
Butyl benzyl phthalate	ND		3580	1830		ug/Kg	☼	51	46 - 120
4-Chloroaniline	ND		3580	911		ug/Kg	☼	25	15 - 120
4-Chloro-3-methylphenol	ND	F2	3580	2280		ug/Kg	☼	64	31 - 120
2-Chloronaphthalene	ND	F2	3580	1750		ug/Kg	☼	49	35 - 120
2-Chlorophenol	ND	F2	3580	1710		ug/Kg	☼	48	30 - 120
4-Chlorophenyl phenyl ether	ND		3580	2030		ug/Kg	☼	57	41 - 120
Chrysene	ND		3580	1940		ug/Kg	☼	54	33 - 120
Dibenz(a,h)anthracene	ND		3580	1420		ug/Kg	☼	40	30 - 120
Dibenzofuran	ND	F2	3580	1910		ug/Kg	☼	53	37 - 120
3,3'-Dichlorobenzidine	ND	F2	7150	1790		ug/Kg	☼	25	10 - 120

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

Lab Sample ID: 240-80352-13 MS
Matrix: Solid
Analysis Batch: 281929

Client Sample ID: SAMPLE SS11 - GRID C75
Prep Type: Total/NA
Prep Batch: 281609

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-Dichlorophenol	ND	F2	3580	2110		ug/Kg	☼	59	32 - 120
Diethyl phthalate	ND	F2	3580	1940		ug/Kg	☼	54	44 - 120
2,4-Dimethylphenol	ND	F2	3580	1960		ug/Kg	☼	55	28 - 120
Dimethyl phthalate	ND		3580	1990		ug/Kg	☼	56	42 - 120
Di-n-butyl phthalate	ND	F2	3580	2170		ug/Kg	☼	61	45 - 120
4,6-Dinitro-2-methylphenol	ND	F2	7150	1570		ug/Kg	☼	22	10 - 120
2,4-Dinitrophenol	ND	F2	7150	1740	J	ug/Kg	☼	24	10 - 120
2,4-Dinitrotoluene	ND	F2	3580	2050		ug/Kg	☼	57	38 - 120
2,6-Dinitrotoluene	ND	F2	3580	2030		ug/Kg	☼	57	43 - 120
Di-n-octyl phthalate	ND	F2	3580	2150		ug/Kg	☼	60	35 - 120
Fluoranthene	63		3580	2490		ug/Kg	☼	68	26 - 121
Fluorene	ND	F2	3580	2060		ug/Kg	☼	58	36 - 120
Hexachlorobenzene	ND	F2	3580	2070		ug/Kg	☼	58	36 - 120
Hexachlorobutadiene	ND	F2	3580	1720		ug/Kg	☼	48	31 - 120
Hexachlorocyclopentadiene	ND	F1	3580	ND	F1	ug/Kg	☼	0	10 - 120
Hexachloroethane	ND	F1	3580	369	F1	ug/Kg	☼	10	15 - 120
Indeno[1,2,3-cd]pyrene	ND		3580	1400		ug/Kg	☼	39	24 - 120
Isophorone	ND	F2	3580	1680		ug/Kg	☼	47	34 - 120
2-Methylnaphthalene	ND	F2	3580	1840		ug/Kg	☼	51	31 - 120
2-Methylphenol	ND	F2	3580	1700		ug/Kg	☼	47	31 - 120
3 & 4 Methylphenol	ND	F2	3580	1810	J	ug/Kg	☼	51	33 - 120
Naphthalene	ND	F2	3580	1670		ug/Kg	☼	47	29 - 120
2-Nitroaniline	ND	F2	3580	2040		ug/Kg	☼	57	29 - 120
3-Nitroaniline	ND		3580	887	J	ug/Kg	☼	25	21 - 120
4-Nitroaniline	ND		3580	1460		ug/Kg	☼	41	23 - 120
Nitrobenzene	ND	F2	3580	1630		ug/Kg	☼	46	33 - 120
2-Nitrophenol	ND	F2	3580	1880		ug/Kg	☼	53	26 - 120
4-Nitrophenol	ND	F2	7150	4430		ug/Kg	☼	62	32 - 120
N-Nitrosodi-n-propylamine	ND	F2	3580	1620		ug/Kg	☼	45	32 - 120
N-Nitrosodiphenylamine	ND	F2	3580	1890		ug/Kg	☼	53	29 - 120
Pentachlorophenol	ND		7150	2690		ug/Kg	☼	38	10 - 120
Phenanthrene	ND		3580	2050		ug/Kg	☼	57	28 - 120
Phenol	61	J	3580	1720		ug/Kg	☼	46	21 - 120
Pyrene	45		3580	2190		ug/Kg	☼	60	28 - 120
2,4,5-Trichlorophenol	ND	F2	3580	2190		ug/Kg	☼	61	20 - 120
2,4,6-Trichlorophenol	ND		3580	2100		ug/Kg	☼	59	19 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*49*		*32 - 120*
2-Fluorophenol (Surr)	*46*		*29 - 120*
Nitrobenzene-d5 (Surr)	*46*		*30 - 120*
Phenol-d5 (Surr)	*49*		*29 - 120*
Terphenyl-d14 (Surr)	*59*		*41 - 120*
2,4,6-Tribromophenol (Surr)	*75*		*10 - 120*

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

Lab Sample ID: 240-80352-13 MSD
Matrix: Solid
Analysis Batch: 281929

Client Sample ID: SAMPLE SS11 - GRID C75
Prep Type: Total/NA
Prep Batch: 281609

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	ND	F2	3590	2720	F2	ug/Kg	☼	76	36 - 120	33	28
Acenaphthylene	ND	F2	3590	2650	F2	ug/Kg	☼	74	35 - 120	41	26
Acetophenone	ND	F2	3590	2460	F2	ug/Kg	☼	69	31 - 120	44	40
Anthracene	ND	F2	3590	2910	F2	ug/Kg	☼	81	42 - 120	37	32
Benzo[a]anthracene	ND		3590	2820		ug/Kg	☼	79	35 - 120	34	40
Benzo[a]pyrene	ND		3590	2970		ug/Kg	☼	83	33 - 120	37	40
Benzo[b]fluoranthene	41		3590	3370		ug/Kg	☼	93	26 - 120	38	40
Benzo[g,h,i]perylene	ND		3590	1780		ug/Kg	☼	50	16 - 120	39	40
Benzo[k]fluoranthene	ND		3590	2940		ug/Kg	☼	82	33 - 120	38	40
Bis(2-chloroethoxy)methane	ND	F2	3590	2500	F2	ug/Kg	☼	70	36 - 120	42	33
Bis(2-chloroethyl)ether	ND	F2	3590	2390	F2	ug/Kg	☼	67	33 - 120	43	36
bis (2-chloroisopropyl) ether	ND	F2	3590	2160	F2	ug/Kg	☼	60	26 - 120	44	31
Bis(2-ethylhexyl) phthalate	430	B F2	3590	3260	F2	ug/Kg	☼	79	40 - 120	36	28
4-Bromophenyl phenyl ether	ND		3590	3090		ug/Kg	☼	86	44 - 120	40	40
Butyl benzyl phthalate	ND		3590	2710		ug/Kg	☼	76	46 - 120	39	39
4-Chloroaniline	ND		3590	1170		ug/Kg	☼	33	15 - 120	25	36
4-Chloro-3-methylphenol	ND	F2	3590	3090	F2	ug/Kg	☼	86	31 - 120	30	25
2-Chloronaphthalene	ND	F2	3590	2530	F2	ug/Kg	☼	71	35 - 120	37	30
2-Chlorophenol	ND	F2	3590	2600	F2	ug/Kg	☼	72	30 - 120	41	37
4-Chlorophenyl phenyl ether	ND		3590	2960		ug/Kg	☼	83	41 - 120	37	40
Chrysene	ND		3590	2730		ug/Kg	☼	76	33 - 120	34	40
Dibenz(a,h)anthracene	ND		3590	2140		ug/Kg	☼	60	30 - 120	40	40
Dibenzofuran	ND	F2	3590	2770	F2	ug/Kg	☼	77	37 - 120	37	28
3,3'-Dichlorobenzidine	ND	F2	7170	3380	F2	ug/Kg	☼	47	10 - 120	61	40
2,4-Dichlorophenol	ND	F2	3590	3000	F2	ug/Kg	☼	84	32 - 120	35	32
Diethyl phthalate	ND	F2	3590	2700	F2	ug/Kg	☼	75	44 - 120	33	26
2,4-Dimethylphenol	ND	F2	3590	2820	F2	ug/Kg	☼	79	28 - 120	36	35
Dimethyl phthalate	ND		3590	2820		ug/Kg	☼	79	42 - 120	35	35
Di-n-butyl phthalate	ND	F2	3590	3270	F2	ug/Kg	☼	91	45 - 120	41	28
4,6-Dinitro-2-methylphenol	ND	F2	7170	2800	F2	ug/Kg	☼	39	10 - 120	57	40
2,4-Dinitrophenol	ND	F2	7170	2820	F2	ug/Kg	☼	39	10 - 120	48	40
2,4-Dinitrotoluene	ND	F2	3590	3000	F2	ug/Kg	☼	84	38 - 120	38	27
2,6-Dinitrotoluene	ND	F2	3590	2930	F2	ug/Kg	☼	82	43 - 120	36	31
Di-n-octyl phthalate	ND	F2	3590	3280	F2	ug/Kg	☼	92	35 - 120	42	33
Fluoranthene	63		3590	3380		ug/Kg	☼	92	26 - 121	30	40
Fluorene	ND	F2	3590	2950	F2	ug/Kg	☼	82	36 - 120	35	28
Hexachlorobenzene	ND	F2	3590	3120	F2	ug/Kg	☼	87	36 - 120	40	25
Hexachlorobutadiene	ND	F2	3590	2670	F2	ug/Kg	☼	74	31 - 120	43	35
Hexachlorocyclopentadiene	ND	F1	3590	ND	F1	ug/Kg	☼	0	10 - 120	NC	40
Hexachloroethane	ND	F1	3590	469	F1	ug/Kg	☼	13	15 - 120	24	40
Indeno[1,2,3-cd]pyrene	ND		3590	2060		ug/Kg	☼	58	24 - 120	38	40
Isophorone	ND	F2	3590	2550	F2	ug/Kg	☼	71	34 - 120	41	32
2-Methylnaphthalene	ND	F2	3590	2780	F2	ug/Kg	☼	78	31 - 120	41	33
2-Methylphenol	ND	F2	3590	2630	F2	ug/Kg	☼	73	31 - 120	43	36
3 & 4 Methylphenol	ND	F2	3590	2710	F2	ug/Kg	☼	76	33 - 120	40	29
Naphthalene	ND	F2	3590	2540	F2	ug/Kg	☼	71	29 - 120	41	34
2-Nitroaniline	ND	F2	3590	2860	F2	ug/Kg	☼	80	29 - 120	33	31
3-Nitroaniline	ND		3590	959	J	ug/Kg	☼	27	21 - 120	8	40

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

Lab Sample ID: 240-80352-13 MSD
Matrix: Solid
Analysis Batch: 281929

Client Sample ID: SAMPLE SS11 - GRID C75
Prep Type: Total/NA
Prep Batch: 281609

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4-Nitroaniline	ND		3590	1950		ug/Kg	☼	54	23 - 120	29	40
Nitrobenzene	ND	F2	3590	2560	F2	ug/Kg	☼	72	33 - 120	44	40
2-Nitrophenol	ND	F2	3590	2980	F2	ug/Kg	☼	83	26 - 120	45	38
4-Nitrophenol	ND	F2	7170	6670	F2	ug/Kg	☼	93	32 - 120	40	31
N-Nitrosodi-n-propylamine	ND	F2	3590	2450	F2	ug/Kg	☼	68	32 - 120	41	32
N-Nitrosodiphenylamine	ND	F2	3590	2730	F2	ug/Kg	☼	76	29 - 120	36	30
Pentachlorophenol	ND		7170	3790		ug/Kg	☼	53	10 - 120	34	40
Phenanthrene	ND		3590	2750		ug/Kg	☼	77	28 - 120	29	40
Phenol	61	J	3590	2590		ug/Kg	☼	70	21 - 120	40	40
Pyrene	45		3590	2950		ug/Kg	☼	81	28 - 120	30	40
2,4,5-Trichlorophenol	ND	F2	3590	3250	F2	ug/Kg	☼	91	20 - 120	39	38
2,4,6-Trichlorophenol	ND		3590	2930		ug/Kg	☼	82	19 - 120	33	36

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*70*		*32 - 120*
2-Fluorophenol (Surr)	*70*		*29 - 120*
Nitrobenzene-d5 (Surr)	*69*		*30 - 120*
Phenol-d5 (Surr)	*72*		*29 - 120*
Terphenyl-d14 (Surr)	*80*		*41 - 120*
2,4,6-Tribromophenol (Surr)	*96*		*10 - 120*

Lab Sample ID: MB 240-281795/18-A
Matrix: Solid
Analysis Batch: 282121

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 281795

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		6.7	0.76	ug/Kg		06/06/17 08:39	06/08/17 07:35	1
Acenaphthylene	ND		6.7	0.35	ug/Kg		06/06/17 08:39	06/08/17 07:35	1
Acetophenone	ND		100	9.2	ug/Kg		06/06/17 08:39	06/08/17 07:35	1
Anthracene	ND		6.7	0.78	ug/Kg		06/06/17 08:39	06/08/17 07:35	1
Benzo[a]anthracene	ND		6.7	0.63	ug/Kg		06/06/17 08:39	06/08/17 07:35	1
Benzo[a]pyrene	ND		6.7	0.64	ug/Kg		06/06/17 08:39	06/08/17 07:35	1
Benzo[b]fluoranthene	ND		6.7	0.59	ug/Kg		06/06/17 08:39	06/08/17 07:35	1
Benzo[g,h,i]perylene	ND		6.7	0.35	ug/Kg		06/06/17 08:39	06/08/17 07:35	1
Benzo[k]fluoranthene	ND		6.7	0.68	ug/Kg		06/06/17 08:39	06/08/17 07:35	1
Bis(2-chloroethoxy)methane	ND		100	22	ug/Kg		06/06/17 08:39	06/08/17 07:35	1
Bis(2-chloroethyl)ether	ND		100	2.0	ug/Kg		06/06/17 08:39	06/08/17 07:35	1
bis (2-chloroisopropyl) ether	ND		100	9.5	ug/Kg		06/06/17 08:39	06/08/17 07:35	1
Bis(2-ethylhexyl) phthalate	ND		70	19	ug/Kg		06/06/17 08:39	06/08/17 07:35	1
4-Bromophenyl phenyl ether	ND		50	13	ug/Kg		06/06/17 08:39	06/08/17 07:35	1
Butyl benzyl phthalate	ND		70	10	ug/Kg		06/06/17 08:39	06/08/17 07:35	1
4-Chloroaniline	ND		150	17	ug/Kg		06/06/17 08:39	06/08/17 07:35	1
4-Chloro-3-methylphenol	ND		150	21	ug/Kg		06/06/17 08:39	06/08/17 07:35	1
2-Chloronaphthalene	ND		50	0.45	ug/Kg		06/06/17 08:39	06/08/17 07:35	1
2-Chlorophenol	ND		50	8.2	ug/Kg		06/06/17 08:39	06/08/17 07:35	1
4-Chlorophenyl phenyl ether	ND		50	13	ug/Kg		06/06/17 08:39	06/08/17 07:35	1
Chrysene	ND		6.7	1.1	ug/Kg		06/06/17 08:39	06/08/17 07:35	1
Dibenz(a,h)anthracene	ND		6.7	0.66	ug/Kg		06/06/17 08:39	06/08/17 07:35	1

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

Lab Sample ID: MB 240-281795/18-A
Matrix: Solid
Analysis Batch: 282121

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 281795

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	ND		50	0.66	ug/Kg		06/06/17 08:39	06/08/17 07:35	1
3,3'-Dichlorobenzidine	ND		100	18	ug/Kg		06/06/17 08:39	06/08/17 07:35	1
2,4-Dichlorophenol	ND		150	20	ug/Kg		06/06/17 08:39	06/08/17 07:35	1
Diethyl phthalate	ND		70	16	ug/Kg		06/06/17 08:39	06/08/17 07:35	1
2,4-Dimethylphenol	ND		150	20	ug/Kg		06/06/17 08:39	06/08/17 07:35	1
Dimethyl phthalate	ND		70	17	ug/Kg		06/06/17 08:39	06/08/17 07:35	1
Di-n-butyl phthalate	ND		70	15	ug/Kg		06/06/17 08:39	06/08/17 07:35	1
4,6-Dinitro-2-methylphenol	ND		150	9.2	ug/Kg		06/06/17 08:39	06/08/17 07:35	1
2,4-Dinitrophenol	ND		330	21	ug/Kg		06/06/17 08:39	06/08/17 07:35	1
2,4-Dinitrotoluene	ND		200	17	ug/Kg		06/06/17 08:39	06/08/17 07:35	1
2,6-Dinitrotoluene	ND		200	21	ug/Kg		06/06/17 08:39	06/08/17 07:35	1
Di-n-octyl phthalate	ND		70	7.9	ug/Kg		06/06/17 08:39	06/08/17 07:35	1
Fluoranthene	ND		6.7	0.55	ug/Kg		06/06/17 08:39	06/08/17 07:35	1
Fluorene	ND		6.7	0.53	ug/Kg		06/06/17 08:39	06/08/17 07:35	1
Hexachlorobenzene	ND		6.7	2.1	ug/Kg		06/06/17 08:39	06/08/17 07:35	1
Hexachlorobutadiene	ND		50	5.6	ug/Kg		06/06/17 08:39	06/08/17 07:35	1
Hexachlorocyclopentadiene	ND		330	8.1	ug/Kg		06/06/17 08:39	06/08/17 07:35	1
Hexachloroethane	ND		50	9.0	ug/Kg		06/06/17 08:39	06/08/17 07:35	1
Indeno[1,2,3-cd]pyrene	ND		6.7	0.35	ug/Kg		06/06/17 08:39	06/08/17 07:35	1
Isophorone	ND		50	13	ug/Kg		06/06/17 08:39	06/08/17 07:35	1
2-Methylnaphthalene	ND		6.7	0.50	ug/Kg		06/06/17 08:39	06/08/17 07:35	1
2-Methylphenol	ND		200	11	ug/Kg		06/06/17 08:39	06/08/17 07:35	1
3 & 4 Methylphenol	ND		400	20	ug/Kg		06/06/17 08:39	06/08/17 07:35	1
Naphthalene	ND		6.7	0.82	ug/Kg		06/06/17 08:39	06/08/17 07:35	1
2-Nitroaniline	ND		200	9.1	ug/Kg		06/06/17 08:39	06/08/17 07:35	1
3-Nitroaniline	ND		200	16	ug/Kg		06/06/17 08:39	06/08/17 07:35	1
4-Nitroaniline	ND		200	26	ug/Kg		06/06/17 08:39	06/08/17 07:35	1
Nitrobenzene	ND		100	2.2	ug/Kg		06/06/17 08:39	06/08/17 07:35	1
2-Nitrophenol	ND		50	8.3	ug/Kg		06/06/17 08:39	06/08/17 07:35	1
4-Nitrophenol	ND		330	17	ug/Kg		06/06/17 08:39	06/08/17 07:35	1
N-Nitrosodi-n-propylamine	ND		50	6.3	ug/Kg		06/06/17 08:39	06/08/17 07:35	1
N-Nitrosodiphenylamine	ND		50	21	ug/Kg		06/06/17 08:39	06/08/17 07:35	1
Pentachlorophenol	ND		150	9.1	ug/Kg		06/06/17 08:39	06/08/17 07:35	1
Phenanthrene	ND		6.7	0.73	ug/Kg		06/06/17 08:39	06/08/17 07:35	1
Phenol	ND		50	7.3	ug/Kg		06/06/17 08:39	06/08/17 07:35	1
Pyrene	ND		6.7	0.44	ug/Kg		06/06/17 08:39	06/08/17 07:35	1
2,4,5-Trichlorophenol	ND		150	25	ug/Kg		06/06/17 08:39	06/08/17 07:35	1
2,4,6-Trichlorophenol	ND		150	8.9	ug/Kg		06/06/17 08:39	06/08/17 07:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*66*		*32 - 120*	*06/06/17 08:39*	*06/08/17 07:35*	*1*
2-Fluorophenol (Surr)	*57*		*29 - 120*	*06/06/17 08:39*	*06/08/17 07:35*	*1*
Nitrobenzene-d5 (Surr)	*63*		*30 - 120*	*06/06/17 08:39*	*06/08/17 07:35*	*1*
Phenol-d5 (Surr)	*62*		*29 - 120*	*06/06/17 08:39*	*06/08/17 07:35*	*1*
Terphenyl-d14 (Surr)	*74*		*41 - 120*	*06/06/17 08:39*	*06/08/17 07:35*	*1*
2,4,6-Tribromophenol (Surr)	*38*		*10 - 120*	*06/06/17 08:39*	*06/08/17 07:35*	*1*

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

Lab Sample ID: LCS 240-281795/19-A
Matrix: Solid
Analysis Batch: 282121

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 281795

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	667	536		ug/Kg		80	48 - 120
Acenaphthylene	667	510		ug/Kg		77	46 - 120
Acetophenone	667	508		ug/Kg		76	46 - 120
Anthracene	667	561		ug/Kg		84	51 - 120
Benzo[a]anthracene	667	575		ug/Kg		86	53 - 120
Benzo[a]pyrene	667	594		ug/Kg		89	50 - 120
Benzo[b]fluoranthene	667	597		ug/Kg		90	48 - 120
Benzo[g,h,i]perylene	667	618		ug/Kg		93	50 - 120
Benzo[k]fluoranthene	667	564		ug/Kg		85	51 - 120
Bis(2-chloroethoxy)methane	667	513		ug/Kg		77	50 - 120
Bis(2-chloroethyl)ether	667	456		ug/Kg		68	48 - 120
bis (2-chloroisopropyl) ether	667	460		ug/Kg		69	37 - 120
Bis(2-ethylhexyl) phthalate	667	741		ug/Kg		111	52 - 120
4-Bromophenyl phenyl ether	667	613		ug/Kg		92	51 - 120
Butyl benzyl phthalate	667	573		ug/Kg		86	53 - 120
4-Chloroaniline	667	480		ug/Kg		72	37 - 120
4-Chloro-3-methylphenol	667	566		ug/Kg		85	47 - 120
2-Chloronaphthalene	667	513		ug/Kg		77	49 - 120
2-Chlorophenol	667	523		ug/Kg		78	50 - 120
4-Chlorophenyl phenyl ether	667	562		ug/Kg		84	49 - 120
Chrysene	667	554		ug/Kg		83	54 - 120
Dibenz(a,h)anthracene	667	634		ug/Kg		95	48 - 120
Dibenzofuran	667	530		ug/Kg		80	49 - 120
3,3'-Dichlorobenzidine	1330	945		ug/Kg		71	40 - 120
2,4-Dichlorophenol	667	563		ug/Kg		84	48 - 120
Diethyl phthalate	667	554		ug/Kg		83	52 - 120
2,4-Dimethylphenol	667	487		ug/Kg		73	37 - 120
Dimethyl phthalate	667	564		ug/Kg		85	53 - 120
Di-n-butyl phthalate	667	639		ug/Kg		96	56 - 120
4,6-Dinitro-2-methylphenol	1330	912		ug/Kg		68	18 - 120
2,4-Dinitrophenol	1330	703		ug/Kg		53	10 - 120
2,4-Dinitrotoluene	667	604		ug/Kg		91	53 - 120
2,6-Dinitrotoluene	667	583		ug/Kg		88	54 - 120
Di-n-octyl phthalate	667	565		ug/Kg		85	42 - 120
Fluoranthene	667	640		ug/Kg		96	53 - 120
Fluorene	667	565		ug/Kg		85	50 - 120
Hexachlorobenzene	667	615		ug/Kg		92	46 - 120
Hexachlorobutadiene	667	562		ug/Kg		84	44 - 120
Hexachlorocyclopentadiene	667	255	J	ug/Kg		38	14 - 120
Hexachloroethane	667	489		ug/Kg		73	45 - 120
Indeno[1,2,3-cd]pyrene	667	630		ug/Kg		95	49 - 120
Isophorone	667	520		ug/Kg		78	47 - 120
2-Methylnaphthalene	667	556		ug/Kg		83	49 - 120
2-Methylphenol	667	511		ug/Kg		77	49 - 120
3 & 4 Methylphenol	667	522		ug/Kg		78	50 - 120
Naphthalene	667	533		ug/Kg		80	48 - 120
2-Nitroaniline	667	560		ug/Kg		84	46 - 120
3-Nitroaniline	667	542		ug/Kg		81	48 - 120

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

Lab Sample ID: LCS 240-281795/19-A
Matrix: Solid
Analysis Batch: 282121

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 281795

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Nitroaniline	667	631		ug/Kg		95	49 - 120
Nitrobenzene	667	530		ug/Kg		79	48 - 120
2-Nitrophenol	667	591		ug/Kg		89	46 - 120
4-Nitrophenol	1330	1110		ug/Kg		83	42 - 120
N-Nitrosodi-n-propylamine	667	498		ug/Kg		75	49 - 120
N-Nitrosodiphenylamine	667	586		ug/Kg		88	53 - 120
Pentachlorophenol	1330	629		ug/Kg		47	14 - 120
Phenanthrene	667	539		ug/Kg		81	52 - 120
Phenol	667	504		ug/Kg		76	49 - 120
Pyrene	667	593		ug/Kg		89	55 - 120
2,4,5-Trichlorophenol	667	569		ug/Kg		85	34 - 120
2,4,6-Trichlorophenol	667	475		ug/Kg		71	19 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*79*		*32 - 120*
2-Fluorophenol (Surr)	*77*		*29 - 120*
Nitrobenzene-d5 (Surr)	*82*		*30 - 120*
Phenol-d5 (Surr)	*77*		*29 - 120*
Terphenyl-d14 (Surr)	*92*		*41 - 120*
2,4,6-Tribromophenol (Surr)	*79*		*10 - 120*

Lab Sample ID: 240-80352-2MS
Matrix: Solid
Analysis Batch: 282121

Client Sample ID: SAMPLE SS1 - GRID A50
Prep Type: Total/NA
Prep Batch: 281795

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	230		2230	2050		ug/Kg	☼	81	36 - 120
Acenaphthylene	94	J	2230	1900		ug/Kg	☼	81	35 - 120
Acetophenone	ND		2230	1820	J	ug/Kg	☼	82	31 - 120
Anthracene	470		2230	2220		ug/Kg	☼	78	42 - 120
Benzo[a]anthracene	1600		2230	2900		ug/Kg	☼	57	35 - 120
Benzo[a]pyrene	1800		2230	2840		ug/Kg	☼	46	33 - 120
Benzo[b]fluoranthene	3200		2230	4210		ug/Kg	☼	45	26 - 120
Benzo[g,h,i]perylene	750	F1	2230	1090	F1	ug/Kg	☼	15	16 - 120
Benzo[k]fluoranthene	1300		2230	3070		ug/Kg	☼	80	33 - 120
Bis(2-chloroethoxy)methane	ND		2230	1780	J	ug/Kg	☼	80	36 - 120
Bis(2-chloroethyl)ether	ND		2230	1660	J	ug/Kg	☼	75	33 - 120
bis (2-chloroisopropyl) ether	ND		2230	1560	J	ug/Kg	☼	70	26 - 120
Bis(2-ethylhexyl) phthalate	6600	F1	2230	6320	F1	ug/Kg	☼	-13	40 - 120
4-Bromophenyl phenyl ether	ND		2230	2030		ug/Kg	☼	91	44 - 120
Butyl benzyl phthalate	ND		2230	2160		ug/Kg	☼	97	46 - 120
4-Chloroaniline	ND		2230	1450	J	ug/Kg	☼	65	15 - 120
4-Chloro-3-methylphenol	ND		2230	2340	J	ug/Kg	☼	105	31 - 120
2-Chloronaphthalene	ND		2230	1840		ug/Kg	☼	82	35 - 120
2-Chlorophenol	ND		2230	1840		ug/Kg	☼	83	30 - 120
4-Chlorophenyl phenyl ether	ND		2230	1980		ug/Kg	☼	89	41 - 120
Chrysene	2200		2230	3180		ug/Kg	☼	45	33 - 120
Dibenz(a,h)anthracene	ND		2230	1050		ug/Kg	☼	47	30 - 120

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

Lab Sample ID: 240-80352-2MS
Matrix: Solid
Analysis Batch: 282121

Client Sample ID: SAMPLE SS1 - GRID A50
Prep Type: Total/NA
Prep Batch: 281795

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Dibenzofuran	220	J	2230	2070		ug/Kg	☼	83	37 - 120
3,3'-Dichlorobenzidine	ND		4450	2660		ug/Kg	☼	60	10 - 120
2,4-Dichlorophenol	ND		2230	2060	J	ug/Kg	☼	93	32 - 120
Diethyl phthalate	ND		2230	2100		ug/Kg	☼	94	44 - 120
2,4-Dimethylphenol	ND		2230	1990	J	ug/Kg	☼	89	28 - 120
Dimethyl phthalate	ND		2230	2020		ug/Kg	☼	91	42 - 120
Di-n-butyl phthalate	ND		2230	2080		ug/Kg	☼	93	45 - 120
4,6-Dinitro-2-methylphenol	ND		4450	1600	J	ug/Kg	☼	36	10 - 120
2,4-Dinitrophenol	ND	F1	4450	ND	F1	ug/Kg	☼	0	10 - 120
2,4-Dinitrotoluene	ND		2230	1660	J	ug/Kg	☼	75	38 - 120
2,6-Dinitrotoluene	ND		2230	1670	J	ug/Kg	☼	75	43 - 120
Di-n-octyl phthalate	ND	F1	2230	3220	F1	ug/Kg	☼	145	35 - 120
Fluoranthene	4500	F1	2230	5030	F1	ug/Kg	☼	24	26 - 121
Fluorene	230		2230	2180		ug/Kg	☼	88	36 - 120
Hexachlorobenzene	ND		2230	1850		ug/Kg	☼	83	36 - 120
Hexachlorobutadiene	ND		2230	1790		ug/Kg	☼	80	31 - 120
Hexachlorocyclopentadiene	ND	F1	2230	ND	F1	ug/Kg	☼	0	10 - 120
Hexachloroethane	ND	F1	2230	287	J F1	ug/Kg	☼	13	15 - 120
Indeno[1,2,3-cd]pyrene	690	F1	2230	1240		ug/Kg	☼	25	24 - 120
Isophorone	ND		2230	1880		ug/Kg	☼	84	34 - 120
2-Methylnaphthalene	850		2230	2520		ug/Kg	☼	75	31 - 120
2-Methylphenol	ND		2230	1880	J	ug/Kg	☼	85	31 - 120
3 & 4 Methylphenol	ND		2230	1970	J	ug/Kg	☼	89	33 - 120
Naphthalene	590		2230	2150		ug/Kg	☼	70	29 - 120
2-Nitroaniline	ND		2230	1870	J	ug/Kg	☼	84	29 - 120
3-Nitroaniline	ND		2230	1820	J	ug/Kg	☼	82	21 - 120
4-Nitroaniline	ND		2230	1830	J	ug/Kg	☼	82	23 - 120
Nitrobenzene	ND		2230	1740	J	ug/Kg	☼	78	33 - 120
2-Nitrophenol	ND		2230	1570		ug/Kg	☼	70	26 - 120
4-Nitrophenol	ND		4450	4370	J	ug/Kg	☼	98	32 - 120
N-Nitrosodi-n-propylamine	ND		2230	1770		ug/Kg	☼	79	32 - 120
N-Nitrosodiphenylamine	980	J	2230	2560		ug/Kg	☼	71	29 - 120
Pentachlorophenol	ND		4450	4380		ug/Kg	☼	98	10 - 120
Phenanthrene	1900		2230	3000		ug/Kg	☼	51	28 - 120
Phenol	ND		2230	1800		ug/Kg	☼	81	21 - 120
Pyrene	3600		2230	4660		ug/Kg	☼	46	28 - 120
2,4,5-Trichlorophenol	ND		2230	2100	J	ug/Kg	☼	94	20 - 120
2,4,6-Trichlorophenol	ND		2230	2240	J	ug/Kg	☼	101	19 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*85*		*32 - 120*
2-Fluorophenol (Surr)	*77*		*29 - 120*
Nitrobenzene-d5 (Surr)	*77*		*30 - 120*
Phenol-d5 (Surr)	*82*		*29 - 120*
Terphenyl-d14 (Surr)	*96*		*41 - 120*
2,4,6-Tribromophenol (Surr)	*103*		*10 - 120*

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

Lab Sample ID: 240-80352-2MSD
Matrix: Solid
Analysis Batch: 282121

Client Sample ID: SAMPLE SS1 - GRID A50
Prep Type: Total/NA
Prep Batch: 281795

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	230		2220	1900		ug/Kg	☼	75	36 - 120	7	28
Acenaphthylene	94	J	2220	1730		ug/Kg	☼	74	35 - 120	9	26
Acetophenone	ND		2220	1840	J	ug/Kg	☼	83	31 - 120	1	40
Anthracene	470		2220	2060		ug/Kg	☼	72	42 - 120	7	32
Benzo[a]anthracene	1600		2220	2550		ug/Kg	☼	42	35 - 120	13	40
Benzo[a]pyrene	1800		2220	2620		ug/Kg	☼	36	33 - 120	8	40
Benzo[b]fluoranthene	3200		2220	4070		ug/Kg	☼	39	26 - 120	3	40
Benzo[g,h,i]perylene	750	F1	2220	1010	F1	ug/Kg	☼	12	16 - 120	7	40
Benzo[k]fluoranthene	1300		2220	2630		ug/Kg	☼	60	33 - 120	16	40
Bis(2-chloroethoxy)methane	ND		2220	1800	J	ug/Kg	☼	81	36 - 120	1	33
Bis(2-chloroethyl)ether	ND		2220	1670	J	ug/Kg	☼	75	33 - 120	0	36
bis (2-chloroisopropyl) ether	ND		2220	1460	J	ug/Kg	☼	66	26 - 120	7	31
Bis(2-ethylhexyl) phthalate	6600	F1	2220	7330	F1	ug/Kg	☼	33	40 - 120	15	28
4-Bromophenyl phenyl ether	ND		2220	1720		ug/Kg	☼	77	44 - 120	17	40
Butyl benzyl phthalate	ND		2220	1950		ug/Kg	☼	88	46 - 120	10	39
4-Chloroaniline	ND		2220	1660	J	ug/Kg	☼	75	15 - 120	14	36
4-Chloro-3-methylphenol	ND		2220	2380	J	ug/Kg	☼	107	31 - 120	2	25
2-Chloronaphthalene	ND		2220	1710		ug/Kg	☼	77	35 - 120	7	30
2-Chlorophenol	ND		2220	1870		ug/Kg	☼	84	30 - 120	1	37
4-Chlorophenyl phenyl ether	ND		2220	1720		ug/Kg	☼	77	41 - 120	14	40
Chrysene	2200		2220	2950		ug/Kg	☼	35	33 - 120	8	40
Dibenz(a,h)anthracene	ND		2220	894		ug/Kg	☼	40	30 - 120	16	40
Dibenzofuran	220	J	2220	1910		ug/Kg	☼	76	37 - 120	8	28
3,3'-Dichlorobenzidine	ND		4440	2890		ug/Kg	☼	65	10 - 120	8	40
2,4-Dichlorophenol	ND		2220	2060	J	ug/Kg	☼	93	32 - 120	0	32
Diethyl phthalate	ND		2220	1910		ug/Kg	☼	86	44 - 120	10	26
2,4-Dimethylphenol	ND		2220	2130	J	ug/Kg	☼	96	28 - 120	7	35
Dimethyl phthalate	ND		2220	1970		ug/Kg	☼	89	42 - 120	3	35
Di-n-butyl phthalate	ND		2220	1770		ug/Kg	☼	80	45 - 120	16	28
4,6-Dinitro-2-methylphenol	ND		4440	1600	J	ug/Kg	☼	36	10 - 120	0	40
2,4-Dinitrophenol	ND	F1	4440	4210	J	ug/Kg	☼	95	10 - 120	NC	40
2,4-Dinitrotoluene	ND		2220	1390	J	ug/Kg	☼	62	38 - 120	18	27
2,6-Dinitrotoluene	ND		2220	1440	J	ug/Kg	☼	65	43 - 120	15	31
Di-n-octyl phthalate	ND	F1	2220	2890	F1	ug/Kg	☼	130	35 - 120	11	33
Fluoranthene	4500	F1	2220	5000	F1	ug/Kg	☼	22	26 - 121	1	40
Fluorene	230		2220	1940		ug/Kg	☼	77	36 - 120	12	28
Hexachlorobenzene	ND		2220	1700		ug/Kg	☼	76	36 - 120	9	25
Hexachlorobutadiene	ND		2220	1650		ug/Kg	☼	74	31 - 120	8	35
Hexachlorocyclopentadiene	ND	F1	2220	ND	F1	ug/Kg	☼	0	10 - 120	NC	40
Hexachloroethane	ND	F1	2220	232	J F1	ug/Kg	☼	10	15 - 120	21	40
Indeno[1,2,3-cd]pyrene	690	F1	2220	1140	F1	ug/Kg	☼	20	24 - 120	8	40
Isophorone	ND		2220	2080		ug/Kg	☼	94	34 - 120	10	32
2-Methylnaphthalene	850		2220	2610		ug/Kg	☼	80	31 - 120	4	33
2-Methylphenol	ND		2220	1900	J	ug/Kg	☼	85	31 - 120	1	36
3 & 4 Methylphenol	ND		2220	2010	J	ug/Kg	☼	90	33 - 120	2	29
Naphthalene	590		2220	2310		ug/Kg	☼	78	29 - 120	7	34
2-Nitroaniline	ND		2220	1870	J	ug/Kg	☼	84	29 - 120	0	31
3-Nitroaniline	ND		2220	2190	J	ug/Kg	☼	98	21 - 120	19	40

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

Lab Sample ID: 240-80352-2MSD
Matrix: Solid
Analysis Batch: 282121

Client Sample ID: SAMPLE SS1 - GRID A50
Prep Type: Total/NA
Prep Batch: 281795

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4-Nitroaniline	ND		2220	1920	J	ug/Kg	☼	86	23 - 120	5	40
Nitrobenzene	ND		2220	1690	J	ug/Kg	☼	76	33 - 120	3	40
2-Nitrophenol	ND		2220	1320		ug/Kg	☼	60	26 - 120	17	38
4-Nitrophenol	ND		4440	4130	J	ug/Kg	☼	93	32 - 120	6	31
N-Nitrosodi-n-propylamine	ND		2220	1710		ug/Kg	☼	77	32 - 120	3	32
N-Nitrosodiphenylamine	980	J	2220	3080		ug/Kg	☼	95	29 - 120	18	30
Pentachlorophenol	ND		4440	4350		ug/Kg	☼	98	10 - 120	1	40
Phenanthrene	1900		2220	2980		ug/Kg	☼	51	28 - 120	1	40
Phenol	ND		2220	1860		ug/Kg	☼	84	21 - 120	3	40
Pyrene	3600		2220	4560		ug/Kg	☼	42	28 - 120	2	40
2,4,5-Trichlorophenol	ND		2220	2080	J	ug/Kg	☼	94	20 - 120	1	38
2,4,6-Trichlorophenol	ND		2220	2240	J	ug/Kg	☼	101	19 - 120	0	36

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*76*		*32 - 120*
2-Fluorophenol (Surr)	*78*		*29 - 120*
Nitrobenzene-d5 (Surr)	*71*		*30 - 120*
Phenol-d5 (Surr)	*83*		*29 - 120*
Terphenyl-d14 (Surr)	*84*		*41 - 120*
2,4,6-Tribromophenol (Surr)	*99*		*10 - 120*

Lab Sample ID: 240-80352-2 DU
Matrix: Solid
Analysis Batch: 282121

Client Sample ID: SAMPLE SS1 - GRID A50
Prep Type: Total/NA
Prep Batch: 281795

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Acenaphthene	230		157		ug/Kg	☼	39	
Acenaphthylene	94	J	ND		ug/Kg	☼	NC	
Acetophenone	ND		ND		ug/Kg	☼	NC	
Anthracene	470		315		ug/Kg	☼	40	
Benzo[a]anthracene	1600		984		ug/Kg	☼	49	
Benzo[a]pyrene	1800		1040		ug/Kg	☼	55	
Benzo[b]fluoranthene	3200		1850		ug/Kg	☼	53	
Benzo[g,h,i]perylene	750	F1	487		ug/Kg	☼	43	
Benzo[k]fluoranthene	1300		653		ug/Kg	☼	65	
Bis(2-chloroethoxy)methane	ND		ND		ug/Kg	☼	NC	
Bis(2-chloroethyl)ether	ND		ND		ug/Kg	☼	NC	
bis (2-chloroisopropyl) ether	ND		ND		ug/Kg	☼	NC	
Bis(2-ethylhexyl) phthalate	6600	F1	4020		ug/Kg	☼	49	
4-Bromophenyl phenyl ether	ND		ND		ug/Kg	☼	NC	
Butyl benzyl phthalate	ND		ND		ug/Kg	☼	NC	
4-Chloroaniline	ND		ND		ug/Kg	☼	NC	
4-Chloro-3-methylphenol	ND		ND		ug/Kg	☼	NC	
2-Chloronaphthalene	ND		ND		ug/Kg	☼	NC	
2-Chlorophenol	ND		ND		ug/Kg	☼	NC	
4-Chlorophenyl phenyl ether	ND		ND		ug/Kg	☼	NC	
Chrysene	2200		1350		ug/Kg	☼	47	
Dibenz(a,h)anthracene	ND		ND		ug/Kg	☼	NC	

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

Lab Sample ID: 240-80352-2 DU
Matrix: Solid
Analysis Batch: 282121

Client Sample ID: SAMPLE SS1 - GRID A50
Prep Type: Total/NA
Prep Batch: 281795

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Dibenzofuran	220	J	148	J	ug/Kg	☼	40	
3,3'-Dichlorobenzidine	ND		ND		ug/Kg	☼	NC	
2,4-Dichlorophenol	ND		ND		ug/Kg	☼	NC	
Diethyl phthalate	ND		ND		ug/Kg	☼	NC	
2,4-Dimethylphenol	ND		ND		ug/Kg	☼	NC	
Dimethyl phthalate	ND		ND		ug/Kg	☼	NC	
Di-n-butyl phthalate	ND		ND		ug/Kg	☼	NC	
4,6-Dinitro-2-methylphenol	ND		ND		ug/Kg	☼	NC	
2,4-Dinitrophenol	ND	F1	ND		ug/Kg	☼	NC	
2,4-Dinitrotoluene	ND		ND		ug/Kg	☼	NC	
2,6-Dinitrotoluene	ND		ND		ug/Kg	☼	NC	
Di-n-octyl phthalate	ND	F1	ND		ug/Kg	☼	NC	
Fluoranthene	4500	F1	2700		ug/Kg	☼	50	
Fluorene	230		160		ug/Kg	☼	35	
Hexachlorobenzene	ND		ND		ug/Kg	☼	NC	
Hexachlorobutadiene	ND		ND		ug/Kg	☼	NC	
Hexachlorocyclopentadiene	ND	F1	ND		ug/Kg	☼	NC	
Hexachloroethane	ND	F1	ND		ug/Kg	☼	NC	
Indeno[1,2,3-cd]pyrene	690	F1	435		ug/Kg	☼	45	
Isophorone	ND		ND		ug/Kg	☼	NC	
2-Methylnaphthalene	850		569		ug/Kg	☼	39	
2-Methylphenol	ND		ND		ug/Kg	☼	NC	
3 & 4 Methylphenol	ND		ND		ug/Kg	☼	NC	
Naphthalene	590		387		ug/Kg	☼	41	
2-Nitroaniline	ND		ND		ug/Kg	☼	NC	
3-Nitroaniline	ND		ND		ug/Kg	☼	NC	
4-Nitroaniline	ND		ND		ug/Kg	☼	NC	
Nitrobenzene	ND		ND		ug/Kg	☼	NC	
2-Nitrophenol	ND		ND		ug/Kg	☼	NC	
4-Nitrophenol	ND		ND		ug/Kg	☼	NC	
N-Nitrosodi-n-propylamine	ND		ND		ug/Kg	☼	NC	
N-Nitrosodiphenylamine	980	J	ND		ug/Kg	☼	NC	
Pentachlorophenol	ND		ND		ug/Kg	☼	NC	
Phenanthrene	1900		1150		ug/Kg	☼	47	
Phenol	ND		ND		ug/Kg	☼	NC	
Pyrene	3600		2290		ug/Kg	☼	45	
2,4,5-Trichlorophenol	ND		ND		ug/Kg	☼	NC	
2,4,6-Trichlorophenol	ND		ND		ug/Kg	☼	NC	

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*85*		*32 - 120*
2-Fluorophenol (Surr)	*83*		*29 - 120*
Nitrobenzene-d5 (Surr)	*77*		*30 - 120*
Phenol-d5 (Surr)	*87*		*29 - 120*
Terphenyl-d14 (Surr)	*90*		*41 - 120*
2,4,6-Tribromophenol (Surr)	*98*		*10 - 120*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 240-282410/22-A
Matrix: Solid
Analysis Batch: 282786

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 282410

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C20	ND		50	15	mg/Kg		06/09/17 10:51	06/13/17 16:56	1
C20-C34	ND		50	15	mg/Kg		06/09/17 10:51	06/13/17 16:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*102*		*40 - 160*	*06/09/17 10:51*	*06/13/17 16:56*	*1*

Lab Sample ID: LCS 240-282410/23-A
Matrix: Solid
Analysis Batch: 282786

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 282410

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10 - C28]	250	230		mg/Kg		92	52 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl (Surr)	*96*		*40 - 160*

Lab Sample ID: 240-80352-2MS
Matrix: Solid
Analysis Batch: 282786

Client Sample ID: SAMPLE SS1 - GRID A50
Prep Type: Total/NA
Prep Batch: 282410

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10 - C28]	5300		826	3440	4	mg/Kg	☼	-226	10 - 124

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
o-Terphenyl (Surr)	*26*	*X*	*40 - 160*

Lab Sample ID: 240-80352-2MSD
Matrix: Solid
Analysis Batch: 282786

Client Sample ID: SAMPLE SS1 - GRID A50
Prep Type: Total/NA
Prep Batch: 282410

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10 - C28]	5300		838	2850	4	mg/Kg	☼	-293	10 - 124	19	40

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
o-Terphenyl (Surr)	*48*		*40 - 160*

Method: 8081A - Organochlorine Pesticides (GC)

Lab Sample ID: MB 240-281803/15-A
Matrix: Solid
Analysis Batch: 282394

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 281803

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		5.1	2.4	ug/Kg		06/06/17 09:50	06/09/17 15:30	1

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

Lab Sample ID: MB 240-281803/15-A
Matrix: Solid
Analysis Batch: 282394

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 281803

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	ND		5.1	1.6	ug/Kg		06/06/17 09:50	06/09/17 15:30	1
alpha-Chlordane	ND		5.1	3.8	ug/Kg		06/06/17 09:50	06/09/17 15:30	1
beta-BHC	ND		5.1	3.9	ug/Kg		06/06/17 09:50	06/09/17 15:30	1
4,4'-DDD	ND		5.1	3.3	ug/Kg		06/06/17 09:50	06/09/17 15:30	1
4,4'-DDE	ND		5.1	1.2	ug/Kg		06/06/17 09:50	06/09/17 15:30	1
4,4'-DDT	ND		5.1	1.4	ug/Kg		06/06/17 09:50	06/09/17 15:30	1
delta-BHC	ND		5.1	1.3	ug/Kg		06/06/17 09:50	06/09/17 15:30	1
Dieldrin	ND		5.1	0.90	ug/Kg		06/06/17 09:50	06/09/17 15:30	1
Endosulfan I	ND		5.1	1.3	ug/Kg		06/06/17 09:50	06/09/17 15:30	1
Endosulfan II	ND		5.1	1.8	ug/Kg		06/06/17 09:50	06/09/17 15:30	1
Endosulfan sulfate	ND		5.1	1.2	ug/Kg		06/06/17 09:50	06/09/17 15:30	1
Endrin	ND		5.1	1.4	ug/Kg		06/06/17 09:50	06/09/17 15:30	1
Endrin aldehyde	ND		5.1	1.8	ug/Kg		06/06/17 09:50	06/09/17 15:30	1
Endrin ketone	ND		5.1	1.1	ug/Kg		06/06/17 09:50	06/09/17 15:30	1
gamma-BHC (Lindane)	ND		5.1	2.9	ug/Kg		06/06/17 09:50	06/09/17 15:30	1
gamma-Chlordane	ND		5.1	1.5	ug/Kg		06/06/17 09:50	06/09/17 15:30	1
Heptachlor	ND		5.1	0.78	ug/Kg		06/06/17 09:50	06/09/17 15:30	1
Heptachlor epoxide	ND		5.1	2.4	ug/Kg		06/06/17 09:50	06/09/17 15:30	1
Methoxychlor	ND		9.9	1.2	ug/Kg		06/06/17 09:50	06/09/17 15:30	1
Toxaphene	ND		100	37	ug/Kg		06/06/17 09:50	06/09/17 15:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*63*		*13 - 135*	*06/06/17 09:50*	*06/09/17 15:30*	*1*
DCB Decachlorobiphenyl	*72*		*13 - 135*	*06/06/17 09:50*	*06/09/17 15:30*	*1*
Tetrachloro-m-xylene	*61*		*30 - 120*	*06/06/17 09:50*	*06/09/17 15:30*	*1*
Tetrachloro-m-xylene	*56*		*30 - 120*	*06/06/17 09:50*	*06/09/17 15:30*	*1*

Lab Sample ID: LCS 240-281803/16-A
Matrix: Solid
Analysis Batch: 282394

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 281803

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	100	62.3		ug/Kg		62	36 - 120
alpha-BHC	100	89.2		ug/Kg		89	48 - 120
alpha-Chlordane	100	76.1		ug/Kg		76	44 - 120
beta-BHC	100	69.5		ug/Kg		69	45 - 120
4,4'-DDD	100	80.9		ug/Kg		81	48 - 120
4,4'-DDE	100	70.1		ug/Kg		70	46 - 120
4,4'-DDT	100	83.0		ug/Kg		83	48 - 120
delta-BHC	100	38.3	p	ug/Kg		38	33 - 120
Dieldrin	100	74.0		ug/Kg		74	47 - 120
Endosulfan I	100	51.4		ug/Kg		51	28 - 120
Endosulfan II	100	64.2		ug/Kg		64	39 - 120
Endosulfan sulfate	100	75.5		ug/Kg		76	46 - 120
Endrin	100	73.8		ug/Kg		74	28 - 136
Endrin aldehyde	100	78.4		ug/Kg		78	38 - 120
Endrin ketone	100	81.7		ug/Kg		82	44 - 120
gamma-BHC (Lindane)	100	80.0		ug/Kg		80	39 - 120

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

Lab Sample ID: LCS 240-281803/16-A
Matrix: Solid
Analysis Batch: 282394

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 281803

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
gamma-Chlordane	100	77.8		ug/Kg		78	46 - 120
Heptachlor	100	81.0		ug/Kg		81	48 - 120
Heptachlor epoxide	100	76.1		ug/Kg		76	51 - 120
Methoxychlor	100	75.2		ug/Kg		75	38 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*88*		*13 - 135*
DCB Decachlorobiphenyl	*77*		*13 - 135*
Tetrachloro-m-xylene	*75*		*30 - 120*
Tetrachloro-m-xylene	*72*		*30 - 120*

Lab Sample ID: 240-80352-2MS
Matrix: Solid
Analysis Batch: 282394

Client Sample ID: SAMPLE SS1 - GRID A50
Prep Type: Total/NA
Prep Batch: 281803

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	ND		330	338		ug/Kg	☼	102	15 - 120
alpha-BHC	ND		330	261		ug/Kg	☼	79	30 - 120
alpha-Chlordane	18		330	309		ug/Kg	☼	88	28 - 120
beta-BHC	ND		330	270		ug/Kg	☼	82	20 - 120
4,4'-DDD	ND		330	188	p	ug/Kg	☼	57	27 - 120
4,4'-DDE	12	J p	330	381	p	ug/Kg	☼	112	25 - 120
4,4'-DDT	ND	F1	330	84.5	p	ug/Kg	☼	26	19 - 125
delta-BHC	ND	F1	330	35.2	F1	ug/Kg	☼	11	20 - 120
Dieldrin	ND		330	276		ug/Kg	☼	84	29 - 120
Endosulfan I	ND		330	253		ug/Kg	☼	77	10 - 120
Endosulfan II	ND		330	195	p	ug/Kg	☼	59	21 - 120
Endosulfan sulfate	ND	F1 F2	330	11.7	J p F1	ug/Kg	☼	4	27 - 120
Endrin	ND		330	326		ug/Kg	☼	99	26 - 129
Endrin ketone	ND		330	183		ug/Kg	☼	55	28 - 120
gamma-BHC (Lindane)	ND		330	158		ug/Kg	☼	48	27 - 120
gamma-Chlordane	16	J	330	325		ug/Kg	☼	94	29 - 120
Heptachlor	ND		330	276		ug/Kg	☼	84	35 - 120
Heptachlor epoxide	ND		330	312		ug/Kg	☼	94	32 - 120
Methoxychlor	ND		330	156	p	ug/Kg	☼	47	26 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*211*	*X*	*13 - 135*
DCB Decachlorobiphenyl	*235*	*X*	*13 - 135*
Tetrachloro-m-xylene	*98*		*30 - 120*
Tetrachloro-m-xylene	*123*	*X*	*30 - 120*

Lab Sample ID: 240-80352-2MS
Matrix: Solid
Analysis Batch: 282735

Client Sample ID: SAMPLE SS1 - GRID A50
Prep Type: Total/NA
Prep Batch: 281803

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Endrin aldehyde	ND		330	277	J	ug/Kg	☼	84	18 - 120

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl	152	X	13 - 135
DCB Decachlorobiphenyl	205	X	13 - 135
Tetrachloro-m-xylene	156	X	30 - 120
Tetrachloro-m-xylene	145	X	30 - 120

Lab Sample ID: 240-80352-2MSD
Matrix: Solid
Analysis Batch: 282394

Client Sample ID: SAMPLE SS1 - GRID A50
Prep Type: Total/NA
Prep Batch: 281803

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aldrin	ND		326	293		ug/Kg	☼	90	15 - 120	14	40
alpha-BHC	ND		326	230		ug/Kg	☼	71	30 - 120	13	40
alpha-Chlordane	18		326	274		ug/Kg	☼	78	28 - 120	12	40
beta-BHC	ND		326	273		ug/Kg	☼	84	20 - 120	1	40
4,4'-DDD	ND		326	188	p	ug/Kg	☼	58	27 - 120	0	40
4,4'-DDE	12	J p	326	317	p	ug/Kg	☼	94	25 - 120	18	40
4,4'-DDT	ND	F1	326	59.4	p F1	ug/Kg	☼	18	19 - 125	35	40
delta-BHC	ND	F1	326	37.0	F1	ug/Kg	☼	11	20 - 120	5	40
Dieldrin	ND		326	257		ug/Kg	☼	79	29 - 120	7	40
Endosulfan I	ND		326	212		ug/Kg	☼	65	10 - 120	18	40
Endosulfan II	ND		326	193	p	ug/Kg	☼	59	21 - 120	1	40
Endosulfan sulfate	ND	F1 F2	326	20.3	p F1 F2	ug/Kg	☼	6	27 - 120	54	40
Endrin	ND		326	315		ug/Kg	☼	97	26 - 129	4	40
Endrin ketone	ND		326	171		ug/Kg	☼	53	28 - 120	7	40
gamma-BHC (Lindane)	ND		326	140		ug/Kg	☼	43	27 - 120	12	40
gamma-Chlordane	16	J	326	289	p	ug/Kg	☼	84	29 - 120	12	40
Heptachlor	ND		326	199	p	ug/Kg	☼	61	35 - 120	33	40
Heptachlor epoxide	ND		326	286		ug/Kg	☼	88	32 - 120	8	40
Methoxychlor	ND		326	128	p	ug/Kg	☼	39	26 - 120	20	40

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl	210	X	13 - 135
DCB Decachlorobiphenyl	217	X	13 - 135
Tetrachloro-m-xylene	91		30 - 120
Tetrachloro-m-xylene	117		30 - 120

Lab Sample ID: 240-80352-2MSD
Matrix: Solid
Analysis Batch: 282735

Client Sample ID: SAMPLE SS1 - GRID A50
Prep Type: Total/NA
Prep Batch: 281803

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Endrin aldehyde	ND		326	219	J	ug/Kg	☼	67	18 - 120	23	40

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl	112		13 - 135
DCB Decachlorobiphenyl	148	X	13 - 135
Tetrachloro-m-xylene	116		30 - 120
Tetrachloro-m-xylene	64		30 - 120

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

Lab Sample ID: 240-80352-2 DU
Matrix: Solid
Analysis Batch: 282394

Client Sample ID: SAMPLE SS1 - GRID A50
Prep Type: Total/NA
Prep Batch: 281803

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Aldrin	ND		ND		ug/Kg	☼	NC	
alpha-BHC	ND		ND		ug/Kg	☼	NC	
alpha-Chlordane	18		16.8	J	ug/Kg	☼	9	
beta-BHC	ND		ND		ug/Kg	☼	NC	
4,4'-DDD	ND		ND		ug/Kg	☼	NC	
4,4'-DDE	12	J p	12.3	J p	ug/Kg	☼	0.7	
4,4'-DDT	ND	F1	ND		ug/Kg	☼	NC	
delta-BHC	ND	F1	ND		ug/Kg	☼	NC	
Dieldrin	ND		ND		ug/Kg	☼	NC	
Endosulfan I	ND		ND		ug/Kg	☼	NC	
Endosulfan II	ND		ND		ug/Kg	☼	NC	
Endosulfan sulfate	ND	F1 F2	ND		ug/Kg	☼	NC	
Endrin	ND		ND		ug/Kg	☼	NC	
Endrin aldehyde	ND		ND		ug/Kg	☼	NC	
Endrin ketone	ND		ND		ug/Kg	☼	NC	
gamma-BHC (Lindane)	ND		ND		ug/Kg	☼	NC	
gamma-Chlordane	16	J	16.4	J	ug/Kg	☼	4	
Heptachlor	ND		ND		ug/Kg	☼	NC	
Heptachlor epoxide	ND		ND		ug/Kg	☼	NC	
Methoxychlor	ND		ND		ug/Kg	☼	NC	
Toxaphene	ND		ND		ug/Kg	☼	NC	

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
DCB Decachlorobiphenyl	*108*		*13 - 135*
Tetrachloro-m-xylene	*71*	*p*	*30 - 120*

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

Lab Sample ID: MB 240-281595/22-A
Matrix: Solid
Analysis Batch: 281921

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 281595

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50	24	ug/Kg		06/05/17 08:38	06/07/17 13:32	1
Aroclor-1221	ND		50	23	ug/Kg		06/05/17 08:38	06/07/17 13:32	1
Aroclor-1232	ND		50	16	ug/Kg		06/05/17 08:38	06/07/17 13:32	1
Aroclor-1242	ND		50	20	ug/Kg		06/05/17 08:38	06/07/17 13:32	1
Aroclor-1248	ND		50	17	ug/Kg		06/05/17 08:38	06/07/17 13:32	1
Aroclor-1254	ND		50	14	ug/Kg		06/05/17 08:38	06/07/17 13:32	1
Aroclor-1260	ND		50	18	ug/Kg		06/05/17 08:38	06/07/17 13:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*74*		*14 - 128*	*06/05/17 08:38*	*06/07/17 13:32*	*1*
DCB Decachlorobiphenyl	*70*		*10 - 132*	*06/05/17 08:38*	*06/07/17 13:32*	*1*

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

Lab Sample ID: LCS 240-281595/23-A
Matrix: Solid
Analysis Batch: 281921

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 281595

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Aroclor-1016			1000	848		ug/Kg		85	47 - 120		
Aroclor-1260			1000	789		ug/Kg		79	46 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*94*		*14 - 128*
DCB Decachlorobiphenyl	*105*		*10 - 132*

Lab Sample ID: MB 240-281799/6-A
Matrix: Solid
Analysis Batch: 282041

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 281799

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50	24	ug/Kg		06/06/17 09:31	06/07/17 21:33	1
Aroclor-1221	ND		50	23	ug/Kg		06/06/17 09:31	06/07/17 21:33	1
Aroclor-1232	ND		50	16	ug/Kg		06/06/17 09:31	06/07/17 21:33	1
Aroclor-1242	ND		50	20	ug/Kg		06/06/17 09:31	06/07/17 21:33	1
Aroclor-1248	ND		50	17	ug/Kg		06/06/17 09:31	06/07/17 21:33	1
Aroclor-1254	ND		50	14	ug/Kg		06/06/17 09:31	06/07/17 21:33	1
Aroclor-1260	ND		50	18	ug/Kg		06/06/17 09:31	06/07/17 21:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*68*		*14 - 128*	*06/06/17 09:31*	*06/07/17 21:33*	*1*
DCB Decachlorobiphenyl	*80*		*10 - 132*	*06/06/17 09:31*	*06/07/17 21:33*	*1*

Lab Sample ID: LCS 240-281799/7-A
Matrix: Solid
Analysis Batch: 282041

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 281799

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Aroclor-1016			1000	575		ug/Kg		57	47 - 120		
Aroclor-1260			1000	533		ug/Kg		53	46 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*68*		*14 - 128*
DCB Decachlorobiphenyl	*65*		*10 - 132*

Lab Sample ID: 240-80352-2MS
Matrix: Solid
Analysis Batch: 282041

Client Sample ID: SAMPLE SS1 - GRID A50
Prep Type: Total/NA
Prep Batch: 281799

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor-1016	ND		3260	2950		ug/Kg	☼	91	31 - 120
Aroclor-1260	ND		3260	2600		ug/Kg	☼	80	21 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Tetrachloro-m-xylene	*91*		*14 - 128*
DCB Decachlorobiphenyl	*104*		*10 - 132*

Lab Sample ID: 240-80352-2MSD
Matrix: Solid
Analysis Batch: 282041

Client Sample ID: SAMPLE SS1 - GRID A50
Prep Type: Total/NA
Prep Batch: 281799

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor-1016	ND		3320	2270		ug/Kg	☼	68	31 - 120	26	30
Aroclor-1260	ND		3320	2280		ug/Kg	☼	69	21 - 122	13	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*85*		*14 - 128*
DCB Decachlorobiphenyl	*83*		*10 - 132*

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 240-282372/16-A
Matrix: Solid
Analysis Batch: 282837

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 282372

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	ND		240	30	ug/Kg		06/09/17 08:29	06/13/17 16:05	1
Silvex (2,4,5-TP)	ND		60	6.0	ug/Kg		06/09/17 08:29	06/13/17 16:05	1
2,4,5-T	ND		60	7.0	ug/Kg		06/09/17 08:29	06/13/17 16:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*37*		*19 - 120*	*06/09/17 08:29*	*06/13/17 16:05*	*1*
2,4-Dichlorophenylacetic acid	*36*		*19 - 120*	*06/09/17 08:29*	*06/13/17 16:05*	*1*

Lab Sample ID: LCS 240-282372/17-A
Matrix: Solid
Analysis Batch: 282837

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 282372

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-D	1000	894		ug/Kg		89	55 - 120
Silvex (2,4,5-TP)	250	223		ug/Kg		89	57 - 120
2,4,5-T	250	225		ug/Kg		90	51 - 134

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*46*		*19 - 120*
2,4-Dichlorophenylacetic acid	*47*		*19 - 120*

Lab Sample ID: 240-80352-2MS
Matrix: Solid
Analysis Batch: 282837

Client Sample ID: SAMPLE SS1 - GRID A50
Prep Type: Total/NA
Prep Batch: 282372

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-D	ND		3260	2630		ug/Kg	☼	81	26 - 120
Silvex (2,4,5-TP)	ND		816	676		ug/Kg	☼	83	32 - 120
2,4,5-T	ND		816	655		ug/Kg	☼	80	30 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*41*		*19 - 120*
2,4-Dichlorophenylacetic acid	*43*		*19 - 120*

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: 240-80352-2MSD
Matrix: Solid
Analysis Batch: 282837

Client Sample ID: SAMPLE SS1 - GRID A50
Prep Type: Total/NA
Prep Batch: 282372

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-D	ND		3300	2790		ug/Kg	☼	84	26 - 120	6	40
Silvex (2,4,5-TP)	ND		826	706		ug/Kg	☼	85	32 - 120	4	37
2,4,5-T	ND		826	675		ug/Kg	☼	82	30 - 120	3	40

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*43*		*19 - 120*
2,4-Dichlorophenylacetic acid	*44*		*19 - 120*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 240-281832/1-A
Matrix: Solid
Analysis Batch: 282044

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 281832

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		20	5.8	mg/Kg		06/06/17 11:24	06/07/17 12:54	1
Calcium	ND		500	23	mg/Kg		06/06/17 11:24	06/07/17 12:54	1
Iron	4.88	J	10	3.2	mg/Kg		06/06/17 11:24	06/07/17 12:54	1
Magnesium	6.84	J	500	5.2	mg/Kg		06/06/17 11:24	06/07/17 12:54	1
Potassium	ND		500	6.2	mg/Kg		06/06/17 11:24	06/07/17 12:54	1
Selenium	ND		0.50	0.34	mg/Kg		06/06/17 11:24	06/07/17 12:54	1
Sodium	ND		500	19	mg/Kg		06/06/17 11:24	06/07/17 12:54	1

Lab Sample ID: LCS 240-281832/2-A
Matrix: Solid
Analysis Batch: 282044

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 281832

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	200	198		mg/Kg		99	80 - 120
Calcium	5000	4900		mg/Kg		98	80 - 120
Iron	100	104		mg/Kg		104	80 - 120
Magnesium	5000	4940		mg/Kg		99	80 - 120
Potassium	5000	4860		mg/Kg		97	80 - 120
Selenium	200	192		mg/Kg		96	80 - 120
Sodium	5000	4820		mg/Kg		96	80 - 120

Lab Sample ID: 240-80352-2MS
Matrix: Solid
Analysis Batch: 282044

Client Sample ID: SAMPLE SS1 - GRID A50
Prep Type: Total/NA
Prep Batch: 281832

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	7500		593	11300	4	mg/Kg	☼	633	75 - 125
Calcium	39000	F1	14800	50000	F1	mg/Kg	☼	74	75 - 125
Iron	30000	B	297	30700	4	mg/Kg	☼	125	75 - 125
Magnesium	8100	B	14800	21700		mg/Kg	☼	92	75 - 125
Potassium	670	J	14800	14900		mg/Kg	☼	96	75 - 125
Selenium	1.4	J	593	515		mg/Kg	☼	87	75 - 125
Sodium	410	J	14800	14300		mg/Kg	☼	93	75 - 125

Lab Sample ID: 240-80352-2MSD
Matrix: Solid
Analysis Batch: 282044

Client Sample ID: SAMPLE SS1 - GRID A50
Prep Type: Total/NA
Prep Batch: 281832

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	7500		593	11200	4	mg/Kg	☼	613	75 - 125	1	20
Calcium	39000	F1	14800	51700		mg/Kg	☼	86	75 - 125	3	20
Iron	30000	B	297	31400	4	mg/Kg	☼	376	75 - 125	2	20
Magnesium	8100	B	14800	21900		mg/Kg	☼	93	75 - 125	1	20
Potassium	670	J	14800	14800		mg/Kg	☼	95	75 - 125	1	20
Selenium	1.4	J	593	514		mg/Kg	☼	86	75 - 125	0	20
Sodium	410	J	14800	14200		mg/Kg	☼	93	75 - 125	0	20

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 180-213480/1-A
Matrix: Sediment
Analysis Batch: 213969

Client Sample ID: Method Blank
Prep Type: SEM/AVS
Prep Batch: 213480

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium SEM	ND		0.13	0.0063	mg/Kg		06/07/17 12:00	06/12/17 13:53	1
Copper SEM	ND		0.63	0.084	mg/Kg		06/07/17 12:00	06/12/17 13:53	1
Lead SEM	ND		0.25	0.077	mg/Kg		06/07/17 12:00	06/12/17 13:53	1
Nickel SEM	ND		1.0	0.081	mg/Kg		06/07/17 12:00	06/12/17 13:53	1
Zinc SEM	ND		2.5	0.17	mg/Kg		06/07/17 12:00	06/12/17 13:53	1

Lab Sample ID: LCS 180-213480/2-A
Matrix: Sediment
Analysis Batch: 213969

Client Sample ID: Lab Control Sample
Prep Type: SEM/AVS
Prep Batch: 213480

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium SEM	1.25	1.19		mg/Kg		95	80 - 120
Copper SEM	6.25	5.84		mg/Kg		93	80 - 120
Lead SEM	12.5	12.2		mg/Kg		97	80 - 120
Nickel SEM	12.5	12.2		mg/Kg		98	80 - 120
Zinc SEM	12.5	12.3		mg/Kg		98	80 - 120

Lab Sample ID: 240-80352-14 MS
Matrix: Sediment
Analysis Batch: 213969

Client Sample ID: SAMPLE SS1 - GRID A50
Prep Type: SEM/AVS
Prep Batch: 213480

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium SEM	0.75		1.25	1.83		mg/Kg		86	75 - 125
Copper SEM	12	F1	6.26	21.7	F1	mg/Kg		152	75 - 125
Lead SEM	84		12.5	102	4	mg/Kg		144	75 - 125
Nickel SEM	7.2		12.5	20.4		mg/Kg		105	75 - 125
Zinc SEM	290		12.5	310	4	mg/Kg		133	75 - 125

Lab Sample ID: 240-80352-14 MSD
Matrix: Sediment
Analysis Batch: 213969

Client Sample ID: SAMPLE SS1 - GRID A50
Prep Type: SEM/AVS
Prep Batch: 213480

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium SEM	0.75		1.25	1.82		mg/Kg		86	75 - 125	0	20
Copper SEM	12	F1	6.24	20.1	F1	mg/Kg		126	75 - 125	8	20
Lead SEM	84		12.5	94.9	4	mg/Kg		87	75 - 125	7	20

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

Lab Sample ID: 240-80352-14 MSD
Matrix: Sediment
Analysis Batch: 213969

Client Sample ID: SAMPLE SS1 - GRID A50
Prep Type: SEM/AVS
Prep Batch: 213480

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nickel SEM	7.2		12.5	20.4		mg/Kg		105	75 - 125	0	20
Zinc SEM	290		12.5	307	4	mg/Kg		110	75 - 125	1	20

Lab Sample ID: PB 180-213057/1-E
Matrix: Sediment
Analysis Batch: 213969

Client Sample ID: Method Blank
Prep Type: SEM/AVS
Prep Batch: 213717

Analyte	PB Result	PB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium SEM	ND		0.0050	0.00025	mg/Kg		06/09/17 09:57	06/12/17 10:42	1
Copper SEM	ND		0.025	0.0034	mg/Kg		06/09/17 09:57	06/12/17 10:42	1
Lead SEM	ND		0.010	0.0031	mg/Kg		06/09/17 09:57	06/12/17 10:42	1
Nickel SEM	ND		0.040	0.0032	mg/Kg		06/09/17 09:57	06/12/17 10:42	1
Zinc SEM	ND		0.10	0.0069	mg/Kg		06/09/17 09:57	06/12/17 10:42	1

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 240-281832/1-A ^2
Matrix: Solid
Analysis Batch: 282368

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 281832

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.0	0.026	mg/Kg		06/06/17 11:24	06/09/17 01:32	2
Barium	ND		1.0	0.22	mg/Kg		06/06/17 11:24	06/09/17 01:32	2
Cadmium	ND		0.20	0.0037	mg/Kg		06/06/17 11:24	06/09/17 01:32	2
Chromium	0.0678	J	0.40	0.060	mg/Kg		06/06/17 11:24	06/09/17 01:32	2
Copper	0.256	J	0.40	0.097	mg/Kg		06/06/17 11:24	06/09/17 01:32	2
Manganese	0.205	J	1.0	0.12	mg/Kg		06/06/17 11:24	06/09/17 01:32	2
Nickel	ND		0.40	0.039	mg/Kg		06/06/17 11:24	06/09/17 01:32	2
Strontium	0.104	J	2.0	0.025	mg/Kg		06/06/17 11:24	06/09/17 01:32	2
Zinc	0.644	J	4.0	0.50	mg/Kg		06/06/17 11:24	06/09/17 01:32	2

Lab Sample ID: MB 240-281832/1-A ^2
Matrix: Solid
Analysis Batch: 282669

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 281832

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.131	J	0.20	0.045	mg/Kg		06/06/17 11:24	06/09/17 21:53	2

Lab Sample ID: LCS 240-281832/3-A ^2
Matrix: Solid
Analysis Batch: 282368

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 281832

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	100	84.6		mg/Kg		85	80 - 120
Barium	100	100		mg/Kg		100	80 - 120
Cadmium	100	93.4		mg/Kg		93	80 - 120
Chromium	100	97.5		mg/Kg		98	80 - 120
Copper	100	99.5		mg/Kg		99	80 - 120
Manganese	100	98.8		mg/Kg		99	80 - 120

Method: 6020 - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 240-281832/3-A ^2
Matrix: Solid
Analysis Batch: 282368

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 281832

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nickel	100	99.2		mg/Kg		99	80 - 120
Strontium	100	92.1		mg/Kg		92	80 - 120
Zinc	100	82.2		mg/Kg		82	80 - 120

Lab Sample ID: LCS 240-281832/3-A ^2
Matrix: Solid
Analysis Batch: 282669

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 281832

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	100	100		mg/Kg		100	80 - 120

Lab Sample ID: 240-80352-2MS
Matrix: Solid
Analysis Batch: 282368

Client Sample ID: SAMPLE SS1 - GRID A50
Prep Type: Total/NA
Prep Batch: 281832

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	38		297	290		mg/Kg	☼	85	75 - 125
Barium	180		297	482		mg/Kg	☼	103	75 - 125
Cadmium	3.8		297	272		mg/Kg	☼	90	75 - 125
Chromium	64	B	297	345		mg/Kg	☼	95	75 - 125
Copper	130	B	297	402		mg/Kg	☼	92	75 - 125
Manganese	470	B	297	768		mg/Kg	☼	99	75 - 125
Nickel	41		297	318		mg/Kg	☼	93	75 - 125
Strontium	78	B	297	354		mg/Kg	☼	93	75 - 125
Zinc	1100	F1 B	297	1240	F1	mg/Kg	☼	60	75 - 125

Lab Sample ID: 240-80352-2MS
Matrix: Solid
Analysis Batch: 282669

Client Sample ID: SAMPLE SS1 - GRID A50
Prep Type: Total/NA
Prep Batch: 281832

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	310	B	297	604		mg/Kg	☼	101	75 - 125

Lab Sample ID: 240-80352-2MSD
Matrix: Solid
Analysis Batch: 282368

Client Sample ID: SAMPLE SS1 - GRID A50
Prep Type: Total/NA
Prep Batch: 281832

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	38		297	290		mg/Kg	☼	85	75 - 125	0	20
Barium	180		297	496		mg/Kg	☼	107	75 - 125	3	20
Cadmium	3.8		297	275		mg/Kg	☼	91	75 - 125	1	20
Chromium	64	B	297	352		mg/Kg	☼	97	75 - 125	2	20
Copper	130	B	297	404		mg/Kg	☼	93	75 - 125	1	20
Manganese	470	B	297	779		mg/Kg	☼	103	75 - 125	1	20
Nickel	41		297	322		mg/Kg	☼	95	75 - 125	1	20
Strontium	78	B	297	353		mg/Kg	☼	93	75 - 125	0	20
Zinc	1100	F1 B	297	1420		mg/Kg	☼	120	75 - 125	13	20

Method: 6020 - Metals (ICP/MS) (Continued)

Lab Sample ID: 240-80352-2MSD — **Client Sample ID: SAMPLE SS1 - GRID A50**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 282669 — **Prep Batch: 281832**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	310	B	297	608		mg/Kg	☼	102	75 - 125	1	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 180-213480/1-B — **Client Sample ID: Method Blank**
Matrix: Sediment — **Prep Type: SEM/AVS**
Analysis Batch: 214484 — **Prep Batch: 213480**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury SEM	ND		0.0050	0.0016	mg/Kg		06/07/17 12:00	06/16/17 11:47	1

Lab Sample ID: LCS 180-213480/2-B — **Client Sample ID: Lab Control Sample**
Matrix: Sediment — **Prep Type: SEM/AVS**
Analysis Batch: 214484 — **Prep Batch: 213480**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury SEM	0.0625	0.0654		mg/Kg		105	80 - 120

Lab Sample ID: 240-80352-14 MS — **Client Sample ID: SAMPLE SS1 - GRID A50**
Matrix: Sediment — **Prep Type: SEM/AVS**
Analysis Batch: 214484 — **Prep Batch: 213480**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury SEM	ND		0.0839	0.0882		mg/Kg	☼	105	75 - 125

Lab Sample ID: 240-80352-14 MSD — **Client Sample ID: SAMPLE SS1 - GRID A50**
Matrix: Sediment — **Prep Type: SEM/AVS**
Analysis Batch: 214484 — **Prep Batch: 213480**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury SEM	ND		0.0837	0.0882		mg/Kg	☼	105	75 - 125	0	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 240-281856/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 282035 — **Prep Batch: 281856**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.10	0.018	mg/Kg		06/06/17 16:00	06/07/17 11:20	1

Lab Sample ID: LCS 240-281856/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 282035 — **Prep Batch: 281856**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.833	0.806		mg/Kg		97	80 - 120

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

Lab Sample ID: 240-80352-2MS
Matrix: Solid
Analysis Batch: 282035

Client Sample ID: SAMPLE SS1 - GRID A50
Prep Type: Total/NA
Prep Batch: 281856

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.725		0.573	0.991	F1	mg/Kg	☼	46	80 - 120

Lab Sample ID: 240-80352-2MSD
Matrix: Solid
Analysis Batch: 282035

Client Sample ID: SAMPLE SS1 - GRID A50
Prep Type: Total/NA
Prep Batch: 281856

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.725		0.573	0.988	F1	mg/Kg	☼	46	80 - 120	0	20

Method: 2540G - SM 2540G

Lab Sample ID: 240-80352-21 DU
Matrix: Sediment
Analysis Batch: 213405

Client Sample ID: SAMPLE SS8 - GRID B5
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	38.4		43.4		%		12	20

Method: 9034 - Sulfide, Acid soluble and Insoluble (Titrimetric)

Lab Sample ID: MB 180-213476/1-A
Matrix: Sediment
Analysis Batch: 213511

Client Sample ID: Method Blank
Prep Type: SEM/AVS
Prep Batch: 213476

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acid Volatile Sulfides (AVS)	ND		15	5.0	mg/Kg		06/07/17 12:00	06/07/17 14:44	1

Lab Sample ID: LCS 180-213476/2-A
Matrix: Sediment
Analysis Batch: 213511

Client Sample ID: Lab Control Sample
Prep Type: SEM/AVS
Prep Batch: 213476

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acid Volatile Sulfides (AVS)	96.1	89.1		mg/Kg		93	85 - 115

Lab Sample ID: 240-80352-14 MS
Matrix: Sediment
Analysis Batch: 213511

Client Sample ID: SAMPLE SS1 - GRID A50
Prep Type: SEM/AVS
Prep Batch: 213476

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acid Volatile Sulfides (AVS)	2400		322	2570	4	mg/Kg	☼	57	75 - 125

Lab Sample ID: 240-80352-14 MSD
Matrix: Sediment
Analysis Batch: 213511

Client Sample ID: SAMPLE SS1 - GRID A50
Prep Type: SEM/AVS
Prep Batch: 213476

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acid Volatile Sulfides (AVS)	2400		321	2900	4	mg/Kg	☼	160	75 - 125	12	20

Method: Lloyd Kahn - Organic Carbon, Total (TOC)

Lab Sample ID: MB 180-214148/4
Matrix: Solid
Analysis Batch: 214148

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Duplicates	ND		1000	750	mg/Kg			06/13/17 14:04	1

Lab Sample ID: LCS 180-214148/5
Matrix: Solid
Analysis Batch: 214148

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Organic Carbon - Duplicates			35000	33300		mg/Kg		95	75 - 125		

Lab Sample ID: 240-80352-2MS
Matrix: Solid
Analysis Batch: 214148

Client Sample ID: SAMPLE SS1 - GRID A50
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Organic Carbon - Duplicates	45000	F1	617000	725000		mg/Kg	☼	110	75 - 125		

Lab Sample ID: 240-80352-2MSD
Matrix: Solid
Analysis Batch: 214148

Client Sample ID: SAMPLE SS1 - GRID A50
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Organic Carbon - Duplicates	45000	F1	670000	710000		mg/Kg	☼	99	75 - 125	2	20

Lab Sample ID: 240-80352-2 DU
Matrix: Solid
Analysis Batch: 214148

Client Sample ID: SAMPLE SS1 - GRID A50
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Organic Carbon - Duplicates	45000	F1		88800	F3	mg/Kg	☼			65	20

Method: Moisture - Percent Moisture

Lab Sample ID: 240-80352-2 DU
Matrix: Solid
Analysis Batch: 281590

Client Sample ID: SAMPLE SS1 - GRID A50
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Solids	30.1			28.3		%				6	20
Percent Moisture	69.9			71.7		%				3	20

Method: D422 - Grain Size

Lab Sample ID: 240-80352-2 DU
Matrix: Solid
Analysis Batch: 117535

Client Sample ID: SAMPLE SS1 - GRID A50
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Gravel	0.0		0.0		%		NC	50
Sieve Size 3 inch - Percent Finer	100.0		100.0		% Passing		0	50
Sand	18.7		17.3		%		8	50
Sieve Size 2 inch - Percent Finer	100.0		100.0		% Passing		0	50
Coarse Sand	1.3		1.8		%		32	50
Sieve Size 1.5 inch - Percent Finer	100.0		100.0		% Passing		0	50
Medium Sand	5.8		2.8	F3	%		70	50
Sieve Size 1 inch - Percent Finer	100.0		100.0		% Passing		0	50
Fine Sand	11.6		12.7		%		9	50
Sieve Size 0.75 inch - Percent Finer	100.0		100.0		% Passing		0	50
Sieve Size 0.375 inch - Percent Finer	100.0		100.0		% Passing		0	50
Silt	68.3		69.3		%		1	50
Clay	13.0		13.4		%		3	50
Sieve Size #4 - Percent Finer	100.0		100.0		% Passing		0	50
Sieve Size #10 - Percent Finer	98.7		98.2		% Passing		0.5	50
Sieve Size #20 - Percent Finer	96.0		97.0		% Passing		1	50
Sieve Size #40 - Percent Finer	92.9		95.4		% Passing		3	50
Sieve Size #60 - Percent Finer	90.9		93.2		% Passing		2	50
Sieve Size #80 - Percent Finer	89.3		91.4		% Passing		2	50
Sieve Size #100 - Percent Finer	88.0		90.0		% Passing		2	50
Sieve Size #200 - Percent Finer	81.3		82.7		% Passing		2	50
Hydrometer Reading 1 - Percent Finer	51.3		49.0		% Passing		5	50
Hydrometer Reading 2 - Percent Finer	39.1		38.3		% Passing		2	50
Hydrometer Reading 3 - Percent Finer	23.5		24.0		% Passing		2	50
Hydrometer Reading 4 - Percent Finer	16.5		18.7		% Passing		13	50
Hydrometer Reading 5 - Percent Finer	13.0		13.4		% Passing		3	50
Hydrometer Reading 6 - Percent Finer	7.5		9.5		% Passing		23	50
Hydrometer Reading 7 - Percent Finer	5.8		5.9		% Passing		3	50

Method: 8260B -

Lab Sample ID: 240-80352-11 MSD
Matrix: Solid
Analysis Batch: 281989

Client Sample ID: SAMPLE SS10 - GRID C52
Prep Type: Total/NA
Prep Batch: 282021

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		137	151		ug/Kg	☼	111	33 - 130	30	40
1,1,2,2-Tetrachloroethane	ND	F1 F2	137	255	* F1 F2	ug/Kg	☼	187	16 - 157	51	40
1,1,2-Trichloroethane	ND		137	157		ug/Kg	☼	115	19 - 137	34	40
1,1-Dichloroethane	ND		137	142		ug/Kg	☼	104	41 - 122	29	40

Method: 8260B - (Continued)

Lab Sample ID: 240-80352-11 MSD
Matrix: Solid
Analysis Batch: 281989

Client Sample ID: SAMPLE SS10 - GRID C52
Prep Type: Total/NA
Prep Batch: 282021

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene	ND		137	161		ug/Kg	☼	118	30 - 139	30	40
1,2,4-Trichlorobenzene	ND		137	77.6	*	ug/Kg	☼	57	10 - 120	14	40
1,2-Dibromo-3-Chloropropane	ND		137	167	*	ug/Kg	☼	122	10 - 128	30	40
1,2-Dichlorobenzene	ND		137	138	*	ug/Kg	☼	101	10 - 120	28	40
1,2-Dichloroethane	ND		137	122		ug/Kg	☼	89	35 - 122	22	40
1,2-Dichloropropane	ND		137	137		ug/Kg	☼	100	38 - 130	24	40
1,3-Dichlorobenzene	ND		137	159	*	ug/Kg	☼	117	10 - 120	28	40
1,4-Dichlorobenzene	ND		137	151	*	ug/Kg	☼	111	10 - 120	29	40
2-Hexanone	ND		273	308		ug/Kg	☼	113	21 - 136	32	40
Acetone	ND	F1	273	363	F1	ug/Kg	☼	133	15 - 127	26	40
Benzene	ND		137	148		ug/Kg	☼	108	33 - 127	26	40
Bromoform	ND		137	123		ug/Kg	☼	90	10 - 120	24	40
Bromomethane	ND	F2	54.6	52.4	F2	ug/Kg	☼	96	13 - 138	71	40
Carbon disulfide	13	J F1	137	195	F1	ug/Kg	☼	134	15 - 131	30	40
Carbon tetrachloride	ND		137	103		ug/Kg	☼	76	17 - 127	14	40
Chlorobenzene	ND		137	139		ug/Kg	☼	102	15 - 122	25	40
Chloroethane	ND	F2	54.6	71.1	F2	ug/Kg	☼	130	15 - 148	49	40
Chloroform	ND		137	141		ug/Kg	☼	103	41 - 121	27	40
Chloromethane	ND	F1 F2	54.6	68.9	F1 F2	ug/Kg	☼	126	33 - 122	43	40
cis-1,2-Dichloroethene	ND		137	145		ug/Kg	☼	106	46 - 120	26	40
cis-1,3-Dichloropropene	ND		137	95.5		ug/Kg	☼	70	13 - 127	11	40
Dichlorobromomethane	ND		137	129		ug/Kg	☼	94	22 - 127	21	40
Dichlorodifluoromethane	ND	F1 F2	54.6	81.8	F1 F2	ug/Kg	☼	150	10 - 126	42	40
Ethylbenzene	ND		137	153		ug/Kg	☼	112	18 - 126	25	40
Ethylene Dibromide	ND		137	149		ug/Kg	☼	109	25 - 137	33	40
m-Xylene & p-Xylene	ND		137	151		ug/Kg	☼	111	10 - 136	23	40
Isopropylbenzene	ND		137	152		ug/Kg	☼	111	10 - 128	18	40
2-Butanone (MEK)	ND		273	298		ug/Kg	☼	109	29 - 127	21	40
4-Methyl-2-pentanone (MIBK)	ND		273	342		ug/Kg	☼	125	16 - 164	36	40
Methyl tert-butyl ether	ND		137	138		ug/Kg	☼	101	49 - 134	28	40
Methylene Chloride	85	J B F1	137	137		ug/Kg	☼	38	34 - 134	30	40
o-Xylene	ND		137	153		ug/Kg	☼	112	17 - 128	24	40
Styrene	ND		137	99.9		ug/Kg	☼	73	10 - 128	17	40
Tetrachloroethene	ND		137	144		ug/Kg	☼	105	17 - 126	27	40
Toluene	ND		137	149		ug/Kg	☼	109	29 - 127	33	40
trans-1,2-Dichloroethene	ND		137	154		ug/Kg	☼	113	32 - 134	28	40
trans-1,3-Dichloropropene	ND		137	99.4		ug/Kg	☼	73	11 - 120	25	40
Trichloroethene	ND		137	139		ug/Kg	☼	102	10 - 160	23	40
Trichlorofluoromethane	ND	F1 F2	54.6	81.4	F1 F2	ug/Kg	☼	149	24 - 137	48	40
Vinyl chloride	ND	F1	54.6	75.5	F1	ug/Kg	☼	138	31 - 134	39	40
Xylenes, Total	ND		273	304		ug/Kg	☼	111	10 - 137	24	40

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*82*		*61 - 127*
4-Bromofluorobenzene (Surr)	*140*	*X	*61 - 132*
Toluene-d8 (Surr)	*91*		*66 - 125*
Dibromofluoromethane (Surr)	*89*		*43 - 131*

GC/MS VOA

Prep Batch: 281652

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80352-3	SAMPLE SS2 - GRID A27	Total/NA	Solid	5030B	
240-80352-5	SAMPLE SS4 - GRID D77	Total/NA	Solid	5030B	
MB 240-281652/1-A	Method Blank	Total/NA	Solid	5030B	
LCS 240-281652/2-A	Lab Control Sample	Total/NA	Solid	5030B	
240-80352-3 MS	SAMPLE SS2 - GRID A27	Total/NA	Solid	5030B	
240-80352-3 MSD	SAMPLE SS2 - GRID A27	Total/NA	Solid	5030B	

Analysis Batch: 281810

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80352-2	SAMPLE SS1 - GRID A50	Total/NA	Solid	8260A	281848
240-80352-3	SAMPLE SS2 - GRID A27	Total/NA	Solid	8260A	281848
240-80352-3	SAMPLE SS2 - GRID A27	Total/NA	Solid	8260A	281848
240-80352-4	SAMPLE SS3 - GRID A13	Total/NA	Solid	8260A	281848
240-80352-5	SAMPLE SS4 - GRID D77	Total/NA	Solid	8260A	281848
240-80352-6	SAMPLE SS5 - GRID B65	Total/NA	Solid	8260A	281848
240-80352-7	SAMPLE SS6 - GRID B65	Total/NA	Solid	8260A	281848
240-80352-8	SAMPLE SS7 - GRID B12	Total/NA	Solid	8260A	281848
240-80352-9	SAMPLE SS8 - GRID B5	Total/NA	Solid	8260A	281848
240-80352-10	SAMPLE SS9 - GRID C17	Total/NA	Solid	8260A	281848
240-80352-13	SAMPLE SS11 - GRID C75	Total/NA	Solid	8260A	281848
MB 240-281810/6	Method Blank	Total/NA	Solid	8260A	
LCS 240-281810/5	Lab Control Sample	Total/NA	Solid	8260A	
240-80352-2MS	SAMPLE SS1 - GRID A50	Total/NA	Solid	8260A	281848
240-80352-2MSD	SAMPLE SS1 - GRID A50	Total/NA	Solid	8260A	281848

Prep Batch: 281848

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80352-2	SAMPLE SS1 - GRID A50	Total/NA	Solid	5030A	
240-80352-3	SAMPLE SS2 - GRID A27	Total/NA	Solid	5030A	
240-80352-3	SAMPLE SS2 - GRID A27	Total/NA	Solid	5030A	
240-80352-4	SAMPLE SS3 - GRID A13	Total/NA	Solid	5030A	
240-80352-5	SAMPLE SS4 - GRID D77	Total/NA	Solid	5030A	
240-80352-6	SAMPLE SS5 - GRID B65	Total/NA	Solid	5030A	
240-80352-7	SAMPLE SS6 - GRID B65	Total/NA	Solid	5030A	
240-80352-8	SAMPLE SS7 - GRID B12	Total/NA	Solid	5030A	
240-80352-9	SAMPLE SS8 - GRID B5	Total/NA	Solid	5030A	
240-80352-10	SAMPLE SS9 - GRID C17	Total/NA	Solid	5030A	
240-80352-13	SAMPLE SS11 - GRID C75	Total/NA	Solid	5030A	
240-80352-2MS	SAMPLE SS1 - GRID A50	Total/NA	Solid	5030A	
240-80352-2MSD	SAMPLE SS1 - GRID A50	Total/NA	Solid	5030A	

Analysis Batch: 281989

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80352-3	SAMPLE SS2 - GRID A27	Total/NA	Solid	8260A	281652
240-80352-5	SAMPLE SS4 - GRID D77	Total/NA	Solid	8260A	281652
240-80352-10	SAMPLE SS9 - GRID C17	Total/NA	Solid	8260A	282021
240-80352-11	SAMPLE SS10 - GRID C52	Total/NA	Solid	8260A	282021
240-80352-11	SAMPLE SS10 - GRID C52	Total/NA	Solid	8260A	282021
MB 240-281652/1-A	Method Blank	Total/NA	Solid	8260A	281652
MB 240-281989/6	Method Blank	Total/NA	Solid	8260A	
MB 240-282021/1-A	Method Blank	Total/NA	Solid	8260A	282021

GC/MS VOA (Continued)

Analysis Batch: 281989 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 240-281652/2-A	Lab Control Sample	Total/NA	Solid	8260A	281652
LCS 240-281989/5	Lab Control Sample	Total/NA	Solid	8260A	
240-80352-3 MS	SAMPLE SS2 - GRID A27	Total/NA	Solid	8260A	281652
240-80352-3 MSD	SAMPLE SS2 - GRID A27	Total/NA	Solid	8260A	281652
240-80352-11 MS	SAMPLE SS10 - GRID C52	Total/NA	Solid	8260A	282021
240-80352-11 MSD	SAMPLE SS10 - GRID C52	Total/NA	Solid	8260A	282021

Prep Batch: 282021

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80352-10	SAMPLE SS9 - GRID C17	Total/NA	Solid	5030A	
240-80352-11	SAMPLE SS10 - GRID C52	Total/NA	Solid	5030A	
240-80352-11	SAMPLE SS10 - GRID C52	Total/NA	Solid	5030A	
MB 240-282021/1-A	Method Blank	Total/NA	Solid	5030A	
240-80352-11 MS	SAMPLE SS10 - GRID C52	Total/NA	Solid	5030A	
240-80352-11 MSD	SAMPLE SS10 - GRID C52	Total/NA	Solid	5030A	

Analysis Batch: 283237

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80352-1	TRIP BLANK	Total/NA	Water	8260B	
MB 240-283237/6	Method Blank	Total/NA	Water	8260B	
LCS 240-283237/4	Lab Control Sample	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 281609

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80352-3	SAMPLE SS2 - GRID A27	Total/NA	Solid	3540C	
240-80352-4	SAMPLE SS3 - GRID A13	Total/NA	Solid	3540C	
240-80352-6	SAMPLE SS5 - GRID B65	Total/NA	Solid	3540C	
240-80352-7	SAMPLE SS6 - GRID B65	Total/NA	Solid	3540C	
240-80352-8	SAMPLE SS7 - GRID B12	Total/NA	Solid	3540C	
240-80352-9	SAMPLE SS8 - GRID B5	Total/NA	Solid	3540C	
240-80352-10	SAMPLE SS9 - GRID C17	Total/NA	Solid	3540C	
240-80352-11	SAMPLE SS10 - GRID C52	Total/NA	Solid	3540C	
240-80352-13	SAMPLE SS11 - GRID C75	Total/NA	Solid	3540C	
MB 240-281609/23-A	Method Blank	Total/NA	Solid	3540C	
LCS 240-281609/24-A	Lab Control Sample	Total/NA	Solid	3540C	
240-80352-13 MS	SAMPLE SS11 - GRID C75	Total/NA	Solid	3540C	
240-80352-13 MSD	SAMPLE SS11 - GRID C75	Total/NA	Solid	3540C	

Prep Batch: 281795

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80352-2	SAMPLE SS1 - GRID A50	Total/NA	Solid	3540C	
240-80352-5	SAMPLE SS4 - GRID D77	Total/NA	Solid	3540C	
MB 240-281795/18-A	Method Blank	Total/NA	Solid	3540C	
LCS 240-281795/19-A	Lab Control Sample	Total/NA	Solid	3540C	
240-80352-2MS	SAMPLE SS1 - GRID A50	Total/NA	Solid	3540C	
240-80352-2MSD	SAMPLE SS1 - GRID A50	Total/NA	Solid	3540C	
240-80352-2 DU	SAMPLE SS1 - GRID A50	Total/NA	Solid	3540C	

GC/MS Semi VOA (Continued)

Analysis Batch: 281929

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80352-3	SAMPLE SS2 - GRID A27	Total/NA	Solid	8270C	281609
240-80352-4	SAMPLE SS3 - GRID A13	Total/NA	Solid	8270C	281609
240-80352-6	SAMPLE SS5 - GRID B65	Total/NA	Solid	8270C	281609
240-80352-7	SAMPLE SS6 - GRID B65	Total/NA	Solid	8270C	281609
240-80352-8	SAMPLE SS7 - GRID B12	Total/NA	Solid	8270C	281609
240-80352-9	SAMPLE SS8 - GRID B5	Total/NA	Solid	8270C	281609
240-80352-10	SAMPLE SS9 - GRID C17	Total/NA	Solid	8270C	281609
240-80352-11	SAMPLE SS10 - GRID C52	Total/NA	Solid	8270C	281609
240-80352-13	SAMPLE SS11 - GRID C75	Total/NA	Solid	8270C	281609
MB 240-281609/23-A	Method Blank	Total/NA	Solid	8270C	281609
240-80352-13 MS	SAMPLE SS11 - GRID C75	Total/NA	Solid	8270C	281609
240-80352-13 MSD	SAMPLE SS11 - GRID C75	Total/NA	Solid	8270C	281609

Analysis Batch: 282121

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80352-2	SAMPLE SS1 - GRID A50	Total/NA	Solid	8270C	281795
240-80352-5	SAMPLE SS4 - GRID D77	Total/NA	Solid	8270C	281795
MB 240-281795/18-A	Method Blank	Total/NA	Solid	8270C	281795
LCS 240-281609/24-A	Lab Control Sample	Total/NA	Solid	8270C	281609
LCS 240-281795/19-A	Lab Control Sample	Total/NA	Solid	8270C	281795
240-80352-2MS	SAMPLE SS1 - GRID A50	Total/NA	Solid	8270C	281795
240-80352-2MSD	SAMPLE SS1 - GRID A50	Total/NA	Solid	8270C	281795
240-80352-2 DU	SAMPLE SS1 - GRID A50	Total/NA	Solid	8270C	281795

GC Semi VOA

Prep Batch: 281595

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80352-3	SAMPLE SS2 - GRID A27	Total/NA	Solid	3540C	
240-80352-4	SAMPLE SS3 - GRID A13	Total/NA	Solid	3540C	
240-80352-5	SAMPLE SS4 - GRID D77	Total/NA	Solid	3540C	
240-80352-6	SAMPLE SS5 - GRID B65	Total/NA	Solid	3540C	
240-80352-7	SAMPLE SS6 - GRID B65	Total/NA	Solid	3540C	
240-80352-8	SAMPLE SS7 - GRID B12	Total/NA	Solid	3540C	
240-80352-9	SAMPLE SS8 - GRID B5	Total/NA	Solid	3540C	
240-80352-10	SAMPLE SS9 - GRID C17	Total/NA	Solid	3540C	
240-80352-11	SAMPLE SS10 - GRID C52	Total/NA	Solid	3540C	
240-80352-13	SAMPLE SS11 - GRID C75	Total/NA	Solid	3540C	
MB 240-281595/22-A	Method Blank	Total/NA	Solid	3540C	
LCS 240-281595/23-A	Lab Control Sample	Total/NA	Solid	3540C	

Prep Batch: 281799

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80352-2	SAMPLE SS1 - GRID A50	Total/NA	Solid	3540C	
MB 240-281799/6-A	Method Blank	Total/NA	Solid	3540C	
LCS 240-281799/7-A	Lab Control Sample	Total/NA	Solid	3540C	
240-80352-2MS	SAMPLE SS1 - GRID A50	Total/NA	Solid	3540C	
240-80352-2MSD	SAMPLE SS1 - GRID A50	Total/NA	Solid	3540C	

GC Semi VOA (Continued)

Prep Batch: 281803

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80352-2	SAMPLE SS1 - GRID A50	Total/NA	Solid	3540C	
240-80352-3	SAMPLE SS2 - GRID A27	Total/NA	Solid	3540C	
240-80352-4	SAMPLE SS3 - GRID A13	Total/NA	Solid	3540C	
240-80352-5	SAMPLE SS4 - GRID D77	Total/NA	Solid	3540C	
240-80352-6	SAMPLE SS5 - GRID B65	Total/NA	Solid	3540C	
240-80352-7	SAMPLE SS6 - GRID B65	Total/NA	Solid	3540C	
240-80352-8	SAMPLE SS7 - GRID B12	Total/NA	Solid	3540C	
240-80352-9	SAMPLE SS8 - GRID B5	Total/NA	Solid	3540C	
240-80352-10	SAMPLE SS9 - GRID C17	Total/NA	Solid	3540C	
240-80352-11	SAMPLE SS10 - GRID C52	Total/NA	Solid	3540C	
240-80352-13	SAMPLE SS11 - GRID C75	Total/NA	Solid	3540C	
MB 240-281803/15-A	Method Blank	Total/NA	Solid	3540C	
LCS 240-281803/16-A	Lab Control Sample	Total/NA	Solid	3540C	
240-80352-2MS	SAMPLE SS1 - GRID A50	Total/NA	Solid	3540C	
240-80352-2MSD	SAMPLE SS1 - GRID A50	Total/NA	Solid	3540C	
240-80352-2 DU	SAMPLE SS1 - GRID A50	Total/NA	Solid	3540C	

Analysis Batch: 281921

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80352-3	SAMPLE SS2 - GRID A27	Total/NA	Solid	8082	281595
240-80352-4	SAMPLE SS3 - GRID A13	Total/NA	Solid	8082	281595
240-80352-5	SAMPLE SS4 - GRID D77	Total/NA	Solid	8082	281595
240-80352-6	SAMPLE SS5 - GRID B65	Total/NA	Solid	8082	281595
240-80352-7	SAMPLE SS6 - GRID B65	Total/NA	Solid	8082	281595
240-80352-8	SAMPLE SS7 - GRID B12	Total/NA	Solid	8082	281595
240-80352-9	SAMPLE SS8 - GRID B5	Total/NA	Solid	8082	281595
240-80352-10	SAMPLE SS9 - GRID C17	Total/NA	Solid	8082	281595
240-80352-11	SAMPLE SS10 - GRID C52	Total/NA	Solid	8082	281595
240-80352-13	SAMPLE SS11 - GRID C75	Total/NA	Solid	8082	281595
MB 240-281595/22-A	Method Blank	Total/NA	Solid	8082	281595
LCS 240-281595/23-A	Lab Control Sample	Total/NA	Solid	8082	281595

Analysis Batch: 282041

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80352-2	SAMPLE SS1 - GRID A50	Total/NA	Solid	8082	281799
MB 240-281799/6-A	Method Blank	Total/NA	Solid	8082	281799
LCS 240-281799/7-A	Lab Control Sample	Total/NA	Solid	8082	281799
240-80352-2MS	SAMPLE SS1 - GRID A50	Total/NA	Solid	8082	281799
240-80352-2MSD	SAMPLE SS1 - GRID A50	Total/NA	Solid	8082	281799

Prep Batch: 282372

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80352-2	SAMPLE SS1 - GRID A50	Total/NA	Solid	3546	
240-80352-3	SAMPLE SS2 - GRID A27	Total/NA	Solid	3546	
240-80352-4	SAMPLE SS3 - GRID A13	Total/NA	Solid	3546	
240-80352-5	SAMPLE SS4 - GRID D77	Total/NA	Solid	3546	
240-80352-6	SAMPLE SS5 - GRID B65	Total/NA	Solid	3546	
240-80352-7	SAMPLE SS6 - GRID B65	Total/NA	Solid	3546	
240-80352-8	SAMPLE SS7 - GRID B12	Total/NA	Solid	3546	
240-80352-9	SAMPLE SS8 - GRID B5	Total/NA	Solid	3546	
240-80352-10	SAMPLE SS9 - GRID C17	Total/NA	Solid	3546	

GC Semi VOA (Continued)

Prep Batch: 282372 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80352-11	SAMPLE SS10 - GRID C52	Total/NA	Solid	3546	
240-80352-13	SAMPLE SS11 - GRID C75	Total/NA	Solid	3546	
MB 240-282372/16-A	Method Blank	Total/NA	Solid	3546	
LCS 240-282372/17-A	Lab Control Sample	Total/NA	Solid	3546	
240-80352-2MS	SAMPLE SS1 - GRID A50	Total/NA	Solid	3546	
240-80352-2MSD	SAMPLE SS1 - GRID A50	Total/NA	Solid	3546	

Analysis Batch: 282394

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80352-2	SAMPLE SS1 - GRID A50	Total/NA	Solid	8081A	281803
240-80352-4	SAMPLE SS3 - GRID A13	Total/NA	Solid	8081A	281803
240-80352-6	SAMPLE SS5 - GRID B65	Total/NA	Solid	8081A	281803
240-80352-7	SAMPLE SS6 - GRID B65	Total/NA	Solid	8081A	281803
240-80352-8	SAMPLE SS7 - GRID B12	Total/NA	Solid	8081A	281803
240-80352-9	SAMPLE SS8 - GRID B5	Total/NA	Solid	8081A	281803
240-80352-10	SAMPLE SS9 - GRID C17	Total/NA	Solid	8081A	281803
240-80352-11	SAMPLE SS10 - GRID C52	Total/NA	Solid	8081A	281803
MB 240-281803/15-A	Method Blank	Total/NA	Solid	8081A	281803
LCS 240-281803/16-A	Lab Control Sample	Total/NA	Solid	8081A	281803
240-80352-2MS	SAMPLE SS1 - GRID A50	Total/NA	Solid	8081A	281803
240-80352-2MSD	SAMPLE SS1 - GRID A50	Total/NA	Solid	8081A	281803
240-80352-2 DU	SAMPLE SS1 - GRID A50	Total/NA	Solid	8081A	281803

Prep Batch: 282410

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80352-2	SAMPLE SS1 - GRID A50	Total/NA	Solid	3546	
240-80352-3	SAMPLE SS2 - GRID A27	Total/NA	Solid	3546	
240-80352-4	SAMPLE SS3 - GRID A13	Total/NA	Solid	3546	
240-80352-5	SAMPLE SS4 - GRID D77	Total/NA	Solid	3546	
240-80352-6	SAMPLE SS5 - GRID B65	Total/NA	Solid	3546	
240-80352-7	SAMPLE SS6 - GRID B65	Total/NA	Solid	3546	
240-80352-8	SAMPLE SS7 - GRID B12	Total/NA	Solid	3546	
240-80352-9	SAMPLE SS8 - GRID B5	Total/NA	Solid	3546	
240-80352-10	SAMPLE SS9 - GRID C17	Total/NA	Solid	3546	
240-80352-11	SAMPLE SS10 - GRID C52	Total/NA	Solid	3546	
240-80352-13 - RE	SAMPLE SS11 - GRID C75	Total/NA	Solid	3546	
MB 240-282410/22-A	Method Blank	Total/NA	Solid	3546	
LCS 240-282410/23-A	Lab Control Sample	Total/NA	Solid	3546	
240-80352-2MS	SAMPLE SS1 - GRID A50	Total/NA	Solid	3546	
240-80352-2MSD	SAMPLE SS1 - GRID A50	Total/NA	Solid	3546	

Analysis Batch: 282735

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80352-2	SAMPLE SS1 - GRID A50	Total/NA	Solid	8081A	281803
240-80352-3	SAMPLE SS2 - GRID A27	Total/NA	Solid	8081A	281803
240-80352-3	SAMPLE SS2 - GRID A27	Total/NA	Solid	8081A	281803
240-80352-5	SAMPLE SS4 - GRID D77	Total/NA	Solid	8081A	281803
240-80352-5	SAMPLE SS4 - GRID D77	Total/NA	Solid	8081A	281803
240-80352-6	SAMPLE SS5 - GRID B65	Total/NA	Solid	8081A	281803
240-80352-7	SAMPLE SS6 - GRID B65	Total/NA	Solid	8081A	281803
240-80352-9	SAMPLE SS8 - GRID B5	Total/NA	Solid	8081A	281803

GC Semi VOA (Continued)

Analysis Batch: 282735 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80352-10	SAMPLE SS9 - GRID C17	Total/NA	Solid	8081A	281803
240-80352-11	SAMPLE SS10 - GRID C52	Total/NA	Solid	8081A	281803
240-80352-13	SAMPLE SS11 - GRID C75	Total/NA	Solid	8081A	281803
240-80352-13	SAMPLE SS11 - GRID C75	Total/NA	Solid	8081A	281803
240-80352-2MS	SAMPLE SS1 - GRID A50	Total/NA	Solid	8081A	281803
240-80352-2MSD	SAMPLE SS1 - GRID A50	Total/NA	Solid	8081A	281803

Analysis Batch: 282786

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80352-2	SAMPLE SS1 - GRID A50	Total/NA	Solid	8015B	282410
240-80352-3	SAMPLE SS2 - GRID A27	Total/NA	Solid	8015B	282410
240-80352-4	SAMPLE SS3 - GRID A13	Total/NA	Solid	8015B	282410
240-80352-5	SAMPLE SS4 - GRID D77	Total/NA	Solid	8015B	282410
240-80352-6	SAMPLE SS5 - GRID B65	Total/NA	Solid	8015B	282410
240-80352-7	SAMPLE SS6 - GRID B65	Total/NA	Solid	8015B	282410
MB 240-282410/22-A	Method Blank	Total/NA	Solid	8015B	282410
LCS 240-282410/23-A	Lab Control Sample	Total/NA	Solid	8015B	282410
240-80352-2MS	SAMPLE SS1 - GRID A50	Total/NA	Solid	8015B	282410
240-80352-2MSD	SAMPLE SS1 - GRID A50	Total/NA	Solid	8015B	282410

Analysis Batch: 282837

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80352-2	SAMPLE SS1 - GRID A50	Total/NA	Solid	8151A	282372
240-80352-3	SAMPLE SS2 - GRID A27	Total/NA	Solid	8151A	282372
240-80352-4	SAMPLE SS3 - GRID A13	Total/NA	Solid	8151A	282372
240-80352-5	SAMPLE SS4 - GRID D77	Total/NA	Solid	8151A	282372
240-80352-6	SAMPLE SS5 - GRID B65	Total/NA	Solid	8151A	282372
240-80352-7	SAMPLE SS6 - GRID B65	Total/NA	Solid	8151A	282372
240-80352-8	SAMPLE SS7 - GRID B12	Total/NA	Solid	8151A	282372
240-80352-9	SAMPLE SS8 - GRID B5	Total/NA	Solid	8151A	282372
240-80352-10	SAMPLE SS9 - GRID C17	Total/NA	Solid	8151A	282372
240-80352-11	SAMPLE SS10 - GRID C52	Total/NA	Solid	8151A	282372
240-80352-13	SAMPLE SS11 - GRID C75	Total/NA	Solid	8151A	282372
MB 240-282372/16-A	Method Blank	Total/NA	Solid	8151A	282372
LCS 240-282372/17-A	Lab Control Sample	Total/NA	Solid	8151A	282372
240-80352-2MS	SAMPLE SS1 - GRID A50	Total/NA	Solid	8151A	282372
240-80352-2MSD	SAMPLE SS1 - GRID A50	Total/NA	Solid	8151A	282372

Analysis Batch: 283036

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80352-8	SAMPLE SS7 - GRID B12	Total/NA	Solid	8015B	282410
240-80352-9	SAMPLE SS8 - GRID B5	Total/NA	Solid	8015B	282410
240-80352-10	SAMPLE SS9 - GRID C17	Total/NA	Solid	8015B	282410
240-80352-11	SAMPLE SS10 - GRID C52	Total/NA	Solid	8015B	282410
240-80352-13 - RE	SAMPLE SS11 - GRID C75	Total/NA	Solid	8015B	282410

Metals

Filtration Batch: 213057

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
PB 180-213057/1-E	Method Blank	SEM/AVS	Sediment	Filtration	

Prep Batch: 213480

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80352-14	SAMPLE SS1 - GRID A50	SEM/AVS	Sediment	AVSSEM	
240-80352-15	SAMPLE SS2 - GRID A27	SEM/AVS	Sediment	AVSSEM	
240-80352-16	SAMPLE SS3 - GRID A13	SEM/AVS	Sediment	AVSSEM	
240-80352-17	SAMPLE SS4 - GRID D77	SEM/AVS	Sediment	AVSSEM	
240-80352-18	SAMPLE SS5 - GRID B65	SEM/AVS	Sediment	AVSSEM	
240-80352-19	SAMPLE SS6 - GRID B65	SEM/AVS	Sediment	AVSSEM	
240-80352-20	SAMPLE SS7 - GRID B12	SEM/AVS	Sediment	AVSSEM	
240-80352-21	SAMPLE SS8 - GRID B5	SEM/AVS	Sediment	AVSSEM	
240-80352-22	SAMPLE SS9 - GRID C17	SEM/AVS	Sediment	AVSSEM	
240-80352-23	SAMPLE SS10 - GRID C52	SEM/AVS	Sediment	AVSSEM	
240-80352-24	SAMPLE SS10DUP - GRID C52	SEM/AVS	Sediment	AVSSEM	
240-80352-25	SAMPLE SS11 - GRID C75	SEM/AVS	Sediment	AVSSEM	
MB 180-213480/1-A	Method Blank	SEM/AVS	Sediment	AVSSEM	
MB 180-213480/1-B	Method Blank	SEM/AVS	Sediment	AVSSEM	
LCS 180-213480/2-A	Lab Control Sample	SEM/AVS	Sediment	AVSSEM	
LCS 180-213480/2-B	Lab Control Sample	SEM/AVS	Sediment	AVSSEM	
240-80352-14 MS	SAMPLE SS1 - GRID A50	SEM/AVS	Sediment	AVSSEM	
240-80352-14 MSD	SAMPLE SS1 - GRID A50	SEM/AVS	Sediment	AVSSEM	

Prep Batch: 213717

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
PB 180-213057/1-E	Method Blank	SEM/AVS	Sediment	200.7	213057

Analysis Batch: 213969

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80352-14	SAMPLE SS1 - GRID A50	SEM/AVS	Sediment	6010C	213480
240-80352-15	SAMPLE SS2 - GRID A27	SEM/AVS	Sediment	6010C	213480
240-80352-16	SAMPLE SS3 - GRID A13	SEM/AVS	Sediment	6010C	213480
240-80352-17	SAMPLE SS4 - GRID D77	SEM/AVS	Sediment	6010C	213480
240-80352-17	SAMPLE SS4 - GRID D77	SEM/AVS	Sediment	6010C	213480
240-80352-18	SAMPLE SS5 - GRID B65	SEM/AVS	Sediment	6010C	213480
240-80352-19	SAMPLE SS6 - GRID B65	SEM/AVS	Sediment	6010C	213480
240-80352-20	SAMPLE SS7 - GRID B12	SEM/AVS	Sediment	6010C	213480
240-80352-20	SAMPLE SS7 - GRID B12	SEM/AVS	Sediment	6010C	213480
240-80352-21	SAMPLE SS8 - GRID B5	SEM/AVS	Sediment	6010C	213480
240-80352-22	SAMPLE SS9 - GRID C17	SEM/AVS	Sediment	6010C	213480
240-80352-23	SAMPLE SS10 - GRID C52	SEM/AVS	Sediment	6010C	213480
240-80352-24	SAMPLE SS10DUP - GRID C52	SEM/AVS	Sediment	6010C	213480
240-80352-25	SAMPLE SS11 - GRID C75	SEM/AVS	Sediment	6010C	213480
MB 180-213480/1-A	Method Blank	SEM/AVS	Sediment	6010C	213480
PB 180-213057/1-E	Method Blank	SEM/AVS	Sediment	6010C	213717
LCS 180-213480/2-A	Lab Control Sample	SEM/AVS	Sediment	6010C	213480
240-80352-14 MS	SAMPLE SS1 - GRID A50	SEM/AVS	Sediment	6010C	213480
240-80352-14 MSD	SAMPLE SS1 - GRID A50	SEM/AVS	Sediment	6010C	213480

Metals (Continued)

Analysis Batch: 214202

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80352-14	SAMPLE SS1 - GRID A50	SEM/AVS	Sediment	SEM	
240-80352-15	SAMPLE SS2 - GRID A27	SEM/AVS	Sediment	SEM	
240-80352-16	SAMPLE SS3 - GRID A13	SEM/AVS	Sediment	SEM	
240-80352-17	SAMPLE SS4 - GRID D77	SEM/AVS	Sediment	SEM	
240-80352-18	SAMPLE SS5 - GRID B65	SEM/AVS	Sediment	SEM	
240-80352-19	SAMPLE SS6 - GRID B65	SEM/AVS	Sediment	SEM	
240-80352-20	SAMPLE SS7 - GRID B12	SEM/AVS	Sediment	SEM	
240-80352-21	SAMPLE SS8 - GRID B5	SEM/AVS	Sediment	SEM	
240-80352-22	SAMPLE SS9 - GRID C17	SEM/AVS	Sediment	SEM	
240-80352-23	SAMPLE SS10 - GRID C52	SEM/AVS	Sediment	SEM	
240-80352-24	SAMPLE SS10DUP - GRID C52	SEM/AVS	Sediment	SEM	
240-80352-25	SAMPLE SS11 - GRID C75	SEM/AVS	Sediment	SEM	

Prep Batch: 214380

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80352-14	SAMPLE SS1 - GRID A50	SEM/AVS	Sediment	7470A	213480
240-80352-15	SAMPLE SS2 - GRID A27	SEM/AVS	Sediment	7470A	213480
240-80352-16	SAMPLE SS3 - GRID A13	SEM/AVS	Sediment	7470A	213480
240-80352-17	SAMPLE SS4 - GRID D77	SEM/AVS	Sediment	7470A	213480
240-80352-18	SAMPLE SS5 - GRID B65	SEM/AVS	Sediment	7470A	213480
240-80352-19	SAMPLE SS6 - GRID B65	SEM/AVS	Sediment	7470A	213480
240-80352-20	SAMPLE SS7 - GRID B12	SEM/AVS	Sediment	7470A	213480
240-80352-21	SAMPLE SS8 - GRID B5	SEM/AVS	Sediment	7470A	213480
240-80352-22	SAMPLE SS9 - GRID C17	SEM/AVS	Sediment	7470A	213480
240-80352-23	SAMPLE SS10 - GRID C52	SEM/AVS	Sediment	7470A	213480
240-80352-24	SAMPLE SS10DUP - GRID C52	SEM/AVS	Sediment	7470A	213480
240-80352-25	SAMPLE SS11 - GRID C75	SEM/AVS	Sediment	7470A	213480
MB 180-213480/1-B	Method Blank	SEM/AVS	Sediment	7470A	213480
LCS 180-213480/2-B	Lab Control Sample	SEM/AVS	Sediment	7470A	213480
240-80352-14 MS	SAMPLE SS1 - GRID A50	SEM/AVS	Sediment	7470A	213480
240-80352-14 MSD	SAMPLE SS1 - GRID A50	SEM/AVS	Sediment	7470A	213480

Analysis Batch: 214484

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80352-14	SAMPLE SS1 - GRID A50	SEM/AVS	Sediment	7470A	214380
240-80352-15	SAMPLE SS2 - GRID A27	SEM/AVS	Sediment	7470A	214380
240-80352-16	SAMPLE SS3 - GRID A13	SEM/AVS	Sediment	7470A	214380
240-80352-17	SAMPLE SS4 - GRID D77	SEM/AVS	Sediment	7470A	214380
240-80352-18	SAMPLE SS5 - GRID B65	SEM/AVS	Sediment	7470A	214380
240-80352-19	SAMPLE SS6 - GRID B65	SEM/AVS	Sediment	7470A	214380
240-80352-20	SAMPLE SS7 - GRID B12	SEM/AVS	Sediment	7470A	214380
240-80352-21	SAMPLE SS8 - GRID B5	SEM/AVS	Sediment	7470A	214380
240-80352-22	SAMPLE SS9 - GRID C17	SEM/AVS	Sediment	7470A	214380
240-80352-23	SAMPLE SS10 - GRID C52	SEM/AVS	Sediment	7470A	214380
240-80352-24	SAMPLE SS10DUP - GRID C52	SEM/AVS	Sediment	7470A	214380
240-80352-25	SAMPLE SS11 - GRID C75	SEM/AVS	Sediment	7470A	214380
MB 180-213480/1-B	Method Blank	SEM/AVS	Sediment	7470A	214380
LCS 180-213480/2-B	Lab Control Sample	SEM/AVS	Sediment	7470A	214380
240-80352-14 MS	SAMPLE SS1 - GRID A50	SEM/AVS	Sediment	7470A	214380
240-80352-14 MSD	SAMPLE SS1 - GRID A50	SEM/AVS	Sediment	7470A	214380

Metals (Continued)

Prep Batch: 281832

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80352-2	SAMPLE SS1 - GRID A50	Total/NA	Solid	3050B	
240-80352-3	SAMPLE SS2 - GRID A27	Total/NA	Solid	3050B	
240-80352-4	SAMPLE SS3 - GRID A13	Total/NA	Solid	3050B	
240-80352-5	SAMPLE SS4 - GRID D77	Total/NA	Solid	3050B	
240-80352-6	SAMPLE SS5 - GRID B65	Total/NA	Solid	3050B	
240-80352-7	SAMPLE SS6 - GRID B65	Total/NA	Solid	3050B	
240-80352-8	SAMPLE SS7 - GRID B12	Total/NA	Solid	3050B	
240-80352-9	SAMPLE SS8 - GRID B5	Total/NA	Solid	3050B	
240-80352-10	SAMPLE SS9 - GRID C17	Total/NA	Solid	3050B	
240-80352-11	SAMPLE SS10 - GRID C52	Total/NA	Solid	3050B	
240-80352-13	SAMPLE SS11 - GRID C75	Total/NA	Solid	3050B	
MB 240-281832/1-A	Method Blank	Total/NA	Solid	3050B	
MB 240-281832/1-A ^2	Method Blank	Total/NA	Solid	3050B	
LCS 240-281832/2-A	Lab Control Sample	Total/NA	Solid	3050B	
LCS 240-281832/3-A ^2	Lab Control Sample	Total/NA	Solid	3050B	
240-80352-2MS	SAMPLE SS1 - GRID A50	Total/NA	Solid	3050B	
240-80352-2MS	SAMPLE SS1 - GRID A50	Total/NA	Solid	3050B	
240-80352-2MSD	SAMPLE SS1 - GRID A50	Total/NA	Solid	3050B	
240-80352-2MSD	SAMPLE SS1 - GRID A50	Total/NA	Solid	3050B	

Prep Batch: 281856

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80352-2	SAMPLE SS1 - GRID A50	Total/NA	Solid	7471A	
240-80352-3	SAMPLE SS2 - GRID A27	Total/NA	Solid	7471A	
240-80352-4	SAMPLE SS3 - GRID A13	Total/NA	Solid	7471A	
240-80352-5	SAMPLE SS4 - GRID D77	Total/NA	Solid	7471A	
240-80352-6	SAMPLE SS5 - GRID B65	Total/NA	Solid	7471A	
240-80352-7	SAMPLE SS6 - GRID B65	Total/NA	Solid	7471A	
240-80352-8	SAMPLE SS7 - GRID B12	Total/NA	Solid	7471A	
240-80352-9	SAMPLE SS8 - GRID B5	Total/NA	Solid	7471A	
240-80352-10	SAMPLE SS9 - GRID C17	Total/NA	Solid	7471A	
240-80352-11	SAMPLE SS10 - GRID C52	Total/NA	Solid	7471A	
240-80352-13	SAMPLE SS11 - GRID C75	Total/NA	Solid	7471A	
MB 240-281856/1-A	Method Blank	Total/NA	Solid	7471A	
LCS 240-281856/2-A	Lab Control Sample	Total/NA	Solid	7471A	
240-80352-2MS	SAMPLE SS1 - GRID A50	Total/NA	Solid	7471A	
240-80352-2MSD	SAMPLE SS1 - GRID A50	Total/NA	Solid	7471A	

Analysis Batch: 282035

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80352-2	SAMPLE SS1 - GRID A50	Total/NA	Solid	7471A	281856
240-80352-3	SAMPLE SS2 - GRID A27	Total/NA	Solid	7471A	281856
240-80352-4	SAMPLE SS3 - GRID A13	Total/NA	Solid	7471A	281856
240-80352-5	SAMPLE SS4 - GRID D77	Total/NA	Solid	7471A	281856
240-80352-6	SAMPLE SS5 - GRID B65	Total/NA	Solid	7471A	281856
240-80352-7	SAMPLE SS6 - GRID B65	Total/NA	Solid	7471A	281856
240-80352-8	SAMPLE SS7 - GRID B12	Total/NA	Solid	7471A	281856
240-80352-9	SAMPLE SS8 - GRID B5	Total/NA	Solid	7471A	281856
240-80352-10	SAMPLE SS9 - GRID C17	Total/NA	Solid	7471A	281856
240-80352-11	SAMPLE SS10 - GRID C52	Total/NA	Solid	7471A	281856
240-80352-13	SAMPLE SS11 - GRID C75	Total/NA	Solid	7471A	281856

Metals (Continued)

Analysis Batch: 282035 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 240-281856/1-A	Method Blank	Total/NA	Solid	7471A	281856
LCS 240-281856/2-A	Lab Control Sample	Total/NA	Solid	7471A	281856
240-80352-2MS	SAMPLE SS1 - GRID A50	Total/NA	Solid	7471A	281856
240-80352-2MSD	SAMPLE SS1 - GRID A50	Total/NA	Solid	7471A	281856

Analysis Batch: 282044

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80352-2	SAMPLE SS1 - GRID A50	Total/NA	Solid	6010B	281832
240-80352-3	SAMPLE SS2 - GRID A27	Total/NA	Solid	6010B	281832
240-80352-4	SAMPLE SS3 - GRID A13	Total/NA	Solid	6010B	281832
240-80352-5	SAMPLE SS4 - GRID D77	Total/NA	Solid	6010B	281832
240-80352-6	SAMPLE SS5 - GRID B65	Total/NA	Solid	6010B	281832
240-80352-7	SAMPLE SS6 - GRID B65	Total/NA	Solid	6010B	281832
240-80352-8	SAMPLE SS7 - GRID B12	Total/NA	Solid	6010B	281832
240-80352-9	SAMPLE SS8 - GRID B5	Total/NA	Solid	6010B	281832
240-80352-10	SAMPLE SS9 - GRID C17	Total/NA	Solid	6010B	281832
240-80352-11	SAMPLE SS10 - GRID C52	Total/NA	Solid	6010B	281832
240-80352-13	SAMPLE SS11 - GRID C75	Total/NA	Solid	6010B	281832
MB 240-281832/1-A	Method Blank	Total/NA	Solid	6010B	281832
LCS 240-281832/2-A	Lab Control Sample	Total/NA	Solid	6010B	281832
240-80352-2MS	SAMPLE SS1 - GRID A50	Total/NA	Solid	6010B	281832
240-80352-2MSD	SAMPLE SS1 - GRID A50	Total/NA	Solid	6010B	281832

Analysis Batch: 282368

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80352-2	SAMPLE SS1 - GRID A50	Total/NA	Solid	6020	281832
240-80352-3	SAMPLE SS2 - GRID A27	Total/NA	Solid	6020	281832
240-80352-4	SAMPLE SS3 - GRID A13	Total/NA	Solid	6020	281832
240-80352-5	SAMPLE SS4 - GRID D77	Total/NA	Solid	6020	281832
240-80352-6	SAMPLE SS5 - GRID B65	Total/NA	Solid	6020	281832
240-80352-7	SAMPLE SS6 - GRID B65	Total/NA	Solid	6020	281832
240-80352-8	SAMPLE SS7 - GRID B12	Total/NA	Solid	6020	281832
240-80352-9	SAMPLE SS8 - GRID B5	Total/NA	Solid	6020	281832
240-80352-10	SAMPLE SS9 - GRID C17	Total/NA	Solid	6020	281832
240-80352-11	SAMPLE SS10 - GRID C52	Total/NA	Solid	6020	281832
240-80352-13	SAMPLE SS11 - GRID C75	Total/NA	Solid	6020	281832
MB 240-281832/1-A ^2	Method Blank	Total/NA	Solid	6020	281832
LCS 240-281832/3-A ^2	Lab Control Sample	Total/NA	Solid	6020	281832
240-80352-2MS	SAMPLE SS1 - GRID A50	Total/NA	Solid	6020	281832
240-80352-2MSD	SAMPLE SS1 - GRID A50	Total/NA	Solid	6020	281832

Analysis Batch: 282669

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80352-2	SAMPLE SS1 - GRID A50	Total/NA	Solid	6020	281832
240-80352-3	SAMPLE SS2 - GRID A27	Total/NA	Solid	6020	281832
240-80352-4	SAMPLE SS3 - GRID A13	Total/NA	Solid	6020	281832
240-80352-5	SAMPLE SS4 - GRID D77	Total/NA	Solid	6020	281832
240-80352-6	SAMPLE SS5 - GRID B65	Total/NA	Solid	6020	281832
240-80352-7	SAMPLE SS6 - GRID B65	Total/NA	Solid	6020	281832
240-80352-8	SAMPLE SS7 - GRID B12	Total/NA	Solid	6020	281832
240-80352-9	SAMPLE SS8 - GRID B5	Total/NA	Solid	6020	281832

Metals (Continued)

Analysis Batch: 282669 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80352-10	SAMPLE SS9 - GRID C17	Total/NA	Solid	6020	281832
240-80352-11	SAMPLE SS10 - GRID C52	Total/NA	Solid	6020	281832
240-80352-13	SAMPLE SS11 - GRID C75	Total/NA	Solid	6020	281832
MB 240-281832/1-A ^2	Method Blank	Total/NA	Solid	6020	281832
LCS 240-281832/3-A ^2	Lab Control Sample	Total/NA	Solid	6020	281832
240-80352-2MS	SAMPLE SS1 - GRID A50	Total/NA	Solid	6020	281832
240-80352-2MSD	SAMPLE SS1 - GRID A50	Total/NA	Solid	6020	281832

General Chemistry

Analysis Batch: 213405

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80352-14	SAMPLE SS1 - GRID A50	Total/NA	Sediment	2540G	
240-80352-15	SAMPLE SS2 - GRID A27	Total/NA	Sediment	2540G	
240-80352-16	SAMPLE SS3 - GRID A13	Total/NA	Sediment	2540G	
240-80352-17	SAMPLE SS4 - GRID D77	Total/NA	Sediment	2540G	
240-80352-18	SAMPLE SS5 - GRID B65	Total/NA	Sediment	2540G	
240-80352-19	SAMPLE SS6 - GRID B65	Total/NA	Sediment	2540G	
240-80352-20	SAMPLE SS7 - GRID B12	Total/NA	Sediment	2540G	
240-80352-21	SAMPLE SS8 - GRID B5	Total/NA	Sediment	2540G	
240-80352-22	SAMPLE SS9 - GRID C17	Total/NA	Sediment	2540G	
240-80352-23	SAMPLE SS10 - GRID C52	Total/NA	Sediment	2540G	
240-80352-24	SAMPLE SS10DUP - GRID C52	Total/NA	Sediment	2540G	
240-80352-25	SAMPLE SS11 - GRID C75	Total/NA	Sediment	2540G	
240-80352-21 DU	SAMPLE SS8 - GRID B5	Total/NA	Sediment	2540G	

Prep Batch: 213476

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80352-14	SAMPLE SS1 - GRID A50	SEM/AVS	Sediment	AVSSEM	
240-80352-15	SAMPLE SS2 - GRID A27	SEM/AVS	Sediment	AVSSEM	
240-80352-16	SAMPLE SS3 - GRID A13	SEM/AVS	Sediment	AVSSEM	
240-80352-17	SAMPLE SS4 - GRID D77	SEM/AVS	Sediment	AVSSEM	
240-80352-18	SAMPLE SS5 - GRID B65	SEM/AVS	Sediment	AVSSEM	
240-80352-19	SAMPLE SS6 - GRID B65	SEM/AVS	Sediment	AVSSEM	
240-80352-20	SAMPLE SS7 - GRID B12	SEM/AVS	Sediment	AVSSEM	
240-80352-21	SAMPLE SS8 - GRID B5	SEM/AVS	Sediment	AVSSEM	
240-80352-22	SAMPLE SS9 - GRID C17	SEM/AVS	Sediment	AVSSEM	
240-80352-23	SAMPLE SS10 - GRID C52	SEM/AVS	Sediment	AVSSEM	
240-80352-24	SAMPLE SS10DUP - GRID C52	SEM/AVS	Sediment	AVSSEM	
240-80352-25	SAMPLE SS11 - GRID C75	SEM/AVS	Sediment	AVSSEM	
MB 180-213476/1-A	Method Blank	SEM/AVS	Sediment	AVSSEM	
LCS 180-213476/2-A	Lab Control Sample	SEM/AVS	Sediment	AVSSEM	
240-80352-14 MS	SAMPLE SS1 - GRID A50	SEM/AVS	Sediment	AVSSEM	
240-80352-14 MSD	SAMPLE SS1 - GRID A50	SEM/AVS	Sediment	AVSSEM	

Analysis Batch: 213511

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80352-14	SAMPLE SS1 - GRID A50	SEM/AVS	Sediment	9034	213476
240-80352-15	SAMPLE SS2 - GRID A27	SEM/AVS	Sediment	9034	213476
240-80352-16	SAMPLE SS3 - GRID A13	SEM/AVS	Sediment	9034	213476

General Chemistry (Continued)

Analysis Batch: 213511 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80352-17	SAMPLE SS4 - GRID D77	SEM/AVS	Sediment	9034	213476
240-80352-18	SAMPLE SS5 - GRID B65	SEM/AVS	Sediment	9034	213476
240-80352-19	SAMPLE SS6 - GRID B65	SEM/AVS	Sediment	9034	213476
240-80352-20	SAMPLE SS7 - GRID B12	SEM/AVS	Sediment	9034	213476
240-80352-21	SAMPLE SS8 - GRID B5	SEM/AVS	Sediment	9034	213476
240-80352-22	SAMPLE SS9 - GRID C17	SEM/AVS	Sediment	9034	213476
240-80352-23	SAMPLE SS10 - GRID C52	SEM/AVS	Sediment	9034	213476
240-80352-24	SAMPLE SS10DUP - GRID C52	SEM/AVS	Sediment	9034	213476
240-80352-25	SAMPLE SS11 - GRID C75	SEM/AVS	Sediment	9034	213476
MB 180-213476/1-A	Method Blank	SEM/AVS	Sediment	9034	213476
LCS 180-213476/2-A	Lab Control Sample	SEM/AVS	Sediment	9034	213476
240-80352-14 MS	SAMPLE SS1 - GRID A50	SEM/AVS	Sediment	9034	213476
240-80352-14 MSD	SAMPLE SS1 - GRID A50	SEM/AVS	Sediment	9034	213476

Analysis Batch: 214148

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80352-2	SAMPLE SS1 - GRID A50	Total/NA	Solid	Lloyd Kahn	
240-80352-3	SAMPLE SS2 - GRID A27	Total/NA	Solid	Lloyd Kahn	
240-80352-4	SAMPLE SS3 - GRID A13	Total/NA	Solid	Lloyd Kahn	
240-80352-5	SAMPLE SS4 - GRID D77	Total/NA	Solid	Lloyd Kahn	
240-80352-6	SAMPLE SS5 - GRID B65	Total/NA	Solid	Lloyd Kahn	
240-80352-7	SAMPLE SS6 - GRID B65	Total/NA	Solid	Lloyd Kahn	
240-80352-8	SAMPLE SS7 - GRID B12	Total/NA	Solid	Lloyd Kahn	
240-80352-9	SAMPLE SS8 - GRID B5	Total/NA	Solid	Lloyd Kahn	
240-80352-10	SAMPLE SS9 - GRID C17	Total/NA	Solid	Lloyd Kahn	
240-80352-11	SAMPLE SS10 - GRID C52	Total/NA	Solid	Lloyd Kahn	
240-80352-13	SAMPLE SS11 - GRID C75	Total/NA	Solid	Lloyd Kahn	
MB 180-214148/4	Method Blank	Total/NA	Solid	Lloyd Kahn	
LCS 180-214148/5	Lab Control Sample	Total/NA	Solid	Lloyd Kahn	
240-80352-2MS	SAMPLE SS1 - GRID A50	Total/NA	Solid	Lloyd Kahn	
240-80352-2MSD	SAMPLE SS1 - GRID A50	Total/NA	Solid	Lloyd Kahn	
240-80352-2 DU	SAMPLE SS1 - GRID A50	Total/NA	Solid	Lloyd Kahn	

Analysis Batch: 281590

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80352-2	SAMPLE SS1 - GRID A50	Total/NA	Solid	Moisture	
240-80352-3	SAMPLE SS2 - GRID A27	Total/NA	Solid	Moisture	
240-80352-4	SAMPLE SS3 - GRID A13	Total/NA	Solid	Moisture	
240-80352-5	SAMPLE SS4 - GRID D77	Total/NA	Solid	Moisture	
240-80352-6	SAMPLE SS5 - GRID B65	Total/NA	Solid	Moisture	
240-80352-7	SAMPLE SS6 - GRID B65	Total/NA	Solid	Moisture	
240-80352-8	SAMPLE SS7 - GRID B12	Total/NA	Solid	Moisture	
240-80352-9	SAMPLE SS8 - GRID B5	Total/NA	Solid	Moisture	
240-80352-10	SAMPLE SS9 - GRID C17	Total/NA	Solid	Moisture	
240-80352-11	SAMPLE SS10 - GRID C52	Total/NA	Solid	Moisture	
240-80352-12	SAMPLE SS10DUP - GRID C52	Total/NA	Solid	Moisture	
240-80352-13	SAMPLE SS11 - GRID C75	Total/NA	Solid	Moisture	
240-80352-2 DU	SAMPLE SS1 - GRID A50	Total/NA	Solid	Moisture	

Geotechnical

Analysis Batch: 117535

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80352-2	SAMPLE SS1 - GRID A50	Total/NA	Solid	D422	
240-80352-3	SAMPLE SS2 - GRID A27	Total/NA	Solid	D422	
240-80352-4	SAMPLE SS3 - GRID A13	Total/NA	Solid	D422	
240-80352-5	SAMPLE SS4 - GRID D77	Total/NA	Solid	D422	
240-80352-6	SAMPLE SS5 - GRID B65	Total/NA	Solid	D422	
240-80352-7	SAMPLE SS6 - GRID B65	Total/NA	Solid	D422	
240-80352-8	SAMPLE SS7 - GRID B12	Total/NA	Solid	D422	
240-80352-9	SAMPLE SS8 - GRID B5	Total/NA	Solid	D422	
240-80352-10	SAMPLE SS9 - GRID C17	Total/NA	Solid	D422	
240-80352-11	SAMPLE SS10 - GRID C52	Total/NA	Solid	D422	
240-80352-12	SAMPLE SS10DUP - GRID C52	Total/NA	Solid	D422	
240-80352-13	SAMPLE SS11 - GRID C75	Total/NA	Solid	D422	
240-80352-2 DU	SAMPLE SS1 - GRID A50	Total/NA	Solid	D422	

Analysis Batch: 281989

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80352-11 MSD	SAMPLE SS10 - GRID C52	Total/NA	Solid	8260B	282021

Prep Batch: 282021

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80352-11 MSD	SAMPLE SS10 - GRID C52	Total/NA	Solid	5030A	

Lab Chronicle

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron Ohio

TestAmerica Job ID: 240-80352-1

Client Sample ID: TRIP BLANK
Lab Sample ID: 240-80352-1
Date Collected: 06/01/17 08:00
Matrix: Water
Date Received: 06/02/17 12:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	283237	06/15/17 12:37	LEE	TAL CAN

Client Sample ID: SAMPLE SS1 - GRID A50
Lab Sample ID: 240-80352-2
Date Collected: 06/01/17 09:50
Matrix: Solid
Date Received: 06/02/17 12:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	281590	06/05/17 08:34	PW	TAL CAN
Total/NA	Analysis	D422		1	117535	06/06/17 21:31	MAP	TAL BUR

Client Sample ID: SAMPLE SS1 - GRID A50
Lab Sample ID: 240-80352-2
Date Collected: 06/01/17 09:50
Matrix: Solid
Date Received: 06/02/17 12:50
Percent Solids: 30.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030A			281848	06/06/17 11:43	SAM	TAL CAN
Total/NA	Analysis	8260A		1	281810	06/06/17 14:36	SAM	TAL CAN
Total/NA	Prep	3540C			281795	06/06/17 08:39	JT	TAL CAN
Total/NA	Analysis	8270C		6.66666	282121	06/08/17 15:06	TMH	TAL CAN
Total/NA	Prep	3546			282410	06/09/17 10:51	JT	TAL CAN
Total/NA	Analysis	8015B		5	282786	06/13/17 18:19	DEB	TAL CAN
Total/NA	Prep	3540C			281803	06/06/17 09:50	DT	TAL CAN
Total/NA	Analysis	8081A		1	282394	06/09/17 16:21	BPM	TAL CAN
Total/NA	Prep	3540C			281803	06/06/17 09:50	DT	TAL CAN
Total/NA	Analysis	8081A		20	282735	06/12/17 18:58	OCR	TAL CAN
Total/NA	Prep	3540C			281799	06/06/17 09:31	DT	TAL CAN
Total/NA	Analysis	8082		1	282041	06/07/17 19:19	KMG	TAL CAN
Total/NA	Prep	3546			282372	06/09/17 08:29	JT	TAL CAN
Total/NA	Analysis	8151A		1	282837	06/13/17 17:08	RTR	TAL CAN
Total/NA	Prep	3050B			281832	06/06/17 11:24	DEE	TAL CAN
Total/NA	Analysis	6010B		1	282044	06/07/17 13:55	KLC	TAL CAN
Total/NA	Prep	3050B			281832	06/06/17 11:24	DEE	TAL CAN
Total/NA	Analysis	6020		2	282368	06/09/17 01:40	DSH	TAL CAN
Total/NA	Prep	3050B			281832	06/06/17 11:24	DEE	TAL CAN
Total/NA	Analysis	6020		2	282669	06/09/17 22:01	AS1	TAL CAN
Total/NA	Prep	7471A			281856	06/06/17 16:00	DEE	TAL CAN
Total/NA	Analysis	7471A		1	282035	06/07/17 11:26	DTN	TAL CAN
Total/NA	Analysis	Lloyd Kahn		1	214148	06/13/17 14:41	JBF	TAL PIT

Client Sample ID: SAMPLE SS2 - GRID A27

Lab Sample ID: 240-80352-3

Date Collected: 06/01/17 10:49

Matrix: Solid

Date Received: 06/02/17 12:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	281590	06/05/17 08:34	PW	TAL CAN
Total/NA	Analysis	D422		1	117535	06/06/17 21:38	MAP	TAL BUR

Client Sample ID: SAMPLE SS2 - GRID A27

Lab Sample ID: 240-80352-3

Date Collected: 06/01/17 10:49

Matrix: Solid

Date Received: 06/02/17 12:50

Percent Solids: 40.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030A			281848	06/06/17 11:43	SAM	TAL CAN
Total/NA	Analysis	8260A		1	281810	06/06/17 14:58	SAM	TAL CAN
Total/NA	Prep	5030A			281848	06/06/17 11:43	SAM	TAL CAN
Total/NA	Analysis	8260A		1	281810	06/06/17 18:54	SAM	TAL CAN
Total/NA	Prep	5030B			281652	06/05/17 11:17	LAM	TAL CAN
Total/NA	Analysis	8260A		1	281989	06/07/17 18:07	SAM	TAL CAN
Total/NA	Prep	3540C			281609	06/05/17 09:24	JT	TAL CAN
Total/NA	Analysis	8270C		20	281929	06/07/17 18:09	TMH	TAL CAN
Total/NA	Prep	3546			282410	06/09/17 10:51	JT	TAL CAN
Total/NA	Analysis	8015B		10	282786	06/13/17 20:35	DEB	TAL CAN
Total/NA	Prep	3540C			281803	06/06/17 09:50	DT	TAL CAN
Total/NA	Analysis	8081A		5	282735	06/12/17 17:16	OCR	TAL CAN
Total/NA	Prep	3540C			281803	06/06/17 09:50	DT	TAL CAN
Total/NA	Analysis	8081A		50	282735	06/12/17 20:14	OCR	TAL CAN
Total/NA	Prep	3540C			281595	06/05/17 08:38	JT	TAL CAN
Total/NA	Analysis	8082		1	281921	06/07/17 08:41	KMG	TAL CAN
Total/NA	Prep	3546			282372	06/09/17 08:29	JT	TAL CAN
Total/NA	Analysis	8151A		1	282837	06/13/17 18:42	RTR	TAL CAN
Total/NA	Prep	3050B			281832	06/06/17 11:24	DEE	TAL CAN
Total/NA	Analysis	6010B		1	282044	06/07/17 19:42	KLC	TAL CAN
Total/NA	Prep	3050B			281832	06/06/17 11:24	DEE	TAL CAN
Total/NA	Analysis	6020		2	282368	06/09/17 02:05	DSH	TAL CAN
Total/NA	Prep	3050B			281832	06/06/17 11:24	DEE	TAL CAN
Total/NA	Analysis	6020		2	282669	06/09/17 22:34	AS1	TAL CAN
Total/NA	Prep	7471A			281856	06/06/17 16:00	DEE	TAL CAN
Total/NA	Analysis	7471A		1	282035	06/07/17 11:34	DTN	TAL CAN
Total/NA	Analysis	Lloyd Kahn		1	214148	06/13/17 15:22	JBF	TAL PIT

Client Sample ID: SAMPLE SS3 - GRID A13

Lab Sample ID: 240-80352-4

Date Collected: 06/01/17 11:30

Matrix: Solid

Date Received: 06/02/17 12:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	281590	06/05/17 08:34	PW	TAL CAN
Total/NA	Analysis	D422		1	117535	06/06/17 21:40	MAP	TAL BUR

Client Sample ID: SAMPLE SS3 - GRID A13

Lab Sample ID: 240-80352-4
Date Collected: 06/01/17 11:30
Matrix: Solid
Date Received: 06/02/17 12:50
Percent Solids: 26.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030A			281848	06/06/17 11:43	SAM	TAL CAN
Total/NA	Analysis	8260A		1	281810	06/06/17 19:15	SAM	TAL CAN
Total/NA	Prep	3540C			281609	06/05/17 09:24	JT	TAL CAN
Total/NA	Analysis	8270C		1	281929	06/07/17 14:11	TMH	TAL CAN
Total/NA	Prep	3546			282410	06/09/17 10:51	JT	TAL CAN
Total/NA	Analysis	8015B		2	282786	06/13/17 21:03	DEB	TAL CAN
Total/NA	Prep	3540C			281803	06/06/17 09:50	DT	TAL CAN
Total/NA	Analysis	8081A		10	282394	06/09/17 18:03	BPM	TAL CAN
Total/NA	Prep	3540C			281595	06/05/17 08:38	JT	TAL CAN
Total/NA	Analysis	8082		1	281921	06/07/17 09:01	KMG	TAL CAN
Total/NA	Prep	3546			282372	06/09/17 08:29	JT	TAL CAN
Total/NA	Analysis	8151A		1	282837	06/13/17 19:14	RTR	TAL CAN
Total/NA	Prep	3050B			281832	06/06/17 11:24	DEE	TAL CAN
Total/NA	Analysis	6010B		1	282044	06/07/17 19:47	KLC	TAL CAN
Total/NA	Prep	3050B			281832	06/06/17 11:24	DEE	TAL CAN
Total/NA	Analysis	6020		2	282368	06/09/17 02:17	DSH	TAL CAN
Total/NA	Prep	3050B			281832	06/06/17 11:24	DEE	TAL CAN
Total/NA	Analysis	6020		2	282669	06/09/17 22:38	AS1	TAL CAN
Total/NA	Prep	7471A			281856	06/06/17 16:00	DEE	TAL CAN
Total/NA	Analysis	7471A		1	282035	06/07/17 11:37	DTN	TAL CAN
Total/NA	Analysis	Lloyd Kahn		1	214148	06/13/17 15:32	JBF	TAL PIT

Client Sample ID: SAMPLE SS4 - GRID D77

Lab Sample ID: 240-80352-5
Date Collected: 06/01/17 12:10
Matrix: Solid
Date Received: 06/02/17 12:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	281590	06/05/17 08:34	PW	TAL CAN
Total/NA	Analysis	D422		1	117535	06/06/17 21:42	MAP	TAL BUR

Client Sample ID: SAMPLE SS4 - GRID D77

Lab Sample ID: 240-80352-5
Date Collected: 06/01/17 12:10
Matrix: Solid
Date Received: 06/02/17 12:50
Percent Solids: 41.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030A			281848	06/06/17 11:43	SAM	TAL CAN
Total/NA	Analysis	8260A		1	281810	06/06/17 15:40	SAM	TAL CAN
Total/NA	Prep	5030B			281652	06/05/17 11:17	LAM	TAL CAN
Total/NA	Analysis	8260A		1	281989	06/07/17 16:41	SAM	TAL CAN
Total/NA	Prep	3540C			281795	06/06/17 08:39	JT	TAL CAN
Total/NA	Analysis	8270C		50	282121	06/08/17 17:53	TMH	TAL CAN
Total/NA	Prep	3546			282410	06/09/17 10:51	JT	TAL CAN
Total/NA	Analysis	8015B		10	282786	06/13/17 21:31	DEB	TAL CAN

Client Sample ID: SAMPLE SS4 - GRID D77

Lab Sample ID: 240-80352-5
Date Collected: 06/01/17 12:10
Matrix: Solid
Date Received: 06/02/17 12:50
Percent Solids: 41.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			281803	06/06/17 09:50	DT	TAL CAN
Total/NA	Analysis	8081A		5	282735	06/12/17 17:42	OCR	TAL CAN
Total/NA	Prep	3540C			281803	06/06/17 09:50	DT	TAL CAN
Total/NA	Analysis	8081A		20	282735	06/12/17 20:40	OCR	TAL CAN
Total/NA	Prep	3540C			281595	06/05/17 08:38	JT	TAL CAN
Total/NA	Analysis	8082		1	281921	06/07/17 09:20	KMG	TAL CAN
Total/NA	Prep	3546			282372	06/09/17 08:29	JT	TAL CAN
Total/NA	Analysis	8151A		1	282837	06/13/17 19:45	RTR	TAL CAN
Total/NA	Prep	3050B			281832	06/06/17 11:24	DEE	TAL CAN
Total/NA	Analysis	6010B		1	282044	06/07/17 19:51	KLC	TAL CAN
Total/NA	Prep	3050B			281832	06/06/17 11:24	DEE	TAL CAN
Total/NA	Analysis	6020		2	282368	06/09/17 02:21	DSH	TAL CAN
Total/NA	Prep	3050B			281832	06/06/17 11:24	DEE	TAL CAN
Total/NA	Analysis	6020		2	282669	06/09/17 22:42	AS1	TAL CAN
Total/NA	Prep	7471A			281856	06/06/17 16:00	DEE	TAL CAN
Total/NA	Analysis	7471A		1	282035	06/07/17 11:39	DTN	TAL CAN
Total/NA	Analysis	Lloyd Kahn		1	214148	06/13/17 15:42	JBF	TAL PIT

Client Sample ID: SAMPLE SS5 - GRID B65

Lab Sample ID: 240-80352-6
Date Collected: 06/01/17 13:55
Matrix: Solid
Date Received: 06/02/17 12:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	281590	06/05/17 08:34	PW	TAL CAN
Total/NA	Analysis	D422		1	117535	06/06/17 21:44	MAP	TAL BUR

Client Sample ID: SAMPLE SS5 - GRID B65

Lab Sample ID: 240-80352-6
Date Collected: 06/01/17 13:55
Matrix: Solid
Date Received: 06/02/17 12:50
Percent Solids: 28.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030A			281848	06/06/17 11:43	SAM	TAL CAN
Total/NA	Analysis	8260A		1	281810	06/06/17 16:02	SAM	TAL CAN
Total/NA	Prep	3540C			281609	06/05/17 09:24	JT	TAL CAN
Total/NA	Analysis	8270C		1	281929	06/07/17 15:46	TMH	TAL CAN
Total/NA	Prep	3546			282410	06/09/17 10:51	JT	TAL CAN
Total/NA	Analysis	8015B		5	282786	06/13/17 21:58	DEB	TAL CAN
Total/NA	Prep	3540C			281803	06/06/17 09:50	DT	TAL CAN
Total/NA	Analysis	8081A		1	282394	06/09/17 18:54	BPM	TAL CAN
Total/NA	Prep	3540C			281803	06/06/17 09:50	DT	TAL CAN
Total/NA	Analysis	8081A		20	282735	06/12/17 21:05	OCR	TAL CAN
Total/NA	Prep	3540C			281595	06/05/17 08:38	JT	TAL CAN
Total/NA	Analysis	8082		1	281921	06/07/17 09:40	KMG	TAL CAN

Client Sample ID: SAMPLE SS5 - GRID B65

Lab Sample ID: 240-80352-6

Date Collected: 06/01/17 13:55
Matrix: Solid
Date Received: 06/02/17 12:50
Percent Solids: 28.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			282372	06/09/17 08:29	JT	TAL CAN
Total/NA	Analysis	8151A		1	282837	06/13/17 20:17	RTR	TAL CAN
Total/NA	Prep	3050B			281832	06/06/17 11:24	DEE	TAL CAN
Total/NA	Analysis	6010B		1	282044	06/07/17 19:56	KLC	TAL CAN
Total/NA	Prep	3050B			281832	06/06/17 11:24	DEE	TAL CAN
Total/NA	Analysis	6020		2	282368	06/09/17 02:25	DSH	TAL CAN
Total/NA	Prep	3050B			281832	06/06/17 11:24	DEE	TAL CAN
Total/NA	Analysis	6020		2	282669	06/09/17 22:46	AS1	TAL CAN
Total/NA	Prep	7471A			281856	06/06/17 16:00	DEE	TAL CAN
Total/NA	Analysis	7471A		1	282035	06/07/17 11:45	DTN	TAL CAN
Total/NA	Analysis	Lloyd Kahn		1	214148	06/13/17 16:12	JBF	TAL PIT

Client Sample ID: SAMPLE SS6 - GRID B65

Lab Sample ID: 240-80352-7

Date Collected: 06/01/17 16:35
Matrix: Solid
Date Received: 06/02/17 12:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	281590	06/05/17 08:34	PW	TAL CAN
Total/NA	Analysis	D422		1	117535	06/06/17 21:45	MAP	TAL BUR

Client Sample ID: SAMPLE SS6 - GRID B65

Lab Sample ID: 240-80352-7

Date Collected: 06/01/17 16:35
Matrix: Solid
Date Received: 06/02/17 12:50
Percent Solids: 28.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030A			281848	06/06/17 11:43	SAM	TAL CAN
Total/NA	Analysis	8260A		1	281810	06/06/17 16:23	SAM	TAL CAN
Total/NA	Prep	3540C			281609	06/05/17 09:24	JT	TAL CAN
Total/NA	Analysis	8270C		1	281929	06/07/17 14:35	TMH	TAL CAN
Total/NA	Prep	3546			282410	06/09/17 10:51	JT	TAL CAN
Total/NA	Analysis	8015B		5	282786	06/13/17 22:26	DEB	TAL CAN
Total/NA	Prep	3540C			281803	06/06/17 09:50	DT	TAL CAN
Total/NA	Analysis	8081A		1	282394	06/09/17 19:19	BPM	TAL CAN
Total/NA	Prep	3540C			281803	06/06/17 09:50	DT	TAL CAN
Total/NA	Analysis	8081A		20	282735	06/12/17 21:31	OCR	TAL CAN
Total/NA	Prep	3540C			281595	06/05/17 08:38	JT	TAL CAN
Total/NA	Analysis	8082		1	281921	06/07/17 09:59	KMG	TAL CAN
Total/NA	Prep	3546			282372	06/09/17 08:29	JT	TAL CAN
Total/NA	Analysis	8151A		1	282837	06/13/17 21:19	RTR	TAL CAN
Total/NA	Prep	3050B			281832	06/06/17 11:24	DEE	TAL CAN
Total/NA	Analysis	6010B		1	282044	06/07/17 20:00	KLC	TAL CAN
Total/NA	Prep	3050B			281832	06/06/17 11:24	DEE	TAL CAN
Total/NA	Analysis	6020		2	282368	06/09/17 02:30	DSH	TAL CAN

Lab Chronicle

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron Ohio

TestAmerica Job ID: 240-80352-1

Client Sample ID: SAMPLE SS6 - GRID B65

Lab Sample ID: 240-80352-7
Date Collected: 06/01/17 16:35
Matrix: Solid
Date Received: 06/02/17 12:50
Percent Solids: 28.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			281832	06/06/17 11:24	DEE	TAL CAN
Total/NA	Analysis	6020		2	282669	06/09/17 22:50	AS1	TAL CAN
Total/NA	Prep	7471A			281856	06/06/17 16:00	DEE	TAL CAN
Total/NA	Analysis	7471A		1	282035	06/07/17 11:47	DTN	TAL CAN
Total/NA	Analysis	Lloyd Kahn		1	214148	06/13/17 16:23	JBF	TAL PIT

Client Sample ID: SAMPLE SS7 - GRID B12

Lab Sample ID: 240-80352-8
Date Collected: 06/01/17 14:55
Matrix: Solid
Date Received: 06/02/17 12:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	281590	06/05/17 08:34	PW	TAL CAN
Total/NA	Analysis	D422		1	117535	06/08/17 18:55	MAP	TAL BUR

Client Sample ID: SAMPLE SS7 - GRID B12

Lab Sample ID: 240-80352-8
Date Collected: 06/01/17 14:55
Matrix: Solid
Date Received: 06/02/17 12:50
Percent Solids: 22.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030A			281848	06/06/17 11:43	SAM	TAL CAN
Total/NA	Analysis	8260A		1	281810	06/06/17 16:45	SAM	TAL CAN
Total/NA	Prep	3540C			281609	06/05/17 09:24	JT	TAL CAN
Total/NA	Analysis	8270C		1	281929	06/07/17 14:58	TMH	TAL CAN
Total/NA	Prep	3546			282410	06/09/17 10:51	JT	TAL CAN
Total/NA	Analysis	8015B		5	283036	06/14/17 21:05	DEB	TAL CAN
Total/NA	Prep	3540C			281803	06/06/17 09:50	DT	TAL CAN
Total/NA	Analysis	8081A		20	282394	06/09/17 19:44	BPM	TAL CAN
Total/NA	Prep	3540C			281595	06/05/17 08:38	JT	TAL CAN
Total/NA	Analysis	8082		1	281921	06/07/17 10:18	KMG	TAL CAN
Total/NA	Prep	3546			282372	06/09/17 08:29	JT	TAL CAN
Total/NA	Analysis	8151A		1	282837	06/13/17 21:51	RTR	TAL CAN
Total/NA	Prep	3050B			281832	06/06/17 11:24	DEE	TAL CAN
Total/NA	Analysis	6010B		1	282044	06/07/17 20:04	KLC	TAL CAN
Total/NA	Prep	3050B			281832	06/06/17 11:24	DEE	TAL CAN
Total/NA	Analysis	6020		2	282368	06/09/17 02:34	DSH	TAL CAN
Total/NA	Prep	3050B			281832	06/06/17 11:24	DEE	TAL CAN
Total/NA	Analysis	6020		2	282669	06/09/17 22:55	AS1	TAL CAN
Total/NA	Prep	7471A			281856	06/06/17 16:00	DEE	TAL CAN
Total/NA	Analysis	7471A		1	282035	06/07/17 11:49	DTN	TAL CAN
Total/NA	Analysis	Lloyd Kahn		1	214148	06/13/17 15:52	JBF	TAL PIT

Client Sample ID: SAMPLE SS8 - GRID B5

Lab Sample ID: 240-80352-9
Date Collected: 06/01/17 15:30
Matrix: Solid
Date Received: 06/02/17 12:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	281590	06/05/17 08:34	PW	TAL CAN
Total/NA	Analysis	D422		1	117535	06/08/17 18:57	MAP	TAL BUR

Client Sample ID: SAMPLE SS8 - GRID B5

Lab Sample ID: 240-80352-9
Date Collected: 06/01/17 15:30
Matrix: Solid
Date Received: 06/02/17 12:50
Percent Solids: 58.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030A			281848	06/06/17 11:43	SAM	TAL CAN
Total/NA	Analysis	8260A		1	281810	06/06/17 17:06	SAM	TAL CAN
Total/NA	Prep	3540C			281609	06/05/17 09:24	JT	TAL CAN
Total/NA	Analysis	8270C		1	281929	06/07/17 15:22	TMH	TAL CAN
Total/NA	Prep	3546			282410	06/09/17 10:51	JT	TAL CAN
Total/NA	Analysis	8015B		1	283036	06/14/17 21:37	DEB	TAL CAN
Total/NA	Prep	3540C			281803	06/06/17 09:50	DT	TAL CAN
Total/NA	Analysis	8081A		1	282394	06/09/17 20:10	BPM	TAL CAN
Total/NA	Prep	3540C			281803	06/06/17 09:50	DT	TAL CAN
Total/NA	Analysis	8081A		20	282735	06/12/17 21:56	OCR	TAL CAN
Total/NA	Prep	3540C			281595	06/05/17 08:38	JT	TAL CAN
Total/NA	Analysis	8082		1	281921	06/07/17 10:38	KMG	TAL CAN
Total/NA	Prep	3546			282372	06/09/17 08:29	JT	TAL CAN
Total/NA	Analysis	8151A		1	282837	06/13/17 22:22	RTR	TAL CAN
Total/NA	Prep	3050B			281832	06/06/17 11:24	DEE	TAL CAN
Total/NA	Analysis	6010B		1	282044	06/07/17 20:09	KLC	TAL CAN
Total/NA	Prep	3050B			281832	06/06/17 11:24	DEE	TAL CAN
Total/NA	Analysis	6020		2	282368	06/09/17 02:38	DSH	TAL CAN
Total/NA	Prep	3050B			281832	06/06/17 11:24	DEE	TAL CAN
Total/NA	Analysis	6020		2	282669	06/09/17 22:59	AS1	TAL CAN
Total/NA	Prep	7471A			281856	06/06/17 16:00	DEE	TAL CAN
Total/NA	Analysis	7471A		1	282035	06/07/17 11:51	DTN	TAL CAN
Total/NA	Analysis	Lloyd Kahn		1	214148	06/13/17 16:33	JBF	TAL PIT

Client Sample ID: SAMPLE SS9 - GRID C17

Lab Sample ID: 240-80352-10
Date Collected: 06/01/17 17:20
Matrix: Solid
Date Received: 06/02/17 12:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	281590	06/05/17 08:34	PW	TAL CAN
Total/NA	Analysis	D422		1	117535	06/08/17 19:00	MAP	TAL BUR

Client Sample ID: SAMPLE SS9 - GRID C17

Lab Sample ID: 240-80352-10
Date Collected: 06/01/17 17:20
Matrix: Solid
Date Received: 06/02/17 12:50
Percent Solids: 19.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030A			281848	06/06/17 11:43	SAM	TAL CAN
Total/NA	Analysis	8260A		1	281810	06/06/17 17:28	SAM	TAL CAN
Total/NA	Prep	5030A			282021	06/07/17 11:43	SAM	TAL CAN
Total/NA	Analysis	8260A		1	281989	06/07/17 15:15	SAM	TAL CAN
Total/NA	Prep	3540C			281609	06/05/17 09:24	JT	TAL CAN
Total/NA	Analysis	8270C		10	281929	06/07/17 17:45	TMH	TAL CAN
Total/NA	Prep	3546			282410	06/09/17 10:51	JT	TAL CAN
Total/NA	Analysis	8015B		5	283036	06/14/17 22:08	DEB	TAL CAN
Total/NA	Prep	3540C			281803	06/06/17 09:50	DT	TAL CAN
Total/NA	Analysis	8081A		1	282394	06/09/17 20:35	BPM	TAL CAN
Total/NA	Prep	3540C			281803	06/06/17 09:50	DT	TAL CAN
Total/NA	Analysis	8081A		20	282735	06/12/17 22:21	OCR	TAL CAN
Total/NA	Prep	3540C			281595	06/05/17 08:38	JT	TAL CAN
Total/NA	Analysis	8082		1	281921	06/07/17 10:57	KMG	TAL CAN
Total/NA	Prep	3546			282372	06/09/17 08:29	JT	TAL CAN
Total/NA	Analysis	8151A		1	282837	06/13/17 22:54	RTR	TAL CAN
Total/NA	Prep	3050B			281832	06/06/17 11:24	DEE	TAL CAN
Total/NA	Analysis	6010B		1	282044	06/07/17 20:22	KLC	TAL CAN
Total/NA	Prep	3050B			281832	06/06/17 11:24	DEE	TAL CAN
Total/NA	Analysis	6020		2	282368	06/09/17 02:42	DSH	TAL CAN
Total/NA	Prep	3050B			281832	06/06/17 11:24	DEE	TAL CAN
Total/NA	Analysis	6020		2	282669	06/09/17 23:03	AS1	TAL CAN
Total/NA	Prep	7471A			281856	06/06/17 16:00	DEE	TAL CAN
Total/NA	Analysis	7471A		1	282035	06/07/17 11:53	DTN	TAL CAN
Total/NA	Analysis	Lloyd Kahn		1	214148	06/13/17 16:43	JBF	TAL PIT

Client Sample ID: SAMPLE SS10 - GRID C52

Lab Sample ID: 240-80352-11
Date Collected: 06/01/17 18:00
Matrix: Solid
Date Received: 06/02/17 12:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	281590	06/05/17 08:34	PW	TAL CAN
Total/NA	Analysis	D422		1	117535	06/08/17 19:01	MAP	TAL BUR

Client Sample ID: SAMPLE SS10 - GRID C52

Lab Sample ID: 240-80352-11
Date Collected: 06/01/17 18:00
Matrix: Solid
Date Received: 06/02/17 12:50
Percent Solids: 33.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030A			282021	06/07/17 11:43	SAM	TAL CAN
Total/NA	Analysis	8260A		1	281989	06/07/17 13:28	SAM	TAL CAN
Total/NA	Prep	5030A			282021	06/07/17 11:43	SAM	TAL CAN
Total/NA	Analysis	8260A		1	281989	06/07/17 14:32	SAM	TAL CAN

Client Sample ID: SAMPLE SS10 - GRID C52

Lab Sample ID: 240-80352-11
Date Collected: 06/01/17 18:00
Matrix: Solid
Date Received: 06/02/17 12:50
Percent Solids: 33.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			281609	06/05/17 09:24	JT	TAL CAN
Total/NA	Analysis	8270C		10	281929	06/07/17 17:21	TMH	TAL CAN
Total/NA	Prep	3546			282410	06/09/17 10:51	JT	TAL CAN
Total/NA	Analysis	8015B		1	283036	06/14/17 22:39	DEB	TAL CAN
Total/NA	Prep	3540C			281803	06/06/17 09:50	DT	TAL CAN
Total/NA	Analysis	8081A		1	282394	06/09/17 21:00	BPM	TAL CAN
Total/NA	Prep	3540C			281803	06/06/17 09:50	DT	TAL CAN
Total/NA	Analysis	8081A		20	282735	06/12/17 22:47	OCR	TAL CAN
Total/NA	Prep	3540C			281595	06/05/17 08:38	JT	TAL CAN
Total/NA	Analysis	8082		1	281921	06/07/17 11:17	KMG	TAL CAN
Total/NA	Prep	3546			282372	06/09/17 08:29	JT	TAL CAN
Total/NA	Analysis	8151A		1	282837	06/13/17 23:25	RTR	TAL CAN
Total/NA	Prep	3050B			281832	06/06/17 11:24	DEE	TAL CAN
Total/NA	Analysis	6010B		1	282044	06/07/17 20:26	KLC	TAL CAN
Total/NA	Prep	3050B			281832	06/06/17 11:24	DEE	TAL CAN
Total/NA	Analysis	6020		2	282368	06/09/17 02:47	DSH	TAL CAN
Total/NA	Prep	3050B			281832	06/06/17 11:24	DEE	TAL CAN
Total/NA	Analysis	6020		2	282669	06/09/17 23:07	AS1	TAL CAN
Total/NA	Prep	7471A			281856	06/06/17 16:00	DEE	TAL CAN
Total/NA	Analysis	7471A		1	282035	06/07/17 11:55	DTN	TAL CAN
Total/NA	Analysis	Lloyd Kahn		1	214148	06/13/17 17:12	JBF	TAL PIT

Client Sample ID: SAMPLE SS10DUP - GRID C52

Lab Sample ID: 240-80352-12
Date Collected: 06/01/17 18:00
Matrix: Solid
Date Received: 06/02/17 12:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	281590	06/05/17 08:34	PW	TAL CAN
Total/NA	Analysis	D422		1	117535	06/08/17 19:03	MAP	TAL BUR

Client Sample ID: SAMPLE SS11 - GRID C75

Lab Sample ID: 240-80352-13
Date Collected: 06/01/17 18:50
Matrix: Solid
Date Received: 06/02/17 12:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	281590	06/05/17 08:34	PW	TAL CAN
Total/NA	Analysis	D422		1	117535	06/08/17 19:05	MAP	TAL BUR

Lab Chronicle

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron Ohio

TestAmerica Job ID: 240-80352-1

Client Sample ID: SAMPLE SS11 - GRID C75

Lab Sample ID: 240-80352-13
Date Collected: 06/01/17 18:50
Matrix: Solid
Date Received: 06/02/17 12:50
Percent Solids: 18.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030A			281848	06/06/17 11:43	SAM	TAL CAN
Total/NA	Analysis	8260A		1	281810	06/06/17 18:11	SAM	TAL CAN
Total/NA	Prep	3540C			281609	06/05/17 09:24	JT	TAL CAN
Total/NA	Analysis	8270C		1	281929	06/07/17 16:10	TMH	TAL CAN
Total/NA	Prep	3546	RE		282410	06/09/17 10:51	JT	TAL CAN
Total/NA	Analysis	8015B	RE	1	283036	06/14/17 23:10	DEB	TAL CAN
Total/NA	Prep	3540C			281803	06/06/17 09:50	DT	TAL CAN
Total/NA	Analysis	8081A		5	282735	06/12/17 18:07	OCR	TAL CAN
Total/NA	Prep	3540C			281803	06/06/17 09:50	DT	TAL CAN
Total/NA	Analysis	8081A		20	282735	06/12/17 23:12	OCR	TAL CAN
Total/NA	Prep	3540C			281595	06/05/17 08:38	JT	TAL CAN
Total/NA	Analysis	8082		1	281921	06/07/17 11:36	KMG	TAL CAN
Total/NA	Prep	3546			282372	06/09/17 08:29	JT	TAL CAN
Total/NA	Analysis	8151A		1	282837	06/13/17 23:56	RTR	TAL CAN
Total/NA	Prep	3050B			281832	06/06/17 11:24	DEE	TAL CAN
Total/NA	Analysis	6010B		1	282044	06/07/17 20:31	KLC	TAL CAN
Total/NA	Prep	3050B			281832	06/06/17 11:24	DEE	TAL CAN
Total/NA	Analysis	6020		2	282368	06/09/17 02:51	DSH	TAL CAN
Total/NA	Prep	3050B			281832	06/06/17 11:24	DEE	TAL CAN
Total/NA	Analysis	6020		2	282669	06/09/17 23:11	AS1	TAL CAN
Total/NA	Prep	7471A			281856	06/06/17 16:00	DEE	TAL CAN
Total/NA	Analysis	7471A		1	282035	06/07/17 11:57	DTN	TAL CAN
Total/NA	Analysis	Lloyd Kahn		1	214148	06/13/17 17:23	JBF	TAL PIT

Client Sample ID: SAMPLE SS1 - GRID A50

Lab Sample ID: 240-80352-14
Date Collected: 06/01/17 09:50
Matrix: Sediment
Date Received: 06/02/17 12:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
SEM/AVS	Prep	AVSSEM			213480	06/07/17 12:00	JJZ	TAL PIT
SEM/AVS	Analysis	6010C		1	213969	06/12/17 14:08	RJG	TAL PIT
SEM/AVS	Analysis	SEM		1	214202	06/14/17 13:21	MM1	TAL PIT
Total/NA	Analysis	2540G		1	213405	06/06/17 15:57	JTL	TAL PIT

Client Sample ID: SAMPLE SS1 - GRID A50

Lab Sample ID: 240-80352-14
Date Collected: 06/01/17 09:50
Matrix: Sediment
Date Received: 06/02/17 12:50
Percent Solids: 29.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
SEM/AVS	Prep	AVSSEM			213480	06/07/17 12:00	JJZ	TAL PIT
SEM/AVS	Prep	7470A			214380	06/15/17 14:51	RJR	TAL PIT
SEM/AVS	Analysis	7470A		1	214484	06/16/17 11:55	RJR	TAL PIT
SEM/AVS	Prep	AVSSEM			213476	06/07/17 12:00	JJZ	TAL PIT

Client Sample ID: SAMPLE SS1 - GRID A50

Lab Sample ID: 240-80352-14
Date Collected: 06/01/17 09:50
Matrix: Sediment
Date Received: 06/02/17 12:50
Percent Solids: 29.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
SEM/AVS	Analysis	9034		1	213511	06/07/17 14:48	JJZ	TAL PIT

Client Sample ID: SAMPLE SS2 - GRID A27

Lab Sample ID: 240-80352-15
Date Collected: 06/01/17 10:49
Matrix: Sediment
Date Received: 06/02/17 12:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
SEM/AVS	Prep	AVSSEM			213480	06/07/17 12:00	JJZ	TAL PIT
SEM/AVS	Analysis	6010C		1	213969	06/12/17 14:34	RJG	TAL PIT
SEM/AVS	Analysis	SEM		1	214202	06/14/17 13:21	MM1	TAL PIT
Total/NA	Analysis	2540G		1	213405	06/06/17 15:57	JTL	TAL PIT

Client Sample ID: SAMPLE SS2 - GRID A27

Lab Sample ID: 240-80352-15
Date Collected: 06/01/17 10:49
Matrix: Sediment
Date Received: 06/02/17 12:50
Percent Solids: 40.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
SEM/AVS	Prep	AVSSEM			213480	06/07/17 12:00	JJZ	TAL PIT
SEM/AVS	Prep	7470A			214380	06/15/17 14:51	RJR	TAL PIT
SEM/AVS	Analysis	7470A		1	214484	06/16/17 12:01	RJR	TAL PIT
SEM/AVS	Prep	AVSSEM			213476	06/07/17 12:00	JJZ	TAL PIT
SEM/AVS	Analysis	9034		1	213511	06/07/17 14:50	JJZ	TAL PIT

Client Sample ID: SAMPLE SS3 - GRID A13

Lab Sample ID: 240-80352-16
Date Collected: 06/01/17 11:30
Matrix: Sediment
Date Received: 06/02/17 12:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
SEM/AVS	Prep	AVSSEM			213480	06/07/17 12:00	JJZ	TAL PIT
SEM/AVS	Analysis	6010C		1	213969	06/12/17 14:40	RJG	TAL PIT
SEM/AVS	Analysis	SEM		1	214202	06/14/17 13:21	MM1	TAL PIT
Total/NA	Analysis	2540G		1	213405	06/06/17 15:57	JTL	TAL PIT

Client Sample ID: SAMPLE SS3 - GRID A13

Lab Sample ID: 240-80352-16
Date Collected: 06/01/17 11:30
Matrix: Sediment
Date Received: 06/02/17 12:50
Percent Solids: 26.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
SEM/AVS	Prep	AVSSEM			213480	06/07/17 12:00	JJZ	TAL PIT
SEM/AVS	Prep	7470A			214380	06/15/17 14:51	RJR	TAL PIT
SEM/AVS	Analysis	7470A		1	214484	06/16/17 12:03	RJR	TAL PIT
SEM/AVS	Prep	AVSSEM			213476	06/07/17 12:00	JJZ	TAL PIT
SEM/AVS	Analysis	9034		1	213511	06/07/17 14:52	JJZ	TAL PIT

Client Sample ID: SAMPLE SS4 - GRID D77

Lab Sample ID: 240-80352-17
Date Collected: 06/01/17 12:10
Matrix: Sediment
Date Received: 06/02/17 12:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
SEM/AVS	Prep	AVSSEM			213480	06/07/17 12:00	JJZ	TAL PIT
SEM/AVS	Analysis	6010C		1	213969	06/12/17 14:55	RJG	TAL PIT
SEM/AVS	Prep	AVSSEM			213480	06/07/17 12:00	JJZ	TAL PIT
SEM/AVS	Analysis	6010C		2	213969	06/12/17 15:58	RJG	TAL PIT
SEM/AVS	Analysis	SEM		1	214202	06/14/17 13:21	MM1	TAL PIT
Total/NA	Analysis	2540G		1	213405	06/06/17 15:57	JTL	TAL PIT

Client Sample ID: SAMPLE SS4 - GRID D77

Lab Sample ID: 240-80352-17
Date Collected: 06/01/17 12:10
Matrix: Sediment
Date Received: 06/02/17 12:50
Percent Solids: 42.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
SEM/AVS	Prep	AVSSEM			213480	06/07/17 12:00	JJZ	TAL PIT
SEM/AVS	Prep	7470A			214380	06/15/17 14:51	RJR	TAL PIT
SEM/AVS	Analysis	7470A		1	214484	06/16/17 12:06	RJR	TAL PIT
SEM/AVS	Prep	AVSSEM			213476	06/07/17 12:00	JJZ	TAL PIT
SEM/AVS	Analysis	9034		1	213511	06/07/17 14:55	JJZ	TAL PIT

Client Sample ID: SAMPLE SS5 - GRID B65

Lab Sample ID: 240-80352-18
Date Collected: 06/01/17 13:55
Matrix: Sediment
Date Received: 06/02/17 12:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
SEM/AVS	Prep	AVSSEM			213480	06/07/17 12:00	JJZ	TAL PIT
SEM/AVS	Analysis	6010C		1	213969	06/12/17 15:01	RJG	TAL PIT
SEM/AVS	Analysis	SEM		1	214202	06/14/17 13:21	MM1	TAL PIT
Total/NA	Analysis	2540G		1	213405	06/06/17 15:57	JTL	TAL PIT

Client Sample ID: SAMPLE SS5 - GRID B65

Lab Sample ID: 240-80352-18
Date Collected: 06/01/17 13:55
Matrix: Sediment
Date Received: 06/02/17 12:50
Percent Solids: 29.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
SEM/AVS	Prep	AVSSEM			213480	06/07/17 12:00	JJZ	TAL PIT
SEM/AVS	Prep	7470A			214380	06/15/17 14:51	RJR	TAL PIT
SEM/AVS	Analysis	7470A		1	214484	06/16/17 12:08	RJR	TAL PIT
SEM/AVS	Prep	AVSSEM			213476	06/07/17 12:00	JJZ	TAL PIT
SEM/AVS	Analysis	9034		1	213511	06/07/17 14:57	JJZ	TAL PIT

Client Sample ID: SAMPLE SS6 - GRID B65

Lab Sample ID: 240-80352-19

Date Collected: 06/01/17 16:35

Matrix: Sediment

Date Received: 06/02/17 12:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
SEM/AVS	Prep	AVSSEM			213480	06/07/17 12:00	JJZ	TAL PIT
SEM/AVS	Analysis	6010C		1	213969	06/12/17 15:06	RJG	TAL PIT
SEM/AVS	Analysis	SEM		1	214202	06/14/17 13:21	MM1	TAL PIT
Total/NA	Analysis	2540G		1	213405	06/06/17 15:57	JTL	TAL PIT

Client Sample ID: SAMPLE SS6 - GRID B65

Lab Sample ID: 240-80352-19

Date Collected: 06/01/17 16:35

Matrix: Sediment

Date Received: 06/02/17 12:50

Percent Solids: 12.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
SEM/AVS	Prep	AVSSEM			213480	06/07/17 12:00	JJZ	TAL PIT
SEM/AVS	Prep	7470A			214380	06/15/17 14:51	RJR	TAL PIT
SEM/AVS	Analysis	7470A		1	214484	06/16/17 12:10	RJR	TAL PIT
SEM/AVS	Prep	AVSSEM			213476	06/07/17 12:00	JJZ	TAL PIT
SEM/AVS	Analysis	9034		1	213511	06/07/17 14:59	JJZ	TAL PIT

Client Sample ID: SAMPLE SS7 - GRID B12

Lab Sample ID: 240-80352-20

Date Collected: 06/01/17 14:55

Matrix: Sediment

Date Received: 06/02/17 12:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
SEM/AVS	Prep	AVSSEM			213480	06/07/17 12:00	JJZ	TAL PIT
SEM/AVS	Analysis	6010C		1	213969	06/12/17 15:11	RJG	TAL PIT
SEM/AVS	Prep	AVSSEM			213480	06/07/17 12:00	JJZ	TAL PIT
SEM/AVS	Analysis	6010C		2	213969	06/12/17 16:04	RJG	TAL PIT
SEM/AVS	Analysis	SEM		1	214202	06/14/17 13:21	MM1	TAL PIT
Total/NA	Analysis	2540G		1	213405	06/06/17 15:57	JTL	TAL PIT

Client Sample ID: SAMPLE SS7 - GRID B12

Lab Sample ID: 240-80352-20

Date Collected: 06/01/17 14:55

Matrix: Sediment

Date Received: 06/02/17 12:50

Percent Solids: 30.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
SEM/AVS	Prep	AVSSEM			213480	06/07/17 12:00	JJZ	TAL PIT
SEM/AVS	Prep	7470A			214380	06/15/17 14:51	RJR	TAL PIT
SEM/AVS	Analysis	7470A		1	214484	06/16/17 12:12	RJR	TAL PIT
SEM/AVS	Prep	AVSSEM			213476	06/07/17 12:00	JJZ	TAL PIT
SEM/AVS	Analysis	9034		1	213511	06/07/17 15:01	JJZ	TAL PIT

Client Sample ID: SAMPLE SS8 - GRID B5

Lab Sample ID: 240-80352-21

Date Collected: 06/01/17 15:30

Matrix: Sediment

Date Received: 06/02/17 12:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
SEM/AVS	Prep	AVSSEM			213480	06/07/17 12:00	JJZ	TAL PIT
SEM/AVS	Analysis	6010C		1	213969	06/12/17 15:16	RJG	TAL PIT
SEM/AVS	Analysis	SEM		1	214202	06/14/17 13:21	MM1	TAL PIT
Total/NA	Analysis	2540G		1	213405	06/06/17 15:57	JTL	TAL PIT

Client Sample ID: SAMPLE SS8 - GRID B5

Lab Sample ID: 240-80352-21

Date Collected: 06/01/17 15:30

Matrix: Sediment

Date Received: 06/02/17 12:50

Percent Solids: 61.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
SEM/AVS	Prep	AVSSEM			213480	06/07/17 12:00	JJZ	TAL PIT
SEM/AVS	Prep	7470A			214380	06/15/17 14:51	RJR	TAL PIT
SEM/AVS	Analysis	7470A		1	214484	06/16/17 12:18	RJR	TAL PIT
SEM/AVS	Prep	AVSSEM			213476	06/07/17 12:00	JJZ	TAL PIT
SEM/AVS	Analysis	9034		1	213511	06/07/17 15:03	JJZ	TAL PIT

Client Sample ID: SAMPLE SS9 - GRID C17

Lab Sample ID: 240-80352-22

Date Collected: 06/01/17 17:20

Matrix: Sediment

Date Received: 06/02/17 12:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
SEM/AVS	Prep	AVSSEM			213480	06/07/17 12:00	JJZ	TAL PIT
SEM/AVS	Analysis	6010C		1	213969	06/12/17 15:22	RJG	TAL PIT
SEM/AVS	Analysis	SEM		1	214202	06/14/17 13:21	MM1	TAL PIT
Total/NA	Analysis	2540G		1	213405	06/06/17 15:57	JTL	TAL PIT

Client Sample ID: SAMPLE SS9 - GRID C17

Lab Sample ID: 240-80352-22

Date Collected: 06/01/17 17:20

Matrix: Sediment

Date Received: 06/02/17 12:50

Percent Solids: 21.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
SEM/AVS	Prep	AVSSEM			213480	06/07/17 12:00	JJZ	TAL PIT
SEM/AVS	Prep	7470A			214380	06/15/17 14:51	RJR	TAL PIT
SEM/AVS	Analysis	7470A		1	214484	06/16/17 12:20	RJR	TAL PIT
SEM/AVS	Prep	AVSSEM			213476	06/07/17 12:00	JJZ	TAL PIT
SEM/AVS	Analysis	9034		1	213511	06/07/17 15:10	JJZ	TAL PIT

Client Sample ID: SAMPLE SS10 - GRID C52

Lab Sample ID: 240-80352-23

Date Collected: 06/01/17 18:00

Matrix: Sediment

Date Received: 06/02/17 12:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
SEM/AVS	Prep	AVSSEM			213480	06/07/17 12:00	JJZ	TAL PIT

Client Sample ID: SAMPLE SS10 - GRID C52
Lab Sample ID: 240-80352-23
Date Collected: 06/01/17 18:00
Matrix: Sediment
Date Received: 06/02/17 12:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
SEM/AVS	Analysis	6010C		1	213969	06/12/17 15:27	RJG	TAL PIT
SEM/AVS	Analysis	SEM		1	214202	06/14/17 13:21	MM1	TAL PIT
Total/NA	Analysis	2540G		1	213405	06/06/17 15:57	JTL	TAL PIT

Client Sample ID: SAMPLE SS10 - GRID C52
Lab Sample ID: 240-80352-23
Date Collected: 06/01/17 18:00
Matrix: Sediment
Date Received: 06/02/17 12:50
Percent Solids: 8.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
SEM/AVS	Prep	AVSSEM			213480	06/07/17 12:00	JJZ	TAL PIT
SEM/AVS	Prep	7470A			214380	06/15/17 14:51	RJR	TAL PIT
SEM/AVS	Analysis	7470A		1	214484	06/16/17 12:22	RJR	TAL PIT
SEM/AVS	Prep	AVSSEM			213476	06/07/17 12:00	JJZ	TAL PIT
SEM/AVS	Analysis	9034		1	213511	06/07/17 15:12	JJZ	TAL PIT

Client Sample ID: SAMPLE SS10DUP - GRID C52
Lab Sample ID: 240-80352-24
Date Collected: 06/01/17 18:00
Matrix: Sediment
Date Received: 06/02/17 12:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
SEM/AVS	Prep	AVSSEM			213480	06/07/17 12:00	JJZ	TAL PIT
SEM/AVS	Analysis	6010C		1	213969	06/12/17 15:32	RJG	TAL PIT
SEM/AVS	Analysis	SEM		1	214202	06/14/17 13:21	MM1	TAL PIT
Total/NA	Analysis	2540G		1	213405	06/06/17 15:57	JTL	TAL PIT

Client Sample ID: SAMPLE SS10DUP - GRID C52
Lab Sample ID: 240-80352-24
Date Collected: 06/01/17 18:00
Matrix: Sediment
Date Received: 06/02/17 12:50
Percent Solids: 8.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
SEM/AVS	Prep	AVSSEM			213480	06/07/17 12:00	JJZ	TAL PIT
SEM/AVS	Prep	7470A			214380	06/15/17 14:51	RJR	TAL PIT
SEM/AVS	Analysis	7470A		1	214484	06/16/17 12:24	RJR	TAL PIT
SEM/AVS	Prep	AVSSEM			213476	06/07/17 12:00	JJZ	TAL PIT
SEM/AVS	Analysis	9034		1	213511	06/07/17 15:14	JJZ	TAL PIT

Client Sample ID: SAMPLE SS11 - GRID C75
Lab Sample ID: 240-80352-25
Date Collected: 06/01/17 18:50
Matrix: Sediment
Date Received: 06/02/17 12:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
SEM/AVS	Prep	AVSSEM			213480	06/07/17 12:00	JJZ	TAL PIT
SEM/AVS	Analysis	6010C		1	213969	06/12/17 15:38	RJG	TAL PIT

Lab Chronicle

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron Ohio

TestAmerica Job ID: 240-80352-1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
SEM/AVS	Analysis	SEM		1	214202	06/14/17 13:21	MM1	TAL PIT
Total/NA	Analysis	2540G		1	213405	06/06/17 15:57	JTL	TAL PIT

Client Sample ID: SAMPLE SS11 - GRID C75

Lab Sample ID: 240-80352-25
Date Collected: 06/01/17 18:50
Matrix: Sediment
Date Received: 06/02/17 12:50
Percent Solids: 19.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
SEM/AVS	Prep	AVSSEM			213480	06/07/17 12:00	JJZ	TAL PIT
SEM/AVS	Prep	7470A			214380	06/15/17 14:51	RJR	TAL PIT
SEM/AVS	Analysis	7470A		1	214484	06/16/17 12:26	RJR	TAL PIT
SEM/AVS	Prep	AVSSEM			213476	06/07/17 12:00	JJZ	TAL PIT
SEM/AVS	Analysis	9034		1	213511	06/07/17 15:16	JJZ	TAL PIT

Laboratory References:

TAL BUR = TestAmerica Burlington, 30 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990
TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396
TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Accreditation/Certification Summary

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron Ohio

TestAmerica Job ID: 240-80352-1

Laboratory: TestAmerica Canton

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

Authority	Program	EPA Region	Identification Number	Expiration Date
Ohio VAP	State Program	5	CL0024	09-14-17 *

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

Analysis Method	Prep Method	Matrix	Analyte
6010B	3050B	Solid	Magnesium
6020	3050B	Solid	Strontium
8260A	5030A	Solid	Xylenes, Total
8260A	5030B	Solid	Xylenes, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Laboratory: TestAmerica Burlington

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

Authority	Program	EPA Region	Identification Number	Expiration Date
Connecticut	State Program	1	PH-0751	09-30-17 *
DE Haz. Subst. Cleanup Act (HSCA)	State Program	3	NA	02-02-18
Florida	NELAP	4	E87467	06-30-18
L-A-B	DoD ELAP		L2336	02-25-20
Maine	State Program	1	VT00008	04-17-19
Minnesota	NELAP	5	050-999-436	12-31-17
New Hampshire	NELAP	1	2006	12-18-17
New Jersey	NELAP	2	VT972	06-30-18
New York	NELAP	2	10391	04-01-18
Pennsylvania	NELAP	3	68-00489	04-30-18
Rhode Island	State Program	1	LAO00298	12-30-17
US Fish & Wildlife	Federal		LE-058448-0	10-31-17
USDA	Federal		P330-11-00093	12-05-19
Vermont	State Program	1	VT-4000	12-31-17
Virginia	NELAP	3	460209	12-14-17

Laboratory: TestAmerica Pittsburgh

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

Authority	Program	EPA Region	Identification Number	Expiration Date
Arkansas DEQ	State Program	6	88-0690	06-27-18
California	State Program	9	2891	03-31-18
Connecticut	State Program	1	PH-0688	09-30-18
Florida	NELAP	4	E871008	06-30-18
Illinois	NELAP	5	200005	06-30-18
Kansas	NELAP	7	E-10350	01-31-18
Louisiana	NELAP	6	04041	06-30-18
New Hampshire	NELAP	1	2030	04-04-18
New Jersey	NELAP	2	PA005	06-30-18
New York	NELAP	2	11182	03-31-18
North Carolina (WW/SW)	State Program	4	434	12-31-17
Pennsylvania	NELAP	3	02-00416	04-30-18
South Carolina	State Program	4	89014	04-30-18
Texas	NELAP	6	T104704528-15-2	03-31-18
US Fish & Wildlife	Federal		LE94312A-1	10-31-17
USDA	Federal		P330-16-00211	06-26-19

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Accreditation/Certification Summary

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron Ohio

TestAmerica Job ID: 240-80352-1

Laboratory: TestAmerica Pittsburgh (Continued)

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

Authority	Program	EPA Region	Identification Number	Expiration Date
Utah	NELAP	8	PA001462015-4	05-31-18
Virginia	NELAP	3	460189	09-14-17
West Virginia DEP	State Program	3	142	01-31-18
Wisconsin	State Program	5	998027800	08-31-17

TestAmerica Canton
4101 Shuffel Street, N. W.
North Canton, OH 44720
phone 330.497.9396 fax 330.497.0772

1.7/1.7 2.0/2.0 4.2/4.2

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☑ Other: Ohio VAP

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Paul Anderson	Site Contact: Paul Anderson	Date: 6/2/17	COC No: ES SL 002
EnviroScience, Inc.	Tel/Fax: (330) 608-5424	Lab Contact: Amy McCormick	Carrier: Hand Delivery	1 of 2 COCs
5070 Stow Rd.	Analysis Turnaround Time			Sampler: Paul Anderson
Stow, OH 44242	☐ CALENDAR DAYS ☑ WORKING DAYS			For Lab Use Only:
(330) 688-0111 Phone	TAT if different from Below _____			Walk-in Client:
(330) 688-3858 FAX	☑ 2 weeks			Lab Sampling:
Project Name: Summit Lake Water Quality	☐ 1 week			
Site: Summit Lake, Akron, Ohio	☐ 2 days			Job / SDG No.:
P O #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Percent Moisture	Grain Size	8260C	8270C, 8081A, 8015A, 8151A	6010B, 6020, 7471A, 8082, 8015B, Moisture	Lloyd Kahn: TOC	SEM: 9034; 6010C; 7470A	8260B	Sample Specific Notes:
Trip Blank	6/1/2017	8:00	G	W	2										2	Trip Blank
Sample SS1 - Grid A50	6/1/2017	9:50	G	SED	13		Y	1	1	1	3	3	3	1		MS/MSD for 8270C, 8081A, 8015A&B, 6010B, 6020, 7471A, and TOC
Sample SS2 - Grid A27	6/1/2017	10:49	G	SED	7			1	1	1	1	1	1	1		
Sample SS3 - Grid A13	6/1/2017	11:30	G	SED	7			1	1	1	1	1	1	1		
Sample SS4 - Grid D77	6/1/2017	12:10	G	SED	7			1	1	1	1	1	1	1		
Sample SS5 - Grid B65	6/1/2017	13:55	G	SED	7			1	1	1	1	1	1	1		
Sample SS 6 - Grid B65	6/1/2017	16:35	G	SED	7			1	1	1	1	1	1	1		
Sample SS7 - Grid B12	6/1/2017	14:55	G	SED	7			1	1	1	1	1	1	1		
Sample SS8 - Grid B5	6/1/2017	15:30	G	SED	7			1	1	1	1	1	1	1		
Sample SS9 - Grid C17	6/1/2017	17:20	G	SED	7			1	1	1	1	1	1	1		
Sample SS10 - Grid C52	6/1/2017	18:00	G	SED	7			1	1	1	1	1	1	1		
Sample SS10 Dup - Grid C52	6/1/2017	18:00	G	SED	3			1	1					1		Field Duplicate for SS10
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other Zero Headspace, ICE								1	1	6	1	1	1	6	6	

240-80352 Chain of Custody

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments: **Quote ID: 24017439** **SEDIMENT - SELECTED SITES**

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ Therm ID No.: _____

Relinquished by: Paul Anderson	Company: EnviroScience	Date/Time: 6/2/17 12:50	Received by: BJ Martin	Company: TANC	Date/Time: 6/2/17 12:50
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

TestAmerica Canton
4101 Shuffel Street, N. W.

North Canton, OH 44720
phone 330.497.9396 fax 330.497.0772

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☑ Other: **Ohio VAP**

Client Contact	**Project Manager: Paul Anderson**	**Site Contact: Paul Anderson**	**Date: 6/2/17**	COC No: ES SL 003
EnviroScience, Inc.	**Tel/Fax: (330) 608-5424**	**Lab Contact: Amy McCormick**	**Carrier: Hand Delivery**	2 of 2 COCs
5070 Stow Rd.	**Analysis Turnaround Time**			Sampler: Paul Anderson
Stow, OH 44242	☐ CALENDAR DAYS ☑ WORKING DAYS			**For Lab Use Only:**
(330) 688-0111 Phone	TAT if different from Below			Walk-in Client:
(330) 688-3858 FAX	☑ 2 weeks			Lab Sampling:
Project Name: Summit Lake Water Quality	☐ 1 week			
Site: Summit Lake, Akron, Ohio	☐ 2 days			Job / SDG No.:
P O #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	Percent Moisture	Grain Size	8260C	8270C, 8081A, 8015A, 8151A	6010B, 6020, 7471A, 8082, 8015B, Moisture	Lloyd Kahn: TOC	SEM: 9034; 6010C; 7470A	8260B	Sample Specific Notes:
Sample SS11 - Grid C75	6/1/2017	18:50	G	SED	7			1	1	1	1	1	1	1		
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other Zero Headspace, ICE								1	1	6	1	1	1	6	6	

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments: **Quote ID: 24017439** **SEDIMENT - SELECTED SITES**

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ Therm ID No.: _____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	EnviroScience	6/2/17 12:50	[signature]	TAK	6/2/17 12:50
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Form No. CA-C-WI-002, Rev. 4.2, dated 04/02/2013

TestAmerica Canton Sample Receipt Form/Narrative **Login # : 80352**
Canton Facility

Client Enviroscience Site Name

Cooler Received on 6-2-17 Opened on 6-2-17

Cooler unpacked by:

FedEx: 1st Grd Exp UPS FAS Clipper Client Drop Off TestAmerica Courier Other

Receipt After-hours: Drop-off Date/Time Storage Location

TestAmerica Cooler # Foam Box Client Cooler Box Other

Packing material used: Bubble Wrap Foam Plastic Bag None Other

COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt ☑ See Multiple Cooler Form
   IR GUN# IR-8 (CF **-0.4** °C) Observed Cooler Temp. °C Corrected Cooler Temp. °C
   IR GUN #36 (CF **+0**°C) Observed Cooler Temp. 1 °C Corrected Cooler Temp. °C

2. Were custody seals on the outside of the cooler(s)? If Yes Quantity	Yes	No
-Were custody seals on the outside of the cooler(s) signed & dated?	Yes	No NA
-Were custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes	No
3. Shippers' packing slip attached to the cooler(s)?	Yes	No
4. Did custody papers accompany the sample(s)?	Yes	No
5. Were the custody papers relinquished & signed in the appropriate place?	Yes	No
6. Was/were the person(s) who collected the samples clearly identified on the COC?	Yes	No
7. Did all bottles arrive in good condition (Unbroken)?	Yes	No
8. Could all bottle labels be reconciled with the COC?	Yes	No
9. Were correct bottle(s) used for the test(s) indicated?	Yes	No
10. Sufficient quantity received to perform indicated analyses?	Yes	No
11. Are these work share samples?	Yes	No
If yes, Questions 11-15 have been checked at the originating laboratory.		
11. Were sample(s) at the correct pH upon receipt?	Yes	No NA pH Strip Lot# **HC697954**
12. Were VOAs on the COC?	Yes	No
13. Were air bubbles >6 mm in any VOA vials? ● ⬅ Larger than this.	Yes	No NA
14. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot #	Yes	No
15. Was a LL Hg or Me Hg trip blank present?	Yes	No

Contacted PM Date by via Verbal Voice Mail Other

Concerning

16. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

Samples processed by:

17. SAMPLE CONDITION

Sample(s) were received after the recommended holding time had expired.
Sample(s) were received in a broken container.
Sample(s) were received with bubble >6 mm in diameter. (Notify PM)

18. SAMPLE PRESERVATION

Sample(s) were further preserved in the laboratory.
Time preserved: Preservative(s) added/Lot number(s):

TestAmerica Multiple Cooler Receipt Form/Narrative
Canton Facility

Login # : 803552

Cooler #	IR Gun #	Observed Temp °C	Corrected Temp °C	Coolant
Client	34	1.7	1.7	ICE
1	1	2.0	2.0	1
1	1	4.2	4.2	1

TestAmerica Canton
4101 Shuffel Street NW
North Canton, OH 44720
Phone (330) 497-9396 Fax (330) 497-0772

Chain of Custody Record

240-80352 Chain of Custody

tAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: McCormick, Amy L		88.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: amy.mccormick@testamericainc.com	State of Origin: Ohio	Page 1 of 3
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State Program - Ohio VAP		Job #: 240-80352-1
Address: 301 Alpha Drive, RIDC Park,	Due Date Requested: 6/5/2017			
City: Pittsburgh	TAT Requested (days):			
State, Zip: PA, 15238				
Phone: 412-963-7058(Tel) 412-963-2468(Fax)	PO #:			
Email:	WO #:			
Project Name: OVAP Summit Lake Water Quality	Project #: 24018233			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Lloyd_Kahn_Mod/ (MOD) Organic Carbon, Total (TOC)	Moisture/ (MOD) Local Method	SEM/ (MOD) Standard SEM metals	9034_Calc/AVSSEM_Prep	6010C/AVSSEM_Prep (MOD) Metals 6010C ICP SEM List	7470A/AVSSEM_Prep	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
SAMPLE SS2- GRID A27 (240-80352-3)	6/1/17	10:49 Eastern		Solid			X						1	
SAMPLE SS3- GRID A13 (240-80352-4)	6/1/17	11:30 Eastern		Solid			X						1	
SAMPLE SS4- GRID D77 (240-80352-5)	6/1/17	12:10 Eastern		Solid			X						1	
SAMPLE SS5- GRID B65 (240-80352-6)	6/1/17	13:55 Eastern		Solid			X						1	
SAMPLE SS6- GRID B65 (240-80352-7)	6/1/17	16:35 Eastern		Solid			X						1	
SAMPLE SS7- GRID B12 (240-80352-8)	6/1/17	14:55 Eastern		Solid			X						1	
SAMPLE SS8- GRID B5 (240-80352-9)	6/1/17	15:30 Eastern		Solid			X						1	
SAMPLE SS9- GRID C17 (240-80352-10)	6/1/17	17:20 Eastern		Solid			X						1	
SAMPLE SS10- GRID C52 (240-80352-11)	6/1/17	18:00 Eastern		Solid			X						1	

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to TestAmerica Laboratories, Inc.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* ____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment: PDO

Relinquished by:	Date/Time: 6-2-17 1300	Company: TAL	Received by: D Watson	Date/Time: 6-3-17	Company: TAL
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 6-3-17 915	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

TestAmerica Canton
4101 Shuffel Street NW
North Canton, OH 44720
Phone (330) 497-9396 Fax (330) 497-0772

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: McCormick, Amy L	Carrier Tracking No(s):	COC No: 240-71688.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: amy.mccormick@testamericainc.com	State of Origin: Ohio	Page: Page 2 of 3
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State Program - Ohio VAP		Job #: 240-80352-1
Address: 301 Alpha Drive, RIDC Park,	Due Date Requested: 6/5/2017			
City: Pittsburgh	TAT Requested (days):			
State, Zip: PA, 15238				
Phone: 412-963-7058(Tel) 412-963-2468(Fax)	PO #:			
Email:	WO #:			
Project Name: OVAP Summit Lake Water Quality	Project #: 24018233			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Lloyd_Kahn_Mod/ (MOD) Organic Carbon, Total (TOC)	Moisture/ (MOD) Local Method	SEM/ (MOD) Standard SEM metals	9034_Calc/AVSSEM_Prep	6010C/AVSSEM_Prep (MOD) Metals 6010C ICP SEM List	7470A/AVSSEM_Prep	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
SAMPLE SS11- GRID C75 (240-80352-13)	6/1/17	18:50 Eastern		Solid			X						1	
SAMPLE SS1- GRID A50 (240-80352-14)	6/1/17	09:50 Eastern		Sediment				X	X	X	X	X	2	
SAMPLE SS2- GRID A27 (240-80352-15)	6/1/17	10:49 Eastern		Sediment				X	X	X	X	X	1	
SAMPLE SS3- GRID A13 (240-80352-16)	6/1/17	11:30 Eastern		Sediment				X	X	X	X	X	1	
SAMPLE SS4- GRID D77 (240-80352-17)	6/1/17	12:10 Eastern		Sediment				X	X	X	X	X	1	
SAMPLE SS5- GRID B65 (240-80352-18)	6/1/17	13:55 Eastern		Sediment				X	X	X	X	X	1	
SAMPLE SS6- GRID B65 (240-80352-19)	6/1/17	16:35 Eastern		Sediment				X	X	X	X	X	1	
SAMPLE SS7- GRID B12 (240-80352-20)	6/1/17	14:55 Eastern		Sediment				X	X	X	X	X	1	
SAMPLE SS8- GRID B5 (240-80352-21)	6/1/17	15:30 Eastern		Sediment				X	X	X	X	X	1	

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. I

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	6-2-17 1800	TAL	Watson	6-3-17	TAL
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 9/5	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

TestAmerica Canton
4101 Shuffel Street NW
North Canton, OH 44720
Phone (330) 497-9396 Fax (330) 497-0772

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: McCormick, Amy L	Carrier Tracking No(s):	COC No: 240-71688.3
Client Contact: Shipping/Receiving	Phone:	E-Mail: amy.mccormick@testamericainc.com	State of Origin: Ohio	Page: Page 3 of 3
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State Program - Ohio VAP		Job #: 240-80352-1
Address: 301 Alpha Drive, RIDC Park,	Due Date Requested: 6/5/2017			
City: Pittsburgh	TAT Requested (days):			
State, Zip: PA, 15238				
Phone: 412-963-7058(Tel) 412-963-2468(Fax)	PO #:			
Email:	WO #:			
Project Name: OVAP Summit Lake Water Quality	Project #: 24018233			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Lloyd_Kahn_Mod/ (MOD) Organic Carbon, Total (TOC)	Moisture/ (MOD) Local Method	SEM/ (MOD) Standard SEM metals	9034_Calc/AVSSEM_Prep	6010C/AVSSEM_Prep (MOD) Metals 6010C ICP SEM List	7470A/AVSSEM_Prep	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
SAMPLE SS9- GRID C17 (240-80352-22)	6/1/17	17:20 Eastern		Sediment				X	X	X	X	X	1	
SAMPLE SS10- GRID C52 (240-80352-23)	6/1/17	18:00 Eastern		Sediment				X	X	X	X	X	1	
SAMPLE SS10DUP- GRID C52 (240-80352-24)	6/1/17	18:00 Eastern		Sediment				X	X	X	X	X	1	
SAMPLE SS11- GRID C75 (240-80352-25)	6/1/17	18:50 Eastern		Sediment				X	X	X	X	X	1	

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:
Empty Kit Relinquished by:	Date: Time: Method of Shipment:

Relinquished by:	Date/Time: 6-2-17 1400	Company: TAP	Received by: D Watson	Date/Time: 6-3-17	Company: TAP	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 9:15	Company	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company	

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

8/11/2017

TestAmerica Canton
4101 Shuffel Street NW
North Canton, OH 44720
Phone (330) 497-9396 Fax (330) 497-0772

Chain of Custody Record

240-80352 Chain of Custody

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: McCormick, Amy L		COC No: 240-71689.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: amy.mccormick@testamericainc.com	State of Origin: Ohio	Page: Page 1 of 2
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State Program - Ohio VAP		Job #: 240-80352-1
Address: 30 Community Drive, Suite 11,	Due Date Requested: 6/14/2017			
City: South Burlington	TAT Requested (days):			
State, Zip: VT, 05403				
Phone: 802-660-1990(Tel) 802-660-1919(Fax)	PO #:			
Email:	WO #:			
Project Name: OVAP Summit Lake Water Quality	Project #: 24018233			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)		D422/ Grain Size (Sieve and Hydrometer)	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
SAMPLE SS2- GRID A27 (240-80352-3)	6/1/17	10:49 Eastern		Solid			X	1	
SAMPLE SS3- GRID A13 (240-80352-4)	6/1/17	11:30 Eastern		Solid			X	1	
SAMPLE SS4- GRID D77 (240-80352-5)	6/1/17	12:10 Eastern		Solid			X	1	
SAMPLE SS5- GRID B65 (240-80352-6)	6/1/17	13:55 Eastern		Solid			X	1	
SAMPLE SS6- GRID B65 (240-80352-7)	6/1/17	16:35 Eastern		Solid			X	1	
SAMPLE SS7- GRID B12 (240-80352-8)	6/1/17	14:55 Eastern		Solid			X	1	
SAMPLE SS8- GRID B5 (240-80352-9)	6/1/17	15:30 Eastern		Solid			X	1	
SAMPLE SS9- GRID C17 (240-80352-10)	6/1/17	17:20 Eastern		Solid			X	1	
SAMPLE SS10- GRID C52 (240-80352-11)	6/1/17	18:00 Eastern		Solid			X	1	

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to TestAmerica Laboratories, Inc.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	6-2-17 1130	240		6/3/17 0920	TABUL
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

TestAmerica Canton
4101 Shuffel Street NW
North Canton, OH 44720
Phone (330) 497-9396 Fax (330) 497-0772

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: McCormick, Amy L	Carrier Tracking No(s):	COC No: 240-71689.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: amy.mccormick@testamericainc.com	State of Origin: Ohio	Page: Page 2 of 2
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State Program - Ohio VAP		Job #: 240-80352-1
Address: 30 Community Drive, Suite 11,	Due Date Requested: 6/14/2017			
City: South Burlington	TAT Requested (days):			
State, Zip: VT, 05403				
Phone: 802-660-1990(Tel) 802-660-1919(Fax)	PO #:			
Email:	WO #:			
Project Name: OVAP Summit Lake Water Quality	Project #: 24018233			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	D422/ Grain Size (Sieve and Hydrometer)	Total Number of containers	Special Instructions/Note:
			Preservation Code:					
SAMPLE SS10DUP- GRID C52 (240-80352-12)	6/1/17	18:00 Eastern		Solid		X	1	
SAMPLE SS11- GRID C75 (240-80352-13)	6/1/17	18:50 Eastern		Solid		X	1	

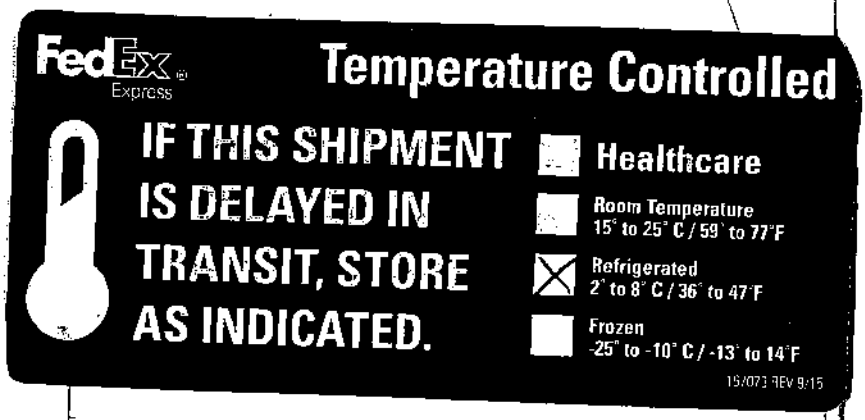
Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1				[illegible]	6/3/17 0920	TAB URL
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 5.0



ORIGIN ID:PHDA (330) 966-8677
AL HAIDET
TESTAMERICA
4101 SHUFFEL DR

NORTH CANTON, OH 44720
UNITED STATES US

SHIP DATE: 02JUN17
ACTWGT: 54.35 LB
CAD: 507102/CAFE3011

BILL RECIPIENT

TO ENVIRONMENTAL SAMPLE RECEIPT
TESTAMERICA BURLINGTON
30 COMMUNITY DRIVE

SOUTH BURLINGTON VT 05403
(802) 660-1990
DEPT: AL HAIDET

FedEx Express

SATURDAY 12:00P
PRIORITY OVERNIGHT

TRK# 0201 7259 7287 1674

XO BTVA

05403
VT-US BTV

Login Sample Receipt Checklist

Client: EnviroScience Inc

Job Number: 240-80352-1

Login Number: 80352
List Number: 2
Creator: Hahl, Victoria L

List Source: TestAmerica Burlington
List Creation: 06/03/17 12:51 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	Not present
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.5ºC
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	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	False	Received extra samples not listed on COC.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.

Login Sample Receipt Checklist

Client: EnviroScience Inc

Job Number: 240-80352-1

Login Number: 80352
List Number: 7
Creator: Hahl, Victoria L

List Source: TestAmerica Burlington
List Creation: 06/03/17 09:28 AM

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

Login Sample Receipt Checklist

Client: EnviroScience Inc

Job Number: 240-80352-1

Login Number: 80352
List Number: 3
Creator: Watson, Debbie

List Source: TestAmerica Pittsburgh
List Creation: 06/03/17 05:17 PM

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

Login Sample Receipt Checklist

Client: EnviroScience Inc

Job Number: 240-80352-1

Login Number: 80352
List Number: 4
Creator: Watson, Debbie

List Source: TestAmerica Pittsburgh
List Creation: 06/03/17 05:30 PM

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

Login Sample Receipt Checklist

Client: EnviroScience Inc

Job Number: 240-80352-1

Login Number: 80352
List Number: 5
Creator: Watson, Debbie

List Source: TestAmerica Pittsburgh
List Creation: 06/03/17 05:31 PM

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

Login Sample Receipt Checklist

Client: EnviroScience Inc

Job Number: 240-80352-1

Login Number: 80352
List Number: 6
Creator: Skowronek, Elyse N

List Source: TestAmerica Pittsburgh
List Creation: 06/06/17 10:38 AM

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

Appendix F. TestAmerica Laboratory Analytical Report 240-80547-1

Page Intentionally Blank

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Canton
4101 Shuffel Street NW
North Canton, OH 44720
Tel: (330)497-9396

TestAmerica Job ID: 240-80547-1
Client Project/Site: Summit Lake, Akron, OH

For:
EnviroScience Inc
5070 Stow Rd.
Stow, Ohio 44224

Attn: Paul Anderson

Authorized for release by:
6/26/2017 3:17:50 PM

Amy McCormick, Project Manager II
(330)966-9787
amy.mccormick@testamericainc.com

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.

Table of Contents

Cover Page 1
Table of Contents 2
Definitions/Glossary 3
Case Narrative 5
Method Summary 12
Sample Summary 13
Detection Summary 14
Client Sample Results 21
Surrogate Summary 42
QC Sample Results 44
QC Association Summary 68
Lab Chronicle 77
Certification Summary 83
Chain of Custody 85
Receipt Checklists 93

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
*	ISTD response or retention time outside acceptable limits
B	Compound was found in the blank and sample.

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
X	Surrogate is outside control limits
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
F1	MS and/or MSD Recovery is outside acceptance 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.

General Chemistry

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
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 (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 240-80547-1

Laboratory: TestAmerica Canton

Narrative

CASE NARRATIVE

Client: EnviroScience Inc

Project: Summit Lake, Akron, OH

Report Number: 240-80547-1

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

The Ammonia, TKN, and Phosphorus analysis were performed at TestAmerica Buffalo Laboratory.

The D422 analysis was performed at TestAmerica Burlington Laboratory.

The Lloyd Kahn TOC, 6010C and 7470A, and 9034 analysis were performed at TestAmerica Pittsburgh Laboratory.

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

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

TestAmerica utilizes USEPA approved methods, where applicable, in all analytical work. The samples presented in this report were analyzed for the parameter(s) listed on the analytical methods summary page in accordance with the method(s) indicated and were analyzed in accordance with Ohio Voluntary Action Program protocols, where applicable. The following requested analytes, parameter groups or methods analyzed and contained in this report are not certified by the laboratory: Alkalinity by 2320B, Hardness by 2340C, Total Dissolved Solids by 2540C, Total Suspended Solids by 2540D, Chloride and Sulfate by 300.0, Ammonia by 350.1, Total Kjeldahl Nitrogen by 351.2, Nitrate Nitrite as Nitrogen by 353.2, Phosphorus by 4500 PE, Orthophosphate by 4500 PE, Chemical Oxygen Demand by 5220D, Total Organic Carbon by 5310C, and Strontium by 6010C (Samples 1-5). Strontium by 6020, Grain Size by D422 and Total Organic Carbon by Lloyd Kahn (Samples 6 and 7). Magnesium by 6010C (Samples 1-7). Acid Volatile Sulfides by 9034 and Metals by SEM (Samples 8 and 9).

A summary of QC data for these analyses is included at the back of the report.

TestAmerica Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the applicable methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 6/7/2017 3:34 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 2.2° C and 3.1° C.

Job ID: 240-80547-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

VOLATILE ORGANIC COMPOUNDS (GCMS)

Samples SITE SS12 GRID D6 (240-80547-6) and SITE SS13 GRID D80 (240-80547-7) were analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260B. The samples were prepared and analyzed on 06/19/2017 and 06/20/2017.

Sample SITE SS13 GRID D80 (240-80547-7) was diluted due to the abundance of non-target analytes. Elevated reporting limits (RLs) have been provided.

Sample SITE SS13 GRID D80 (240-80547-7) was reanalyzed at a dilution due to internal standard recoveries outside of acceptance limits per Ohio V-AP requirements. Only compounds associated with internal standards that met criteria are reported from each analysis.

Methylene Chloride was detected in method blank MB 240-283845/8 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

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

SEMIVOLATILE ORGANIC COMPOUNDS (GCMS)

Samples SITE SS12 GRID D6 (240-80547-6) and SITE SS13 GRID D80 (240-80547-7) were analyzed for semivolatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 06/09/2017 and analyzed on 06/13/2017.

Surrogates are added during the extraction process prior to dilution. When the sample is diluted, surrogate recoveries are diluted out and no corrective action is required.

Sample SITE SS13 GRID D80 (240-80547-7)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

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

DIESEL RANGE ORGANICS (DRO)

Samples SITE SS12 GRID D6 (240-80547-6) and SITE SS13 GRID D80 (240-80547-7) were analyzed for diesel range organics (DRO) in accordance with EPA SW-846 Method 8015B - DRO. The samples were prepared on 06/08/2017 and analyzed on 06/13/2017.

Surrogates are added during the extraction process prior to dilution. When the sample dilution is 5X or greater, surrogate recoveries are diluted out and no corrective action is required.

Sample SITE SS13 GRID D80 (240-80547-7)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

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

CHLORINATED PESTICIDES

Samples SITE SS12 GRID D6 (240-80547-6) and SITE SS13 GRID D80 (240-80547-7) were analyzed for chlorinated pesticides in accordance with EPA SW-846 Method 8081A. The samples were prepared on 06/08/2017 and analyzed on 06/14/2017 and 06/15/2017.

Surrogates are added during the extraction process prior to dilution. When the sample dilution is 5X or greater, surrogate recoveries are diluted out and no corrective action is required.

Samples SITE SS12 GRID D6 (240-80547-6), SITE SS13 GRID D80 (240-80547-7), (240-80547-F-7-C MS) and (240-80547-F-7-D MSD) were diluted due to the nature of the sample matrix. As such, surrogate recoveries were below the calibration range and elevated reporting limits (RLs) have been provided.

Samples SITE SS12 GRID D6 (240-80547-6), SITE SS13 GRID D80 (240-80547-7), (240-80547-F-7-C MS), (240-80547-F-7-D MSD) and (MB 240-282191/5-A) required a tetrabutylammonium sulfite (TBA) clean-up to reduce matrix interferences caused by sulfur.

Decachlorobiphenyl failed the surrogate recovery criteria high for SITE SS12 GRID D6 (240-80547-6).

Job ID: 240-80547-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

Decachlorobiphenyl and Tetrachloro-m-xylene failed the surrogate recovery criteria high for SITE SS13 GRID D80 (240-80547-7), SITE SS13 GRID D80MS (240-80547-7MS) and SITE SS13 GRID D80MSD (240-80547-7MSD).

4,4'-DDD, alpha-BHC, gamma-BHC (Lindane) and Methoxychlor failed the recovery criteria low for the MS of sample SITE SS13 GRID D80MS (240-80547-7) in batch 240-283281. delta-BHC, Endrin aldehyde and 4,4'-DDE failed the recovery criteria high.

For the MSD of sample SITE SS13 GRID D80MSD (240-80547-7) in batch 240-283281, gamma-BHC (Lindane) and Methoxychlor failed the recovery criteria low. Several analytes failed the recovery criteria high. Also, Several analytes exceeded the RPD limit.

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

POLYCHLORINATED BIPHENYLS (PCBS)

Samples SITE SS12 GRID D6 (240-80547-6) and SITE SS13 GRID D80 (240-80547-7) were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082. The samples were prepared on 06/08/2017 and analyzed on 06/10/2017.

Surrogates are added during the extraction process prior to dilution. When the sample dilution is 5X or greater, surrogate recoveries are diluted out and no corrective action is required. All of the samples in this data set analyzed for PCBs were subjected to the sulfuric acid cleanup procedure before instrumental analysis, per EPA Method 3665A.

Samples SITE SS12 GRID D6 (240-80547-6) and SITE SS13 GRID D80 (240-80547-7) required a tetrabutylammonium sulfite (TBA) clean-up to reduce matrix interferences caused by sulfur.

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

HERBICIDES

Samples SITE SS12 GRID D6 (240-80547-6) and SITE SS13 GRID D80 (240-80547-7) were analyzed for Herbicides in accordance with SW846 Method 8151A. The samples were prepared on 06/09/2017 and analyzed on 06/14/2017.

The continuing calibration verification (CCV) associated with batch 282837 recovered above the upper control limit for 2,4,5-T, 2,4-D and Silvex (2,4,5-TP). The samples associated with this CCV were non-detect for the affected analytes; therefore, the data have been reported.

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

TOTAL RECOVERABLE METALS (ICP)

Samples W-1 SUMMIT LAKE L-1 - SURFACE - DUP A (240-80547-1), W-2 SUMMIT LAKE L-1 - SURFACE - DUP B (240-80547-2), W-3 SUMMIT LAKE L-1 - BOTTOM (240-80547-3), W-4 OHIO CANAL @ KENMORE BLVD (240-80547-4) and W-5 OHIO CANAL @ SOUTH AVE (240-80547-5) were analyzed for total recoverable metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were prepared on 06/08/2017 and analyzed on 06/09/2017.

Potassium and Sodium were detected in method blank MB 240-282176/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

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

TOTAL MERCURY

Samples W-1 SUMMIT LAKE L-1 - SURFACE - DUP A (240-80547-1), W-2 SUMMIT LAKE L-1 - SURFACE - DUP B (240-80547-2), W-3 SUMMIT LAKE L-1 - BOTTOM (240-80547-3), W-4 OHIO CANAL @ KENMORE BLVD (240-80547-4) and W-5 OHIO CANAL @ SOUTH AVE (240-80547-5) were analyzed for total mercury in accordance with EPA SW-846 Methods 7470A. The samples were prepared on 06/08/2017 and analyzed on 06/09/2017.

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

TOTAL METALS (ICP)

Samples SITE SS12 GRID D6 (240-80547-6) and SITE SS13 GRID D80 (240-80547-7) were analyzed for total metals (ICP) in accordance

Job ID: 240-80547-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

with EPA SW-846 Method 6010B. The samples were prepared on 06/15/2017 and analyzed on 06/16/2017.

Magnesium was detected in method blank MB 240-283335/1-A at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Potassium was detected in method blank MB 240-283335/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Calcium failed the recovery criteria low for the MS of sample SITE SS12 GRID D6MS (240-80547-6) in batch 240-283476. Aluminum failed the recovery criteria high.

Calcium failed the recovery criteria low for the MSD of sample SITE SS12 GRID D6MSD (240-80547-6) in batch 240-283476. Aluminum and Iron failed the recovery criteria high.

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

TOTAL METALS (ICPMS)

Samples SITE SS12 GRID D6 (240-80547-6) and SITE SS13 GRID D80 (240-80547-7) were analyzed for total metals (ICPMS) in accordance with EPA SW-846 Method 6020. The samples were prepared on 06/15/2017 and analyzed on 06/16/2017 and 06/19/2017.

Chromium, Copper, Manganese and Strontium were detected in method blank MB 240-283335/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

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

TOTAL MERCURY

Samples SITE SS12 GRID D6 (240-80547-6) and SITE SS13 GRID D80 (240-80547-7) were analyzed for total mercury in accordance with EPA SW-846 Method 7471A. The samples were prepared on 06/15/2017 and analyzed on 06/16/2017.

Mercury failed the recovery criteria high for the MS/MSD of sample SITE SS12 GRID D6MS/MSD (240-80547-6) in batch 240-283550.

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

ICP

Samples SITE SS12 GRID D6 (240-80547-8) and SITE SS13 GRID D80 (240-80547-9) were analyzed for ICP in accordance with SW-846 Method 6010C. The samples were prepared on 06/15/2017 and analyzed on 06/20/2017.

Copper SEM and Zinc SEM were detected in method blank MB 180-214340/2-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

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

ACID VOLATILE SULFIDES

Samples SITE SS12 GRID D6 (240-80547-8) and SITE SS13 GRID D80 (240-80547-9) were analyzed for acid volatile sulfides in accordance with AVS. The samples were prepared and analyzed on 06/21/2017.

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

SIMULTANEOUSLY EXTRACTED METALS

Samples SITE SS12 GRID D6 (240-80547-8) and SITE SS13 GRID D80 (240-80547-9) were analyzed for Simultaneously Extracted Metals in accordance with Simultaneously Extracted Metals. The samples were analyzed on 06/22/2017.

Job ID: 240-80547-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

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

ALKALINITY

Samples W-1 SUMMIT LAKE L-1 - SURFACE - DUP A (240-80547-1), W-2 SUMMIT LAKE L-1 - SURFACE - DUP B (240-80547-2), W-3 SUMMIT LAKE L-1 - BOTTOM (240-80547-3), W-4 OHIO CANAL @ KENMORE BLVD (240-80547-4) and W-5 OHIO CANAL @ SOUTH AVE (240-80547-5) were analyzed for alkalinity in accordance with SM 2320B. The samples were analyzed on 06/09/2017 and 06/10/2017.

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

HARDNESS

Samples W-1 SUMMIT LAKE L-1 - SURFACE - DUP A (240-80547-1), W-2 SUMMIT LAKE L-1 - SURFACE - DUP B (240-80547-2), W-3 SUMMIT LAKE L-1 - BOTTOM (240-80547-3), W-4 OHIO CANAL @ KENMORE BLVD (240-80547-4) and W-5 OHIO CANAL @ SOUTH AVE (240-80547-5) were analyzed for hardness in accordance with SM 2340C. The samples were analyzed on 06/15/2017 and 06/19/2017.

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

TOTAL DISSOLVED SOLIDS

Samples W-1 SUMMIT LAKE L-1 - SURFACE - DUP A (240-80547-1), W-2 SUMMIT LAKE L-1 - SURFACE - DUP B (240-80547-2), W-3 SUMMIT LAKE L-1 - BOTTOM (240-80547-3), W-4 OHIO CANAL @ KENMORE BLVD (240-80547-4) and W-5 OHIO CANAL @ SOUTH AVE (240-80547-5) were analyzed for total dissolved solids in accordance with SM 2540C. The samples were analyzed on 06/09/2017.

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

TOTAL SUSPENDED SOLIDS

Samples W-1 SUMMIT LAKE L-1 - SURFACE - DUP A (240-80547-1), W-2 SUMMIT LAKE L-1 - SURFACE - DUP B (240-80547-2), W-3 SUMMIT LAKE L-1 - BOTTOM (240-80547-3), W-4 OHIO CANAL @ KENMORE BLVD (240-80547-4) and W-5 OHIO CANAL @ SOUTH AVE (240-80547-5) were analyzed for total suspended solids in accordance with SM 2540D. The samples were analyzed on 06/12/2017.

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

ANIONS

Samples W-1 SUMMIT LAKE L-1 - SURFACE - DUP A (240-80547-1), W-2 SUMMIT LAKE L-1 - SURFACE - DUP B (240-80547-2), W-3 SUMMIT LAKE L-1 - BOTTOM (240-80547-3), W-4 OHIO CANAL @ KENMORE BLVD (240-80547-4) and W-5 OHIO CANAL @ SOUTH AVE (240-80547-5) were analyzed for anions in accordance with EPA Method 300.0. The samples were analyzed on 06/13/2017.

Sample W-3 SUMMIT LAKE L-1 - BOTTOM (240-80547-3)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

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

AMMONIA

Samples W-1 SUMMIT LAKE L-1 - SURFACE - DUP A (240-80547-1), W-2 SUMMIT LAKE L-1 - SURFACE - DUP B (240-80547-2), W-3 SUMMIT LAKE L-1 - BOTTOM (240-80547-3), W-4 OHIO CANAL @ KENMORE BLVD (240-80547-4) and W-5 OHIO CANAL @ SOUTH AVE (240-80547-5) were analyzed for ammonia in accordance with EPA Method 350.1. The samples were analyzed on 06/14/2017.

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

TOTAL KJELDAHL NITROGEN

Samples W-1 SUMMIT LAKE L-1 - SURFACE - DUP A (240-80547-1), W-2 SUMMIT LAKE L-1 - SURFACE - DUP B (240-80547-2), W-3 SUMMIT LAKE L-1 - BOTTOM (240-80547-3), W-4 OHIO CANAL @ KENMORE BLVD (240-80547-4) and W-5 OHIO CANAL @ SOUTH AVE (240-80547-5) were analyzed for total kjeldahl nitrogen in accordance with EPA Method 351.2. The samples were prepared on 06/12/2017 and analyzed on 06/13/2017.

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

Job ID: 240-80547-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

NITRATE-NITRITE AS NITROGEN

Samples W-1 SUMMIT LAKE L-1 - SURFACE - DUP A (240-80547-1), W-2 SUMMIT LAKE L-1 - SURFACE - DUP B (240-80547-2), W-3 SUMMIT LAKE L-1 - BOTTOM (240-80547-3), W-4 OHIO CANAL @ KENMORE BLVD (240-80547-4) and W-5 OHIO CANAL @ SOUTH AVE (240-80547-5) were analyzed for nitrate-nitrite as nitrogen in accordance with EPA Method 353.2. The samples were analyzed on 06/15/2017.

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

TOTAL PHOSPHORUS

Samples W-1 SUMMIT LAKE L-1 - SURFACE - DUP A (240-80547-1), W-2 SUMMIT LAKE L-1 - SURFACE - DUP B (240-80547-2), W-3 SUMMIT LAKE L-1 - BOTTOM (240-80547-3), W-4 OHIO CANAL @ KENMORE BLVD (240-80547-4) and W-5 OHIO CANAL @ SOUTH AVE (240-80547-5) were analyzed for total phosphorus in accordance with SM 4500 P E. The samples were analyzed on 06/12/2017.

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

ORTHOPHOSPHATE AS P

Samples W-1 SUMMIT LAKE L-1 - SURFACE - DUP A (240-80547-1), W-2 SUMMIT LAKE L-1 - SURFACE - DUP B (240-80547-2), W-3 SUMMIT LAKE L-1 - BOTTOM (240-80547-3), W-4 OHIO CANAL @ KENMORE BLVD (240-80547-4) and W-5 OHIO CANAL @ SOUTH AVE (240-80547-5) were analyzed for orthophosphate as P in accordance with SM 4500 P E. The samples were analyzed on 06/08/2017.

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

CHEMICAL OXYGEN DEMAND

Samples W-1 SUMMIT LAKE L-1 - SURFACE - DUP A (240-80547-1), W-2 SUMMIT LAKE L-1 - SURFACE - DUP B (240-80547-2), W-3 SUMMIT LAKE L-1 - BOTTOM (240-80547-3), W-4 OHIO CANAL @ KENMORE BLVD (240-80547-4) and W-5 OHIO CANAL @ SOUTH AVE (240-80547-5) were analyzed for chemical oxygen demand in accordance with SM 5220D. The samples were analyzed on 06/14/2017.

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

TOTAL ORGANIC CARBON

Samples W-1 SUMMIT LAKE L-1 - SURFACE - DUP A (240-80547-1), W-2 SUMMIT LAKE L-1 - SURFACE - DUP B (240-80547-2), W-3 SUMMIT LAKE L-1 - BOTTOM (240-80547-3), W-4 OHIO CANAL @ KENMORE BLVD (240-80547-4) and W-5 OHIO CANAL @ SOUTH AVE (240-80547-5) were analyzed for total organic carbon in accordance with SM 5310. The samples were analyzed on 06/10/2017.

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

SULFIDE

Samples SITE SS12 GRID D6 (240-80547-8) and SITE SS13 GRID D80 (240-80547-9) were analyzed for sulfide in accordance with EPA SW-846 Method 9034. The samples were prepared and analyzed on 06/15/2017.

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

GRAIN SIZE

Samples SITE SS12 GRID D6 (240-80547-6) and SITE SS13 GRID D80 (240-80547-7) were analyzed for grain size in accordance with ASTM Method D422 grain size. The samples were analyzed on 06/08/2017.

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

TOTAL ORGANIC CARBON

Samples SITE SS12 GRID D6 (240-80547-6) and SITE SS13 GRID D80 (240-80547-7) were analyzed for total organic carbon in accordance with Lloyd Kahn Method. The samples were analyzed on 06/15/2017.

Please note that the reporting limit for Lloyd Kahn TOC analysis for samples SITE SS12 GRID D6 (240-80547-6) and SITE SS13 GRID D80 (240-80547-7) is a nominal value and does not reflect adjustments in sample mass processed on an individual basis.

Job ID: 240-80547-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

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

PERCENT SOLIDS

Samples SITE SS12 GRID D6 (240-80547-6), SITE SS13 GRID D80 (240-80547-7), SITE SS12 GRID D6 (240-80547-8) and SITE SS13 GRID D80 (240-80547-9) were analyzed for percent solids in accordance with EPA Method 160.3 MOD. The samples were analyzed on 06/08/2017 and 06/10/2017.

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

Method Summary

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron, OH

TestAmerica Job ID: 240-80547-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CAN
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CAN
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL CAN
8081A	Organochlorine Pesticides (GC)	SW846	TAL CAN
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL CAN
8151A	Herbicides (GC)	SW846	TAL CAN
6010B	Metals (ICP)	SW846	TAL CAN
6010C	Metals (ICP)	SW846	TAL PIT
6020	Metals (ICP/MS)	SW846	TAL CAN
7470A	Mercury (CVAA)	SW846	TAL PIT
7470A	Mercury (CVAA)	SW846	TAL CAN
7471A	Mercury (CVAA)	SW846	TAL CAN
SEM	Metals, Simultaneously Extracted Metals (SEM)	EPA	TAL PIT
2320B-1997	Alkalinity, Total	SM	TAL CAN
2340C-1997	Hardness, Total	SM	TAL CAN
2540G	SM 2540G	SM22	TAL PIT
300.0	Anions, Ion Chromatography	MCAWW	TAL CAN
350.1	Nitrogen, Ammonia	MCAWW	TAL BUF
351.2	Nitrogen, Total Kjeldahl	MCAWW	TAL BUF
353.2	Nitrogen, Nitrate-Nitrite	MCAWW	TAL CAN
4500 P E-1999	Orthophosphate	SM	TAL CAN
5220D-1997	Chemical Oxygen Demand	SM	TAL CAN
5310C-2000	Total Organic Carbon/Persulfate - Ultrav	SM	TAL CAN
9034	Sulfide, Acid soluble and Insoluble (Titrimetric)	SW846	TAL PIT
Lloyd Kahn	Organic Carbon, Total (TOC)	EPA	TAL PIT
Moisture	Percent Moisture	EPA	TAL CAN
SM 2540C	Solids, Total Dissolved (TDS)	SM	TAL CAN
SM 2540D	Solids, Total Suspended (TSS)	SM	TAL CAN
SM 4500 P E	Phosphorus	SM	TAL BUF
D422	Grain Size	ASTM	TAL BUR

Protocol References:

ASTM = ASTM International
EPA = US Environmental Protection Agency
MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.
SM = "Standard Methods For The Examination Of Water And Wastewater",
SM22 = SM22
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
TAL BUR = TestAmerica Burlington, 30 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990
TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396
TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Sample Summary

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron, OH

TestAmerica Job ID: 240-80547-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-80547-1	W-1 SUMMIT LAKE L-1 - SURFACE - DUP A	Water	06/07/17 14:00	06/07/17 15:34
240-80547-2	W-2 SUMMIT LAKE L-1 - SURFACE - DUP B	Water	06/07/17 14:00	06/07/17 15:34
240-80547-3	W-3 SUMMIT LAKE L-1 - BOTTOM	Water	06/07/17 14:15	06/07/17 15:34
240-80547-4	W-4 OHIO CANAL @ KENMORE BLVD	Water	06/07/17 13:23	06/07/17 15:34
240-80547-5	W-5 OHIO CANAL @ SOUTH AVE	Water	06/07/17 12:50	06/07/17 15:34
240-80547-6	SITE SS12 GRID D6	Solid	06/07/17 10:00	06/07/17 15:34
240-80547-7	SITE SS13 GRID D80	Solid	06/07/17 11:10	06/07/17 15:34
240-80547-8	SITE SS12 GRID D6	Sediment	06/07/17 10:00	06/07/17 15:34
240-80547-9	SITE SS13 GRID D80	Sediment	06/07/17 11:10	06/07/17 15:34

Detection Summary

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron, OH

TestAmerica Job ID: 240-80547-1

Client Sample ID: W-1 SUMMIT LAKE L-1 - SURFACE - DUP A — Lab Sample ID: 240-80547-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	55	J	200	2.4	ug/L	1		6010B	Total Recoverable
Calcium	55000		5000	710	ug/L	1		6010B	Total Recoverable
Iron	100		100	25	ug/L	1		6010B	Total Recoverable
Magnesium	13000		5000	230	ug/L	1		6010B	Total Recoverable
Manganese	75		15	5.1	ug/L	1		6010B	Total Recoverable
Potassium	3000	J B	5000	70	ug/L	1		6010B	Total Recoverable
Sodium	72000	B	5000	330	ug/L	1		6010B	Total Recoverable
Strontium	180		50	9.0	ug/L	1		6010B	Total Recoverable
Alkalinity	130		5.0	2.6	mg/L	1		2320B-1997	Total/NA
Hardness as calcium carbonate	240		5.0	2.4	mg/L	1		2340C-1997	Total/NA
Chloride	120		1.0	0.28	mg/L	1		300.0	Total/NA
Sulfate	40		1.0	0.35	mg/L	1		300.0	Total/NA
Total Kjeldahl Nitrogen	0.96		0.20	0.15	mg/L	1		351.2	Total/NA
Nitrate Nitrite as N	0.083		0.050	0.031	mg/L	1		353.2	Total/NA
Chemical Oxygen Demand	24		10	4.1	mg/L	1		5220D-1997	Total/NA
Total Organic Carbon	4.1		1.0	0.14	mg/L	1		5310C-2000	Total/NA
Total Dissolved Solids	430		10	7.8	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	8.0		4.0	2.2	mg/L	1		SM 2540D	Total/NA
Phosphorus	0.015		0.010	0.0050	mg/L	1		SM 4500 P E	Total/NA
Phosphorus as PO4	0.046		0.031	0.015	mg/L	1		SM 4500 P E	Total/NA

Client Sample ID: W-2 SUMMIT LAKE L-1 - SURFACE - DUP B — Lab Sample ID: 240-80547-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	55	J	200	2.4	ug/L	1		6010B	Total Recoverable
Calcium	54000		5000	710	ug/L	1		6010B	Total Recoverable
Iron	98	J	100	25	ug/L	1		6010B	Total Recoverable
Magnesium	13000		5000	230	ug/L	1		6010B	Total Recoverable
Manganese	74		15	5.1	ug/L	1		6010B	Total Recoverable
Potassium	3000	J B	5000	70	ug/L	1		6010B	Total Recoverable
Sodium	72000	B	5000	330	ug/L	1		6010B	Total Recoverable
Strontium	180		50	9.0	ug/L	1		6010B	Total Recoverable
Alkalinity	130		5.0	2.6	mg/L	1		2320B-1997	Total/NA
Hardness as calcium carbonate	200		5.0	2.4	mg/L	1		2340C-1997	Total/NA
Chloride	120		1.0	0.28	mg/L	1		300.0	Total/NA
Sulfate	40		1.0	0.35	mg/L	1		300.0	Total/NA
Total Kjeldahl Nitrogen	0.92		0.20	0.15	mg/L	1		351.2	Total/NA
Nitrate Nitrite as N	0.077		0.050	0.031	mg/L	1		353.2	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: W-2 SUMMIT LAKE L-1 - SURFACE - DUP B (Continued)

Lab Sample ID: 240-80547-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chemical Oxygen Demand	23		10	4.1	mg/L	1		5220D-1997	Total/NA
Total Organic Carbon	4.0		1.0	0.14	mg/L	1		5310C-2000	Total/NA
Total Dissolved Solids	410		10	7.8	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	8.0		4.0	2.2	mg/L	1		SM 2540D	Total/NA
Phosphorus	0.026		0.010	0.0050	mg/L	1		SM 4500 P E	Total/NA
Phosphorus as PO4	0.080		0.031	0.015	mg/L	1		SM 4500 P E	Total/NA

Client Sample ID: W-3 SUMMIT LAKE L-1 - BOTTOM

Lab Sample ID: 240-80547-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	4.3	J	10	3.3	ug/L	1		6010B	Total Recoverable
Barium	85	J	200	2.4	ug/L	1		6010B	Total Recoverable
Calcium	62000		5000	710	ug/L	1		6010B	Total Recoverable
Iron	280		100	25	ug/L	1		6010B	Total Recoverable
Magnesium	14000		5000	230	ug/L	1		6010B	Total Recoverable
Manganese	2100		15	5.1	ug/L	1		6010B	Total Recoverable
Potassium	3300	J B	5000	70	ug/L	1		6010B	Total Recoverable
Sodium	110000	B	5000	330	ug/L	1		6010B	Total Recoverable
Strontium	200		50	9.0	ug/L	1		6010B	Total Recoverable
Alkalinity	150		5.0	2.6	mg/L	1		2320B-1997	Total/NA
Hardness as calcium carbonate	230		5.0	2.4	mg/L	1		2340C-1997	Total/NA
Chloride	190		5.0	1.4	mg/L	5		300.0	Total/NA
Sulfate	40		5.0	1.7	mg/L	5		300.0	Total/NA
Ammonia	1.4		0.020	0.0090	mg/L	1		350.1	Total/NA
Total Kjeldahl Nitrogen	2.1		0.20	0.15	mg/L	1		351.2	Total/NA
Orthophosphate as P	0.39		0.10	0.040	mg/L	1		4500 P E-1999	Total/NA
Chemical Oxygen Demand	19		10	4.1	mg/L	1		5220D-1997	Total/NA
Total Organic Carbon	3.3		1.0	0.14	mg/L	1		5310C-2000	Total/NA
Total Dissolved Solids	570		10	7.8	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	6.0		4.0	2.2	mg/L	1		SM 2540D	Total/NA
Phosphorus	0.37		0.010	0.0050	mg/L	1		SM 4500 P E	Total/NA
Phosphorus as PO4	1.1		0.031	0.015	mg/L	1		SM 4500 P E	Total/NA

Client Sample ID: W-4 OHIO CANAL @ KENMORE BLVD

Lab Sample ID: 240-80547-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	64	J	200	40	ug/L	1		6010B	Total Recoverable
Arsenic	4.0	J	10	3.3	ug/L	1		6010B	Total Recoverable
Barium	71	J	200	2.4	ug/L	1		6010B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: W-4 OHIO CANAL @ KENMORE BLVD (Continued)

Lab Sample ID: 240-80547-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	65000		5000	710	ug/L	1		6010B	Total Recoverable
Iron	310		100	25	ug/L	1		6010B	Total Recoverable
Lead	2.3	J	5.0	1.9	ug/L	1		6010B	Total Recoverable
Magnesium	15000		5000	230	ug/L	1		6010B	Total Recoverable
Manganese	160		15	5.1	ug/L	1		6010B	Total Recoverable
Potassium	3100	J B	5000	70	ug/L	1		6010B	Total Recoverable
Sodium	71000	B	5000	330	ug/L	1		6010B	Total Recoverable
Strontium	170		50	9.0	ug/L	1		6010B	Total Recoverable
Alkalinity	160		5.0	2.6	mg/L	1		2320B-1997	Total/NA
Hardness as calcium carbonate	220		5.0	2.4	mg/L	1		2340C-1997	Total/NA
Chloride	120		1.0	0.28	mg/L	1		300.0	Total/NA
Sulfate	41		1.0	0.35	mg/L	1		300.0	Total/NA
Ammonia	0.16		0.020	0.0090	mg/L	1		350.1	Total/NA
Total Kjeldahl Nitrogen	0.84		0.20	0.15	mg/L	1		351.2	Total/NA
Nitrate Nitrite as N	0.35		0.050	0.031	mg/L	1		353.2	Total/NA
Orthophosphate as P	0.081	J	0.10	0.040	mg/L	1		4500 P E-1999	Total/NA
Chemical Oxygen Demand	21		10	4.1	mg/L	1		5220D-1997	Total/NA
Total Organic Carbon	3.9		1.0	0.14	mg/L	1		5310C-2000	Total/NA
Total Dissolved Solids	460		10	7.8	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	7.0		4.0	2.2	mg/L	1		SM 2540D	Total/NA
Phosphorus	0.048		0.010	0.0050	mg/L	1		SM 4500 P E	Total/NA
Phosphorus as PO4	0.15		0.031	0.015	mg/L	1		SM 4500 P E	Total/NA

Client Sample ID: W-5 OHIO CANAL @ SOUTH AVE

Lab Sample ID: 240-80547-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	56	J	200	2.4	ug/L	1		6010B	Total Recoverable
Calcium	53000		5000	710	ug/L	1		6010B	Total Recoverable
Iron	69	J	100	25	ug/L	1		6010B	Total Recoverable
Lead	2.2	J	5.0	1.9	ug/L	1		6010B	Total Recoverable
Magnesium	13000		5000	230	ug/L	1		6010B	Total Recoverable
Manganese	74		15	5.1	ug/L	1		6010B	Total Recoverable
Potassium	2900	J B	5000	70	ug/L	1		6010B	Total Recoverable
Sodium	72000	B	5000	330	ug/L	1		6010B	Total Recoverable
Strontium	180		50	9.0	ug/L	1		6010B	Total Recoverable
Alkalinity	130		5.0	2.6	mg/L	1		2320B-1997	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: W-5 OHIO CANAL @ SOUTH AVE (Continued)

Lab Sample ID: 240-80547-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Hardness as calcium carbonate	180		5.0	2.4	mg/L	1		2340C-1997	Total/NA
Chloride	120		1.0	0.28	mg/L	1		300.0	Total/NA
Sulfate	38		1.0	0.35	mg/L	1		300.0	Total/NA
Ammonia	0.027		0.020	0.0090	mg/L	1		350.1	Total/NA
Total Kjeldahl Nitrogen	0.84		0.20	0.15	mg/L	1		351.2	Total/NA
Nitrate Nitrite as N	0.057		0.050	0.031	mg/L	1		353.2	Total/NA
Chemical Oxygen Demand	23		10	4.1	mg/L	1		5220D-1997	Total/NA
Total Organic Carbon	3.6		1.0	0.14	mg/L	1		5310C-2000	Total/NA
Total Dissolved Solids	440		10	7.8	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	4.0		4.0	2.2	mg/L	1		SM 2540D	Total/NA
Phosphorus	0.015		0.010	0.0050	mg/L	1		SM 4500 P E	Total/NA
Phosphorus as PO4	0.046		0.031	0.015	mg/L	1		SM 4500 P E	Total/NA

Client Sample ID: SITE SS12 GRID D6

Lab Sample ID: 240-80547-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	32	J	40	6.2	ug/Kg	1	☼	8260B	Total/NA
2-Butanone (MEK)	8.2	J	40	2.6	ug/Kg	1	☼	8260B	Total/NA
Carbon disulfide	8.4	J	10	0.42	ug/Kg	1	☼	8260B	Total/NA
Methylene Chloride	6.4	J	10	0.48	ug/Kg	1	☼	8260B	Total/NA
Acenaphthene	15		14	1.6	ug/Kg	1	☼	8270C	Total/NA
Acenaphthylene	8.4	J	14	0.74	ug/Kg	1	☼	8270C	Total/NA
Anthracene	43		14	1.7	ug/Kg	1	☼	8270C	Total/NA
Benzo[a]anthracene	130		14	1.3	ug/Kg	1	☼	8270C	Total/NA
Benzo[a]pyrene	140		14	1.4	ug/Kg	1	☼	8270C	Total/NA
Benzo[b]fluoranthene	220		14	1.3	ug/Kg	1	☼	8270C	Total/NA
Benzo[g,h,i]perylene	110		14	0.74	ug/Kg	1	☼	8270C	Total/NA
Benzo[k]fluoranthene	84		14	1.4	ug/Kg	1	☼	8270C	Total/NA
Bis(2-ethylhexyl) phthalate	130	J	150	40	ug/Kg	1	☼	8270C	Total/NA
Chrysene	160		14	2.3	ug/Kg	1	☼	8270C	Total/NA
Dibenz(a,h)anthracene	25		14	1.4	ug/Kg	1	☼	8270C	Total/NA
Dibenzofuran	30	J	110	1.4	ug/Kg	1	☼	8270C	Total/NA
Di-n-butyl phthalate	43	J	150	32	ug/Kg	1	☼	8270C	Total/NA
Fluoranthene	320		14	1.2	ug/Kg	1	☼	8270C	Total/NA
Fluorene	18		14	1.1	ug/Kg	1	☼	8270C	Total/NA
Indeno[1,2,3-cd]pyrene	88		14	0.74	ug/Kg	1	☼	8270C	Total/NA
2-Methylnaphthalene	71		14	1.1	ug/Kg	1	☼	8270C	Total/NA
Naphthalene	43		14	1.7	ug/Kg	1	☼	8270C	Total/NA
Phenanthrene	110		14	1.5	ug/Kg	1	☼	8270C	Total/NA
Pyrene	290		14	0.93	ug/Kg	1	☼	8270C	Total/NA
C10-C20	1100		100	31	mg/Kg	1	☼	8015B	Total/NA
C20-C34	870		100	31	mg/Kg	1	☼	8015B	Total/NA
Aluminum	3500		38	11	mg/Kg	1	☼	6010B	Total/NA
Calcium	84000		940	43	mg/Kg	1	☼	6010B	Total/NA
Iron	29000		19	6.0	mg/Kg	1	☼	6010B	Total/NA
Magnesium	2900	B	940	9.8	mg/Kg	1	☼	6010B	Total/NA
Potassium	400	J B	940	12	mg/Kg	1	☼	6010B	Total/NA
Selenium	1.3		0.94	0.64	mg/Kg	1	☼	6010B	Total/NA
Sodium	210	J	940	36	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SITE SS12 GRID D6 (Continued) — Lab Sample ID: 240-80547-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	27		1.9	0.049	mg/Kg	2	☼	6020	Total/NA
Barium	110		1.9	0.41	mg/Kg	2	☼	6020	Total/NA
Cadmium	0.59		0.38	0.0070	mg/Kg	2	☼	6020	Total/NA
Chromium	9.6	B	0.75	0.11	mg/Kg	2	☼	6020	Total/NA
Copper	24	B	0.75	0.18	mg/Kg	2	☼	6020	Total/NA
Lead	120		0.38	0.085	mg/Kg	2	☼	6020	Total/NA
Manganese	440	B	1.9	0.23	mg/Kg	2	☼	6020	Total/NA
Nickel	15		0.75	0.073	mg/Kg	2	☼	6020	Total/NA
Strontium	84	B	3.8	0.047	mg/Kg	2	☼	6020	Total/NA
Zinc	390		7.5	0.94	mg/Kg	2	☼	6020	Total/NA
Mercury	0.28	F1	0.23	0.042	mg/Kg	1	☼	7471A	Total/NA
Total Organic Carbon - Duplicates	50000		2100	1600	mg/Kg	1	☼	Lloyd Kahn	Total/NA
Gravel	2.4				%	1		D422	Total/NA
Sieve Size 3 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Sand	65.0				%	1		D422	Total/NA
Sieve Size 2 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Coarse Sand	3.5				%	1		D422	Total/NA
Sieve Size 1.5 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Medium Sand	19.7				%	1		D422	Total/NA
Sieve Size 1 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Fine Sand	41.8				%	1		D422	Total/NA
Sieve Size 0.75 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Sieve Size 0.375 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Silt	20.9				%	1		D422	Total/NA
Clay	11.7				%	1		D422	Total/NA
Sieve Size #4 - Percent Finer	97.6				% Passing	1		D422	Total/NA
Sieve Size #10 - Percent Finer	94.1				% Passing	1		D422	Total/NA
Sieve Size #20 - Percent Finer	87.3				% Passing	1		D422	Total/NA
Sieve Size #40 - Percent Finer	74.4				% Passing	1		D422	Total/NA
Sieve Size #60 - Percent Finer	52.2				% Passing	1		D422	Total/NA
Sieve Size #80 - Percent Finer	42.3				% Passing	1		D422	Total/NA
Sieve Size #100 - Percent Finer	38.9				% Passing	1		D422	Total/NA
Sieve Size #200 - Percent Finer	32.6				% Passing	1		D422	Total/NA
Hydrometer Reading 1 - Percent Finer	23.2				% Passing	1		D422	Total/NA
Hydrometer Reading 2 - Percent Finer	20.9				% Passing	1		D422	Total/NA
Hydrometer Reading 3 - Percent Finer	16.3				% Passing	1		D422	Total/NA
Hydrometer Reading 4 - Percent Finer	14.0				% Passing	1		D422	Total/NA
Hydrometer Reading 5 - Percent Finer	11.7				% Passing	1		D422	Total/NA
Hydrometer Reading 6 - Percent Finer	7.7				% Passing	1		D422	Total/NA
Hydrometer Reading 7 - Percent Finer	6.9				% Passing	1		D422	Total/NA

Client Sample ID: SITE SS13 GRID D80 — Lab Sample ID: 240-80547-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	170		170	26	ug/Kg	1	☼	8260B	Total/NA
2-Butanone (MEK)	68	J	170	11	ug/Kg	1	☼	8260B	Total/NA
Carbon disulfide	3.3	J	42	1.8	ug/Kg	1	☼	8260B	Total/NA
Methylene Chloride	20	J B	42	2.0	ug/Kg	1	☼	8260B	Total/NA
Xylenes, Total	12	J	200	8.0	ug/Kg	1	☼	8260B	Total/NA
Acenaphthene	760		140	16	ug/Kg	5	☼	8270C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron, OH

TestAmerica Job ID: 240-80547-1

Client Sample ID: SITE SS13 GRID D80 (Continued) — Lab Sample ID: 240-80547-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthylene	240		140	7.5	ug/Kg	5	☼	8270C	Total/NA
Acetophenone	200	J	2100	200	ug/Kg	5	☼	8270C	Total/NA
Anthracene	1600		140	17	ug/Kg	5	☼	8270C	Total/NA
Benzo[a]anthracene	2400		140	13	ug/Kg	5	☼	8270C	Total/NA
Benzo[a]pyrene	2000		140	14	ug/Kg	5	☼	8270C	Total/NA
Benzo[b]fluoranthene	2700		140	13	ug/Kg	5	☼	8270C	Total/NA
Benzo[g,h,i]perylene	1100		140	7.5	ug/Kg	5	☼	8270C	Total/NA
Benzo[k]fluoranthene	850		140	14	ug/Kg	5	☼	8270C	Total/NA
Bis(2-ethylhexyl) phthalate	13000		1500	400	ug/Kg	5	☼	8270C	Total/NA
Chrysene	3100		140	23	ug/Kg	5	☼	8270C	Total/NA
Dibenzofuran	640	J	1100	14	ug/Kg	5	☼	8270C	Total/NA
Fluoranthene	6700		140	12	ug/Kg	5	☼	8270C	Total/NA
Fluorene	1200		140	11	ug/Kg	5	☼	8270C	Total/NA
Indeno[1,2,3-cd]pyrene	780		140	7.5	ug/Kg	5	☼	8270C	Total/NA
2-Methylnaphthalene	2000		140	11	ug/Kg	5	☼	8270C	Total/NA
Naphthalene	1100		140	17	ug/Kg	5	☼	8270C	Total/NA
N-Nitrosodiphenylamine	4700		1100	450	ug/Kg	5	☼	8270C	Total/NA
Phenanthrene	5600		140	16	ug/Kg	5	☼	8270C	Total/NA
Pyrene	6500		140	9.4	ug/Kg	5	☼	8270C	Total/NA
C10-C20	2100		1100	320	mg/Kg	5	☼	8015B	Total/NA
C20-C34	4500		1100	320	mg/Kg	5	☼	8015B	Total/NA
Aluminum	8400		81	24	mg/Kg	1	☼	6010B	Total/NA
Calcium	47000		2000	93	mg/Kg	1	☼	6010B	Total/NA
Iron	32000		41	13	mg/Kg	1	☼	6010B	Total/NA
Magnesium	5100	B	2000	21	mg/Kg	1	☼	6010B	Total/NA
Potassium	870	J B	2000	25	mg/Kg	1	☼	6010B	Total/NA
Selenium	2.2		2.0	1.4	mg/Kg	1	☼	6010B	Total/NA
Sodium	580	J	2000	77	mg/Kg	1	☼	6010B	Total/NA
Arsenic	41		4.1	0.11	mg/Kg	2	☼	6020	Total/NA
Barium	250		4.1	0.89	mg/Kg	2	☼	6020	Total/NA
Cadmium	5.5		0.81	0.015	mg/Kg	2	☼	6020	Total/NA
Chromium	110	B	1.6	0.24	mg/Kg	2	☼	6020	Total/NA
Copper	210	B	1.6	0.39	mg/Kg	2	☼	6020	Total/NA
Lead	340		0.81	0.18	mg/Kg	2	☼	6020	Total/NA
Manganese	510	B	4.1	0.49	mg/Kg	2	☼	6020	Total/NA
Nickel	40		1.6	0.16	mg/Kg	2	☼	6020	Total/NA
Strontium	120	B	8.1	0.10	mg/Kg	2	☼	6020	Total/NA
Zinc	2900		16	2.0	mg/Kg	2	☼	6020	Total/NA
Mercury	0.99		0.40	0.073	mg/Kg	1	☼	7471A	Total/NA
Total Organic Carbon - Duplicates	600000		4300	3200	mg/Kg	1	☼	Lloyd Kahn	Total/NA
Gravel	4.0				%	1		D422	Total/NA
Sieve Size 3 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Sand	22.1				%	1		D422	Total/NA
Sieve Size 2 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Coarse Sand	0.8				%	1		D422	Total/NA
Sieve Size 1.5 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Medium Sand	5.4				%	1		D422	Total/NA
Sieve Size 1 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Fine Sand	15.9				%	1		D422	Total/NA
Sieve Size 0.75 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SITE SS13 GRID D80 (Continued) — Lab Sample ID: 240-80547-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sieve Size 0.375 inch - Percent Finer	100.0				% Passing	1		D422	Total/NA
Silt	63.2				%	1		D422	Total/NA
Clay	10.7				%	1		D422	Total/NA
Sieve Size #4 - Percent Finer	96.0				% Passing	1		D422	Total/NA
Sieve Size #10 - Percent Finer	95.2				% Passing	1		D422	Total/NA
Sieve Size #20 - Percent Finer	93.3				% Passing	1		D422	Total/NA
Sieve Size #40 - Percent Finer	89.8				% Passing	1		D422	Total/NA
Sieve Size #60 - Percent Finer	85.3				% Passing	1		D422	Total/NA
Sieve Size #80 - Percent Finer	82.4				% Passing	1		D422	Total/NA
Sieve Size #100 - Percent Finer	80.4				% Passing	1		D422	Total/NA
Sieve Size #200 - Percent Finer	73.9				% Passing	1		D422	Total/NA
Hydrometer Reading 1 - Percent Finer	51.9				% Passing	1		D422	Total/NA
Hydrometer Reading 2 - Percent Finer	43.3				% Passing	1		D422	Total/NA
Hydrometer Reading 3 - Percent Finer	17.6				% Passing	1		D422	Total/NA
Hydrometer Reading 4 - Percent Finer	12.4				% Passing	1		D422	Total/NA
Hydrometer Reading 5 - Percent Finer	10.7				% Passing	1		D422	Total/NA
Hydrometer Reading 6 - Percent Finer	8.2				% Passing	1		D422	Total/NA
Hydrometer Reading 7 - Percent Finer	6.9				% Passing	1		D422	Total/NA

Client Sample ID: SITE SS12 GRID D6 — Lab Sample ID: 240-80547-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium SEM	0.057	J	0.13	0.0063	mg/Kg	1		6010C	SEM/AVS
Copper SEM	0.54	J B	0.63	0.084	mg/Kg	1		6010C	SEM/AVS
Lead SEM	1.5		0.25	0.077	mg/Kg	1		6010C	SEM/AVS
Nickel SEM	0.98	J	1.0	0.081	mg/Kg	1		6010C	SEM/AVS
Zinc SEM	9.6	B	2.5	0.17	mg/Kg	1		6010C	SEM/AVS
SEM/AVS Ratio	NC		0.0010	NaN	NONE	1		SEM	SEM/AVS

Client Sample ID: SITE SS13 GRID D80 — Lab Sample ID: 240-80547-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium SEM	0.57		0.13	0.0063	mg/Kg	1		6010C	SEM/AVS
Copper SEM	3.9	B	0.63	0.084	mg/Kg	1		6010C	SEM/AVS
Lead SEM	38		0.25	0.077	mg/Kg	1		6010C	SEM/AVS
Nickel SEM	1.9		1.0	0.081	mg/Kg	1		6010C	SEM/AVS
Zinc SEM	230	B	2.5	0.17	mg/Kg	1		6010C	SEM/AVS
SEM/AVS Ratio	0.13		0.0010	NaN	NONE	1		SEM	SEM/AVS
Acid Volatile Sulfides (AVS)	910		81	27	mg/Kg	1	☼	9034	SEM/AVS

This Detection Summary does not include radiochemical test results.

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron, OH

TestAmerica Job ID: 240-80547-1

Client Sample ID: W-1 SUMMIT LAKE L-1 - SURFACE - DUP A

Lab Sample ID: 240-80547-1

Date Collected: 06/07/17 14:00

Matrix: Water

Date Received: 06/07/17 15:34

Method: 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		200	40	ug/L		06/08/17 14:00	06/09/17 19:47	1
Arsenic	ND		10	3.3	ug/L		06/08/17 14:00	06/09/17 19:47	1
Barium	**55**	**J**	200	2.4	ug/L		06/08/17 14:00	06/09/17 19:47	1
Cadmium	ND		2.0	0.29	ug/L		06/08/17 14:00	06/09/17 19:47	1
Calcium	**55000**		5000	710	ug/L		06/08/17 14:00	06/09/17 19:47	1
Chromium	ND		5.0	0.55	ug/L		06/08/17 14:00	06/09/17 19:47	1
Copper	ND		25	3.9	ug/L		06/08/17 14:00	06/09/17 19:47	1
Iron	**100**		100	25	ug/L		06/08/17 14:00	06/09/17 19:47	1
Lead	ND		5.0	1.9	ug/L		06/08/17 14:00	06/09/17 19:47	1
Magnesium	**13000**		5000	230	ug/L		06/08/17 14:00	06/09/17 19:47	1
Manganese	**75**		15	5.1	ug/L		06/08/17 14:00	06/09/17 19:47	1
Nickel	ND		40	1.6	ug/L		06/08/17 14:00	06/09/17 19:47	1
Potassium	**3000**	**J B**	5000	70	ug/L		06/08/17 14:00	06/09/17 19:47	1
Selenium	ND		15	5.1	ug/L		06/08/17 14:00	06/09/17 19:47	1
Sodium	**72000**	**B**	5000	330	ug/L		06/08/17 14:00	06/09/17 19:47	1
Strontium	**180**		50	9.0	ug/L		06/08/17 14:00	06/09/17 19:47	1
Zinc	ND		50	16	ug/L		06/08/17 14:00	06/09/17 19:47	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.13	ug/L		06/08/17 14:00	06/09/17 15:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**130**		5.0	2.6	mg/L			06/09/17 18:41	1
Hardness as calcium carbonate	**240**		5.0	2.4	mg/L			06/15/17 13:51	1
Chloride	**120**		1.0	0.28	mg/L			06/13/17 17:53	1
Sulfate	**40**		1.0	0.35	mg/L			06/13/17 17:53	1
Ammonia	ND		0.020	0.0090	mg/L			06/14/17 16:40	1
Total Kjeldahl Nitrogen	**0.96**		0.20	0.15	mg/L		06/12/17 08:00	06/13/17 09:58	1
Nitrate Nitrite as N	**0.083**		0.050	0.031	mg/L			06/15/17 11:23	1
Orthophosphate as P	ND		0.10	0.040	mg/L			06/08/17 15:51	1
Chemical Oxygen Demand	**24**		10	4.1	mg/L			06/14/17 10:18	1
Total Organic Carbon	**4.1**		1.0	0.14	mg/L			06/10/17 15:40	1
Total Dissolved Solids	**430**		10	7.8	mg/L			06/09/17 13:24	1
Total Suspended Solids	**8.0**		4.0	2.2	mg/L			06/12/17 11:01	1
Phosphorus	**0.015**		0.010	0.0050	mg/L			06/12/17 20:10	1
Phosphorus as PO4	**0.046**		0.031	0.015	mg/L			06/12/17 20:10	1

Client Sample ID: W-2 SUMMIT LAKE L-1 - SURFACE - DUP B

Lab Sample ID: 240-80547-2

Date Collected: 06/07/17 14:00

Matrix: Water

Date Received: 06/07/17 15:34

Method: 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		200	40	ug/L		06/08/17 14:00	06/09/17 19:51	1
Arsenic	ND		10	3.3	ug/L		06/08/17 14:00	06/09/17 19:51	1
Barium	**55**	**J**	200	2.4	ug/L		06/08/17 14:00	06/09/17 19:51	1
Cadmium	ND		2.0	0.29	ug/L		06/08/17 14:00	06/09/17 19:51	1
Calcium	**54000**		5000	710	ug/L		06/08/17 14:00	06/09/17 19:51	1
Chromium	ND		5.0	0.55	ug/L		06/08/17 14:00	06/09/17 19:51	1
Copper	ND		25	3.9	ug/L		06/08/17 14:00	06/09/17 19:51	1
Iron	**98**	**J**	100	25	ug/L		06/08/17 14:00	06/09/17 19:51	1
Lead	ND		5.0	1.9	ug/L		06/08/17 14:00	06/09/17 19:51	1
Magnesium	**13000**		5000	230	ug/L		06/08/17 14:00	06/09/17 19:51	1
Manganese	**74**		15	5.1	ug/L		06/08/17 14:00	06/09/17 19:51	1
Nickel	ND		40	1.6	ug/L		06/08/17 14:00	06/09/17 19:51	1
Potassium	**3000**	**J B**	5000	70	ug/L		06/08/17 14:00	06/09/17 19:51	1
Selenium	ND		15	5.1	ug/L		06/08/17 14:00	06/09/17 19:51	1
Sodium	**72000**	**B**	5000	330	ug/L		06/08/17 14:00	06/09/17 19:51	1
Strontium	**180**		50	9.0	ug/L		06/08/17 14:00	06/09/17 19:51	1
Zinc	ND		50	16	ug/L		06/08/17 14:00	06/09/17 19:51	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.13	ug/L		06/08/17 14:00	06/09/17 15:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**130**		5.0	2.6	mg/L			06/10/17 12:17	1
Hardness as calcium carbonate	**200**		5.0	2.4	mg/L			06/19/17 14:19	1
Chloride	**120**		1.0	0.28	mg/L			06/13/17 18:13	1
Sulfate	**40**		1.0	0.35	mg/L			06/13/17 18:13	1
Ammonia	ND		0.020	0.0090	mg/L			06/14/17 16:41	1
Total Kjeldahl Nitrogen	**0.92**		0.20	0.15	mg/L		06/12/17 08:00	06/13/17 09:58	1
Nitrate Nitrite as N	**0.077**		0.050	0.031	mg/L			06/15/17 11:26	1
Orthophosphate as P	ND		0.10	0.040	mg/L			06/08/17 15:54	1
Chemical Oxygen Demand	**23**		10	4.1	mg/L			06/14/17 10:18	1
Total Organic Carbon	**4.0**		1.0	0.14	mg/L			06/10/17 15:55	1
Total Dissolved Solids	**410**		10	7.8	mg/L			06/09/17 13:24	1
Total Suspended Solids	**8.0**		4.0	2.2	mg/L			06/12/17 11:01	1
Phosphorus	**0.026**		0.010	0.0050	mg/L			06/12/17 20:10	1
Phosphorus as PO4	**0.080**		0.031	0.015	mg/L			06/12/17 20:10	1

Client Sample ID: W-3 SUMMIT LAKE L-1 - BOTTOM

Lab Sample ID: 240-80547-3

Date Collected: 06/07/17 14:15

Matrix: Water

Date Received: 06/07/17 15:34

Method: 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		200	40	ug/L		06/08/17 14:00	06/09/17 20:04	1
Arsenic	**4.3**	**J**	10	3.3	ug/L		06/08/17 14:00	06/09/17 20:04	1
Barium	**85**	**J**	200	2.4	ug/L		06/08/17 14:00	06/09/17 20:04	1
Cadmium	ND		2.0	0.29	ug/L		06/08/17 14:00	06/09/17 20:04	1
Calcium	**62000**		5000	710	ug/L		06/08/17 14:00	06/09/17 20:04	1
Chromium	ND		5.0	0.55	ug/L		06/08/17 14:00	06/09/17 20:04	1
Copper	ND		25	3.9	ug/L		06/08/17 14:00	06/09/17 20:04	1
Iron	**280**		100	25	ug/L		06/08/17 14:00	06/09/17 20:04	1
Lead	ND		5.0	1.9	ug/L		06/08/17 14:00	06/09/17 20:04	1
Magnesium	**14000**		5000	230	ug/L		06/08/17 14:00	06/09/17 20:04	1
Manganese	**2100**		15	5.1	ug/L		06/08/17 14:00	06/09/17 20:04	1
Nickel	ND		40	1.6	ug/L		06/08/17 14:00	06/09/17 20:04	1
Potassium	**3300**	**J B**	5000	70	ug/L		06/08/17 14:00	06/09/17 20:04	1
Selenium	ND		15	5.1	ug/L		06/08/17 14:00	06/09/17 20:04	1
Sodium	**110000**	**B**	5000	330	ug/L		06/08/17 14:00	06/09/17 20:04	1
Strontium	**200**		50	9.0	ug/L		06/08/17 14:00	06/09/17 20:04	1
Zinc	ND		50	16	ug/L		06/08/17 14:00	06/09/17 20:04	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.13	ug/L		06/08/17 14:00	06/09/17 15:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**150**		5.0	2.6	mg/L			06/10/17 12:45	1
Hardness as calcium carbonate	**230**		5.0	2.4	mg/L			06/15/17 14:32	1
Chloride	**190**		5.0	1.4	mg/L			06/13/17 19:14	5
Sulfate	**40**		5.0	1.7	mg/L			06/13/17 19:14	5
Ammonia	**1.4**		0.020	0.0090	mg/L			06/14/17 16:42	1
Total Kjeldahl Nitrogen	**2.1**		0.20	0.15	mg/L		06/12/17 08:00	06/13/17 09:58	1
Nitrate Nitrite as N	ND		0.050	0.031	mg/L			06/15/17 11:28	1
Orthophosphate as P	**0.39**		0.10	0.040	mg/L			06/08/17 15:55	1
Chemical Oxygen Demand	**19**		10	4.1	mg/L			06/14/17 10:19	1
Total Organic Carbon	**3.3**		1.0	0.14	mg/L			06/10/17 16:10	1
Total Dissolved Solids	**570**		10	7.8	mg/L			06/09/17 13:24	1
Total Suspended Solids	**6.0**		4.0	2.2	mg/L			06/12/17 11:01	1
Phosphorus	**0.37**		0.010	0.0050	mg/L			06/12/17 20:10	1
Phosphorus as PO4	**1.1**		0.031	0.015	mg/L			06/12/17 20:10	1

Client Sample ID: W-4 OHIO CANAL @ KENMORE BLVD

Lab Sample ID: 240-80547-4

Date Collected: 06/07/17 13:23

Matrix: Water

Date Received: 06/07/17 15:34

Method: 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	64	J	200	40	ug/L		06/08/17 14:00	06/09/17 20:08	1
Arsenic	4.0	J	10	3.3	ug/L		06/08/17 14:00	06/09/17 20:08	1
Barium	71	J	200	2.4	ug/L		06/08/17 14:00	06/09/17 20:08	1
Cadmium	ND		2.0	0.29	ug/L		06/08/17 14:00	06/09/17 20:08	1
Calcium	65000		5000	710	ug/L		06/08/17 14:00	06/09/17 20:08	1
Chromium	ND		5.0	0.55	ug/L		06/08/17 14:00	06/09/17 20:08	1
Copper	ND		25	3.9	ug/L		06/08/17 14:00	06/09/17 20:08	1
Iron	310		100	25	ug/L		06/08/17 14:00	06/09/17 20:08	1
Lead	2.3	J	5.0	1.9	ug/L		06/08/17 14:00	06/09/17 20:08	1
Magnesium	15000		5000	230	ug/L		06/08/17 14:00	06/09/17 20:08	1
Manganese	160		15	5.1	ug/L		06/08/17 14:00	06/09/17 20:08	1
Nickel	ND		40	1.6	ug/L		06/08/17 14:00	06/09/17 20:08	1
Potassium	3100	J B	5000	70	ug/L		06/08/17 14:00	06/09/17 20:08	1
Selenium	ND		15	5.1	ug/L		06/08/17 14:00	06/09/17 20:08	1
Sodium	71000	B	5000	330	ug/L		06/08/17 14:00	06/09/17 20:08	1
Strontium	170		50	9.0	ug/L		06/08/17 14:00	06/09/17 20:08	1
Zinc	ND		50	16	ug/L		06/08/17 14:00	06/09/17 20:08	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.13	ug/L		06/08/17 14:00	06/09/17 15:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	160		5.0	2.6	mg/L			06/10/17 12:54	1
Hardness as calcium carbonate	220		5.0	2.4	mg/L			06/15/17 14:42	1
Chloride	120		1.0	0.28	mg/L			06/13/17 19:34	1
Sulfate	41		1.0	0.35	mg/L			06/13/17 19:34	1
Ammonia	0.16		0.020	0.0090	mg/L			06/14/17 16:43	1
Total Kjeldahl Nitrogen	0.84		0.20	0.15	mg/L		06/12/17 08:00	06/13/17 09:58	1
Nitrate Nitrite as N	0.35		0.050	0.031	mg/L			06/15/17 11:29	1
Orthophosphate as P	0.081	J	0.10	0.040	mg/L			06/08/17 15:56	1
Chemical Oxygen Demand	21		10	4.1	mg/L			06/14/17 10:20	1
Total Organic Carbon	3.9		1.0	0.14	mg/L			06/10/17 16:25	1
Total Dissolved Solids	460		10	7.8	mg/L			06/09/17 13:24	1
Total Suspended Solids	7.0		4.0	2.2	mg/L			06/12/17 11:01	1
Phosphorus	0.048		0.010	0.0050	mg/L			06/12/17 20:10	1
Phosphorus as PO4	0.15		0.031	0.015	mg/L			06/12/17 20:10	1

Client Sample ID: W-5 OHIO CANAL @ SOUTH AVE

Lab Sample ID: 240-80547-5

Date Collected: 06/07/17 12:50
Matrix: Water
Date Received: 06/07/17 15:34

Method: 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		200	40	ug/L		06/08/17 14:00	06/09/17 20:13	1
Arsenic	ND		10	3.3	ug/L		06/08/17 14:00	06/09/17 20:13	1
Barium	**56**	**J**	200	2.4	ug/L		06/08/17 14:00	06/09/17 20:13	1
Cadmium	ND		2.0	0.29	ug/L		06/08/17 14:00	06/09/17 20:13	1
Calcium	**53000**		5000	710	ug/L		06/08/17 14:00	06/09/17 20:13	1
Chromium	ND		5.0	0.55	ug/L		06/08/17 14:00	06/09/17 20:13	1
Copper	ND		25	3.9	ug/L		06/08/17 14:00	06/09/17 20:13	1
Iron	**69**	**J**	100	25	ug/L		06/08/17 14:00	06/09/17 20:13	1
Lead	**2.2**	**J**	5.0	1.9	ug/L		06/08/17 14:00	06/09/17 20:13	1
Magnesium	**13000**		5000	230	ug/L		06/08/17 14:00	06/09/17 20:13	1
Manganese	**74**		15	5.1	ug/L		06/08/17 14:00	06/09/17 20:13	1
Nickel	ND		40	1.6	ug/L		06/08/17 14:00	06/09/17 20:13	1
Potassium	**2900**	**J B**	5000	70	ug/L		06/08/17 14:00	06/09/17 20:13	1
Selenium	ND		15	5.1	ug/L		06/08/17 14:00	06/09/17 20:13	1
Sodium	**72000**	**B**	5000	330	ug/L		06/08/17 14:00	06/09/17 20:13	1
Strontium	**180**		50	9.0	ug/L		06/08/17 14:00	06/09/17 20:13	1
Zinc	ND		50	16	ug/L		06/08/17 14:00	06/09/17 20:13	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.13	ug/L		06/08/17 14:00	06/09/17 15:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**130**		5.0	2.6	mg/L			06/10/17 13:03	1
Hardness as calcium carbonate	**180**		5.0	2.4	mg/L			06/15/17 14:52	1
Chloride	**120**		1.0	0.28	mg/L			06/13/17 19:54	1
Sulfate	**38**		1.0	0.35	mg/L			06/13/17 19:54	1
Ammonia	**0.027**		0.020	0.0090	mg/L			06/14/17 16:44	1
Total Kjeldahl Nitrogen	**0.84**		0.20	0.15	mg/L		06/12/17 08:00	06/13/17 09:58	1
Nitrate Nitrite as N	**0.057**		0.050	0.031	mg/L			06/15/17 11:30	1
Orthophosphate as P	ND		0.10	0.040	mg/L			06/08/17 15:57	1
Chemical Oxygen Demand	**23**		10	4.1	mg/L			06/14/17 10:20	1
Total Organic Carbon	**3.6**		1.0	0.14	mg/L			06/10/17 16:40	1
Total Dissolved Solids	**440**		10	7.8	mg/L			06/09/17 13:24	1
Total Suspended Solids	**4.0**		4.0	2.2	mg/L			06/12/17 11:01	1
Phosphorus	**0.015**		0.010	0.0050	mg/L			06/12/17 20:10	1
Phosphorus as PO4	**0.046**		0.031	0.015	mg/L			06/12/17 20:10	1

Client Sample ID: SITE SS12 GRID D6

Date Collected: 06/07/17 10:00
Date Received: 06/07/17 15:34

Lab Sample ID: 240-80547-6

Matrix: Solid
Percent Solids: 47.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**32**	**J**	40	6.2	ug/Kg	☼	06/19/17 02:29	06/19/17 08:01	1
Benzene	ND		10	0.65	ug/Kg	☼	06/19/17 02:29	06/19/17 08:01	1
Bromoform	ND		10	0.81	ug/Kg	☼	06/19/17 02:29	06/19/17 08:01	1
Bromomethane	ND		10	1.2	ug/Kg	☼	06/19/17 02:29	06/19/17 08:01	1
2-Butanone (MEK)	**8.2**	**J**	40	2.6	ug/Kg	☼	06/19/17 02:29	06/19/17 08:01	1
Carbon disulfide	**8.4**	**J**	10	0.42	ug/Kg	☼	06/19/17 02:29	06/19/17 08:01	1
Carbon tetrachloride	ND		10	0.50	ug/Kg	☼	06/19/17 02:29	06/19/17 08:01	1
Chlorobenzene	ND		10	0.67	ug/Kg	☼	06/19/17 02:29	06/19/17 08:01	1
Chlorodibromomethane	ND		10	0.61	ug/Kg	☼	06/19/17 02:29	06/19/17 08:01	1
Chloroethane	ND		10	0.77	ug/Kg	☼	06/19/17 02:29	06/19/17 08:01	1
Chloroform	ND		10	0.46	ug/Kg	☼	06/19/17 02:29	06/19/17 08:01	1
Chloromethane	ND		10	0.77	ug/Kg	☼	06/19/17 02:29	06/19/17 08:01	1
cis-1,2-Dichloroethene	ND		10	0.56	ug/Kg	☼	06/19/17 02:29	06/19/17 08:01	1
cis-1,3-Dichloropropene	ND		10	0.52	ug/Kg	☼	06/19/17 02:29	06/19/17 08:01	1
1,2-Dibromo-3-Chloropropane	ND		20	1.4	ug/Kg	☼	06/19/17 02:29	06/19/17 08:01	1
1,2-Dichlorobenzene	ND		10	0.44	ug/Kg	☼	06/19/17 02:29	06/19/17 08:01	1
1,3-Dichlorobenzene	ND		10	0.59	ug/Kg	☼	06/19/17 02:29	06/19/17 08:01	1
1,4-Dichlorobenzene	ND		10	0.71	ug/Kg	☼	06/19/17 02:29	06/19/17 08:01	1
Dichlorobromomethane	ND		10	0.67	ug/Kg	☼	06/19/17 02:29	06/19/17 08:01	1
Dichlorodifluoromethane	ND		10	0.71	ug/Kg	☼	06/19/17 02:29	06/19/17 08:01	1
1,1-Dichloroethane	ND		10	0.67	ug/Kg	☼	06/19/17 02:29	06/19/17 08:01	1
1,2-Dichloroethane	ND		10	0.59	ug/Kg	☼	06/19/17 02:29	06/19/17 08:01	1
1,1-Dichloroethene	ND		10	1.1	ug/Kg	☼	06/19/17 02:29	06/19/17 08:01	1
1,2-Dichloropropane	ND		10	0.63	ug/Kg	☼	06/19/17 02:29	06/19/17 08:01	1
Ethylbenzene	ND		10	0.54	ug/Kg	☼	06/19/17 02:29	06/19/17 08:01	1
Ethylene Dibromide	ND		10	0.71	ug/Kg	☼	06/19/17 02:29	06/19/17 08:01	1
2-Hexanone	ND		40	1.2	ug/Kg	☼	06/19/17 02:29	06/19/17 08:01	1
Isopropylbenzene	ND		10	0.40	ug/Kg	☼	06/19/17 02:29	06/19/17 08:01	1
Methylene Chloride	**6.4**	**J**	10	0.48	ug/Kg	☼	06/19/17 02:29	06/19/17 08:01	1
4-Methyl-2-pentanone (MIBK)	ND		40	1.8	ug/Kg	☼	06/19/17 02:29	06/19/17 08:01	1
Methyl tert-butyl ether	ND		10	0.54	ug/Kg	☼	06/19/17 02:29	06/19/17 08:01	1
Styrene	ND		10	0.54	ug/Kg	☼	06/19/17 02:29	06/19/17 08:01	1
1,1,2,2-Tetrachloroethane	ND		10	0.52	ug/Kg	☼	06/19/17 02:29	06/19/17 08:01	1
Tetrachloroethene	ND		10	0.75	ug/Kg	☼	06/19/17 02:29	06/19/17 08:01	1
Toluene	ND		10	0.69	ug/Kg	☼	06/19/17 02:29	06/19/17 08:01	1
trans-1,2-Dichloroethene	ND		10	0.77	ug/Kg	☼	06/19/17 02:29	06/19/17 08:01	1
trans-1,3-Dichloropropene	ND		10	0.42	ug/Kg	☼	06/19/17 02:29	06/19/17 08:01	1
1,2,4-Trichlorobenzene	ND		10	0.48	ug/Kg	☼	06/19/17 02:29	06/19/17 08:01	1
1,1,1-Trichloroethane	ND		10	0.46	ug/Kg	☼	06/19/17 02:29	06/19/17 08:01	1
1,1,2-Trichloroethane	ND		10	0.79	ug/Kg	☼	06/19/17 02:29	06/19/17 08:01	1
Trichloroethene	ND		10	0.83	ug/Kg	☼	06/19/17 02:29	06/19/17 08:01	1
Trichlorofluoromethane	ND		10	0.48	ug/Kg	☼	06/19/17 02:29	06/19/17 08:01	1
Vinyl chloride	ND		10	0.56	ug/Kg	☼	06/19/17 02:29	06/19/17 08:01	1
Xylenes, Total	ND		20	0.81	ug/Kg	☼	06/19/17 02:29	06/19/17 08:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*80*		*61 - 132*	*06/19/17 02:29*	*06/19/17 08:01*	*1*
Dibromofluoromethane (Surr)	*76*		*43 - 131*	*06/19/17 02:29*	*06/19/17 08:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*84*		*61 - 127*	*06/19/17 02:29*	*06/19/17 08:01*	*1*

Client Sample ID: SITE SS12 GRID D6
Date Collected: 06/07/17 10:00
Date Received: 06/07/17 15:34

Lab Sample ID: 240-80547-6
Matrix: Solid
Percent Solids: 47.5

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	90		66 - 125	06/19/17 02:29	06/19/17 08:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**15**		14	1.6	ug/Kg	☼	06/09/17 09:43	06/13/17 18:14	1
Acenaphthylene	**8.4**	**J**	14	0.74	ug/Kg	☼	06/09/17 09:43	06/13/17 18:14	1
Acetophenone	ND		210	20	ug/Kg	☼	06/09/17 09:43	06/13/17 18:14	1
Anthracene	**43**		14	1.7	ug/Kg	☼	06/09/17 09:43	06/13/17 18:14	1
Benzo[a]anthracene	**130**		14	1.3	ug/Kg	☼	06/09/17 09:43	06/13/17 18:14	1
Benzo[a]pyrene	**140**		14	1.4	ug/Kg	☼	06/09/17 09:43	06/13/17 18:14	1
Benzo[b]fluoranthene	**220**		14	1.3	ug/Kg	☼	06/09/17 09:43	06/13/17 18:14	1
Benzo[g,h,i]perylene	**110**		14	0.74	ug/Kg	☼	06/09/17 09:43	06/13/17 18:14	1
Benzo[k]fluoranthene	**84**		14	1.4	ug/Kg	☼	06/09/17 09:43	06/13/17 18:14	1
Bis(2-chloroethoxy)methane	ND		210	47	ug/Kg	☼	06/09/17 09:43	06/13/17 18:14	1
Bis(2-chloroethyl)ether	ND		210	4.2	ug/Kg	☼	06/09/17 09:43	06/13/17 18:14	1
bis (2-chloroisopropyl) ether	ND		210	20	ug/Kg	☼	06/09/17 09:43	06/13/17 18:14	1
Bis(2-ethylhexyl) phthalate	**130**	**J**	150	40	ug/Kg	☼	06/09/17 09:43	06/13/17 18:14	1
4-Bromophenyl phenyl ether	ND		110	28	ug/Kg	☼	06/09/17 09:43	06/13/17 18:14	1
Butyl benzyl phthalate	ND		150	21	ug/Kg	☼	06/09/17 09:43	06/13/17 18:14	1
4-Chloroaniline	ND		320	36	ug/Kg	☼	06/09/17 09:43	06/13/17 18:14	1
4-Chloro-3-methylphenol	ND		320	45	ug/Kg	☼	06/09/17 09:43	06/13/17 18:14	1
2-Chloronaphthalene	ND		110	0.96	ug/Kg	☼	06/09/17 09:43	06/13/17 18:14	1
2-Chlorophenol	ND		110	17	ug/Kg	☼	06/09/17 09:43	06/13/17 18:14	1
4-Chlorophenyl phenyl ether	ND		110	28	ug/Kg	☼	06/09/17 09:43	06/13/17 18:14	1
Chrysene	**160**		14	2.3	ug/Kg	☼	06/09/17 09:43	06/13/17 18:14	1
Dibenz(a,h)anthracene	**25**		14	1.4	ug/Kg	☼	06/09/17 09:43	06/13/17 18:14	1
Dibenzofuran	**30**	**J**	110	1.4	ug/Kg	☼	06/09/17 09:43	06/13/17 18:14	1
3,3'-Dichlorobenzidine	ND		210	38	ug/Kg	☼	06/09/17 09:43	06/13/17 18:14	1
2,4-Dichlorophenol	ND		320	42	ug/Kg	☼	06/09/17 09:43	06/13/17 18:14	1
Diethyl phthalate	ND		150	34	ug/Kg	☼	06/09/17 09:43	06/13/17 18:14	1
2,4-Dimethylphenol	ND		320	42	ug/Kg	☼	06/09/17 09:43	06/13/17 18:14	1
Dimethyl phthalate	ND		150	36	ug/Kg	☼	06/09/17 09:43	06/13/17 18:14	1
Di-n-butyl phthalate	**43**	**J**	150	32	ug/Kg	☼	06/09/17 09:43	06/13/17 18:14	1
4,6-Dinitro-2-methylphenol	ND		320	20	ug/Kg	☼	06/09/17 09:43	06/13/17 18:14	1
2,4-Dinitrophenol	ND		700	45	ug/Kg	☼	06/09/17 09:43	06/13/17 18:14	1
2,4-Dinitrotoluene	ND		420	36	ug/Kg	☼	06/09/17 09:43	06/13/17 18:14	1
2,6-Dinitrotoluene	ND		420	45	ug/Kg	☼	06/09/17 09:43	06/13/17 18:14	1
Di-n-octyl phthalate	ND		150	17	ug/Kg	☼	06/09/17 09:43	06/13/17 18:14	1
Fluoranthene	**320**		14	1.2	ug/Kg	☼	06/09/17 09:43	06/13/17 18:14	1
Fluorene	**18**		14	1.1	ug/Kg	☼	06/09/17 09:43	06/13/17 18:14	1
Hexachlorobenzene	ND		14	4.5	ug/Kg	☼	06/09/17 09:43	06/13/17 18:14	1
Hexachlorobutadiene	ND		110	12	ug/Kg	☼	06/09/17 09:43	06/13/17 18:14	1
Hexachlorocyclopentadiene	ND		700	17	ug/Kg	☼	06/09/17 09:43	06/13/17 18:14	1
Hexachloroethane	ND		110	19	ug/Kg	☼	06/09/17 09:43	06/13/17 18:14	1
Indeno[1,2,3-cd]pyrene	**88**		14	0.74	ug/Kg	☼	06/09/17 09:43	06/13/17 18:14	1
Isophorone	ND		110	28	ug/Kg	☼	06/09/17 09:43	06/13/17 18:14	1
2-Methylnaphthalene	**71**		14	1.1	ug/Kg	☼	06/09/17 09:43	06/13/17 18:14	1
2-Methylphenol	ND		420	23	ug/Kg	☼	06/09/17 09:43	06/13/17 18:14	1
3 & 4 Methylphenol	ND		850	42	ug/Kg	☼	06/09/17 09:43	06/13/17 18:14	1

Client Sample ID: SITE SS12 GRID D6
Date Collected: 06/07/17 10:00
Date Received: 06/07/17 15:34

Lab Sample ID: 240-80547-6
Matrix: Solid
Percent Solids: 47.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**43**		14	1.7	ug/Kg	☼	06/09/17 09:43	06/13/17 18:14	1
2-Nitroaniline	ND		420	19	ug/Kg	☼	06/09/17 09:43	06/13/17 18:14	1
3-Nitroaniline	ND		420	34	ug/Kg	☼	06/09/17 09:43	06/13/17 18:14	1
4-Nitroaniline	ND		420	55	ug/Kg	☼	06/09/17 09:43	06/13/17 18:14	1
Nitrobenzene	ND		210	4.7	ug/Kg	☼	06/09/17 09:43	06/13/17 18:14	1
2-Nitrophenol	ND		110	18	ug/Kg	☼	06/09/17 09:43	06/13/17 18:14	1
4-Nitrophenol	ND		700	36	ug/Kg	☼	06/09/17 09:43	06/13/17 18:14	1
N-Nitrosodi-n-propylamine	ND		110	13	ug/Kg	☼	06/09/17 09:43	06/13/17 18:14	1
N-Nitrosodiphenylamine	ND		110	45	ug/Kg	☼	06/09/17 09:43	06/13/17 18:14	1
Pentachlorophenol	ND		320	19	ug/Kg	☼	06/09/17 09:43	06/13/17 18:14	1
Phenanthrene	**110**		14	1.5	ug/Kg	☼	06/09/17 09:43	06/13/17 18:14	1
Phenol	ND		110	15	ug/Kg	☼	06/09/17 09:43	06/13/17 18:14	1
Pyrene	**290**		14	0.93	ug/Kg	☼	06/09/17 09:43	06/13/17 18:14	1
2,4,5-Trichlorophenol	ND		320	53	ug/Kg	☼	06/09/17 09:43	06/13/17 18:14	1
2,4,6-Trichlorophenol	ND		320	19	ug/Kg	☼	06/09/17 09:43	06/13/17 18:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*56*		*32 - 120*	*06/09/17 09:43*	*06/13/17 18:14*	*1*
2-Fluorophenol (Surr)	*47*		*29 - 120*	*06/09/17 09:43*	*06/13/17 18:14*	*1*
Nitrobenzene-d5 (Surr)	*41*		*30 - 120*	*06/09/17 09:43*	*06/13/17 18:14*	*1*
Phenol-d5 (Surr)	*56*		*29 - 120*	*06/09/17 09:43*	*06/13/17 18:14*	*1*
Terphenyl-d14 (Surr)	*62*		*41 - 120*	*06/09/17 09:43*	*06/13/17 18:14*	*1*
2,4,6-Tribromophenol (Surr)	*56*		*10 - 120*	*06/09/17 09:43*	*06/13/17 18:14*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C20	**1100**		100	31	mg/Kg	☼	06/08/17 08:35	06/13/17 18:30	1
C20-C34	**870**		100	31	mg/Kg	☼	06/08/17 08:35	06/13/17 18:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*43*		*40 - 160*	*06/08/17 08:35*	*06/13/17 18:30*	*1*

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		11	5.1	ug/Kg	☼	06/08/17 10:50	06/15/17 17:34	1
alpha-BHC	ND		11	3.4	ug/Kg	☼	06/08/17 10:50	06/15/17 17:34	1
alpha-Chlordane	ND		11	8.1	ug/Kg	☼	06/08/17 10:50	06/15/17 17:34	1
beta-BHC	ND		11	8.3	ug/Kg	☼	06/08/17 10:50	06/15/17 17:34	1
4,4'-DDD	ND		11	7.0	ug/Kg	☼	06/08/17 10:50	06/15/17 17:34	1
4,4'-DDE	ND		11	2.5	ug/Kg	☼	06/08/17 10:50	06/15/17 17:34	1
4,4'-DDT	ND		11	3.0	ug/Kg	☼	06/08/17 10:50	06/15/17 17:34	1
delta-BHC	ND		540	140	ug/Kg	☼	06/08/17 10:50	06/14/17 18:23	50
Dieldrin	ND		11	1.9	ug/Kg	☼	06/08/17 10:50	06/15/17 17:34	1
Endosulfan I	ND		11	2.8	ug/Kg	☼	06/08/17 10:50	06/15/17 17:34	1
Endosulfan II	ND		11	3.8	ug/Kg	☼	06/08/17 10:50	06/15/17 17:34	1
Endosulfan sulfate	ND		540	130	ug/Kg	☼	06/08/17 10:50	06/14/17 18:23	50
Endrin	ND		11	3.0	ug/Kg	☼	06/08/17 10:50	06/15/17 17:34	1
Endrin aldehyde	ND		540	190	ug/Kg	☼	06/08/17 10:50	06/14/17 18:23	50
Endrin ketone	ND		11	2.3	ug/Kg	☼	06/08/17 10:50	06/15/17 17:34	1
gamma-BHC (Lindane)	ND		11	6.2	ug/Kg	☼	06/08/17 10:50	06/15/17 17:34	1

Client Sample ID: SITE SS12 GRID D6

Date Collected: 06/07/17 10:00
Date Received: 06/07/17 15:34

Lab Sample ID: 240-80547-6

Matrix: Solid
Percent Solids: 47.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-Chlordane	ND		11	3.2	ug/Kg	☼	06/08/17 10:50	06/15/17 17:34	1
Heptachlor	ND		11	1.7	ug/Kg	☼	06/08/17 10:50	06/15/17 17:34	1
Heptachlor epoxide	ND		11	5.1	ug/Kg	☼	06/08/17 10:50	06/15/17 17:34	1
Methoxychlor	ND		21	2.5	ug/Kg	☼	06/08/17 10:50	06/15/17 17:34	1
Toxaphene	ND		210	78	ug/Kg	☼	06/08/17 10:50	06/15/17 17:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*162*	*X*	*13 - 135*	*06/08/17 10:50*	*06/14/17 18:23*	*50*
DCB Decachlorobiphenyl	*86*	*p*	*13 - 135*	*06/08/17 10:50*	*06/14/17 18:23*	*50*
DCB Decachlorobiphenyl	*62*		*13 - 135*	*06/08/17 10:50*	*06/15/17 17:34*	*1*
DCB Decachlorobiphenyl	*63*		*13 - 135*	*06/08/17 10:50*	*06/15/17 17:34*	*1*
Tetrachloro-m-xylene	*90*		*30 - 120*	*06/08/17 10:50*	*06/14/17 18:23*	*50*
Tetrachloro-m-xylene	*119*		*30 - 120*	*06/08/17 10:50*	*06/14/17 18:23*	*50*
Tetrachloro-m-xylene	*100*		*30 - 120*	*06/08/17 10:50*	*06/15/17 17:34*	*1*
Tetrachloro-m-xylene	*66*		*30 - 120*	*06/08/17 10:50*	*06/15/17 17:34*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		110	51	ug/Kg	☼	06/08/17 10:31	06/10/17 18:11	1
Aroclor-1221	ND		110	49	ug/Kg	☼	06/08/17 10:31	06/10/17 18:11	1
Aroclor-1232	ND		110	34	ug/Kg	☼	06/08/17 10:31	06/10/17 18:11	1
Aroclor-1242	ND		110	42	ug/Kg	☼	06/08/17 10:31	06/10/17 18:11	1
Aroclor-1248	ND		110	36	ug/Kg	☼	06/08/17 10:31	06/10/17 18:11	1
Aroclor-1254	ND		110	30	ug/Kg	☼	06/08/17 10:31	06/10/17 18:11	1
Aroclor-1260	ND		110	38	ug/Kg	☼	06/08/17 10:31	06/10/17 18:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*92*		*14 - 128*	*06/08/17 10:31*	*06/10/17 18:11*	*1*
DCB Decachlorobiphenyl	*85*		*10 - 132*	*06/08/17 10:31*	*06/10/17 18:11*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	ND		510	64	ug/Kg	☼	06/09/17 08:29	06/14/17 00:28	1
Silvex (2,4,5-TP)	ND		130	13	ug/Kg	☼	06/09/17 08:29	06/14/17 00:28	1
2,4,5-T	ND		130	15	ug/Kg	☼	06/09/17 08:29	06/14/17 00:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*32*		*19 - 120*	*06/09/17 08:29*	*06/14/17 00:28*	*1*
2,4-Dichlorophenylacetic acid	*31*		*19 - 120*	*06/09/17 08:29*	*06/14/17 00:28*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**3500**		38	11	mg/Kg	☼	06/15/17 13:48	06/16/17 14:26	1
Calcium	**84000**		940	43	mg/Kg	☼	06/15/17 13:48	06/16/17 14:26	1
Iron	**29000**		19	6.0	mg/Kg	☼	06/15/17 13:48	06/16/17 14:26	1
Magnesium	**2900**	**B**	940	9.8	mg/Kg	☼	06/15/17 13:48	06/16/17 14:26	1
Potassium	**400**	**J B**	940	12	mg/Kg	☼	06/15/17 13:48	06/16/17 14:26	1
Selenium	**1.3**		0.94	0.64	mg/Kg	☼	06/15/17 13:48	06/16/17 14:26	1
Sodium	**210**	**J**	940	36	mg/Kg	☼	06/15/17 13:48	06/16/17 14:26	1

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron, OH

TestAmerica Job ID: 240-80547-1

Client Sample ID: SITE SS12 GRID D6
Date Collected: 06/07/17 10:00
Date Received: 06/07/17 15:34

Lab Sample ID: 240-80547-6
Matrix: Solid
Percent Solids: 47.5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	27		1.9	0.049	mg/Kg	☼	06/15/17 13:48	06/16/17 23:04	2
Barium	110		1.9	0.41	mg/Kg	☼	06/15/17 13:48	06/16/17 23:04	2
Cadmium	0.59		0.38	0.0070	mg/Kg	☼	06/15/17 13:48	06/16/17 23:04	2
Chromium	9.6	B	0.75	0.11	mg/Kg	☼	06/15/17 13:48	06/16/17 23:04	2
Copper	24	B	0.75	0.18	mg/Kg	☼	06/15/17 13:48	06/16/17 23:04	2
Lead	120		0.38	0.085	mg/Kg	☼	06/15/17 13:48	06/16/17 23:04	2
Manganese	440	B	1.9	0.23	mg/Kg	☼	06/15/17 13:48	06/16/17 23:04	2
Nickel	15		0.75	0.073	mg/Kg	☼	06/15/17 13:48	06/16/17 23:04	2
Strontium	84	B	3.8	0.047	mg/Kg	☼	06/15/17 13:48	06/16/17 23:04	2
Zinc	390		7.5	0.94	mg/Kg	☼	06/15/17 13:48	06/16/17 23:04	2

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.28	F1	0.23	0.042	mg/Kg	☼	06/15/17 16:00	06/16/17 16:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Duplicates	50000		2100	1600	mg/Kg	☼		06/15/17 15:08	1
Percent Solids	47.5		0.1	0.1	%			06/08/17 08:46	1
Percent Moisture	52.5		0.1	0.1	%			06/08/17 08:46	1

Method: D422 - Grain Size

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gravel	2.4				%			06/08/17 19:15	1
Sieve Size 3 inch - Percent Finer	100.0				% Passing			06/08/17 19:15	1
Sand	65.0				%			06/08/17 19:15	1
Sieve Size 2 inch - Percent Finer	100.0				% Passing			06/08/17 19:15	1
Coarse Sand	3.5				%			06/08/17 19:15	1
Sieve Size 1.5 inch - Percent Finer	100.0				% Passing			06/08/17 19:15	1
Medium Sand	19.7				%			06/08/17 19:15	1
Sieve Size 1 inch - Percent Finer	100.0				% Passing			06/08/17 19:15	1
Fine Sand	41.8				%			06/08/17 19:15	1
Sieve Size 0.75 inch - Percent Finer	100.0				% Passing			06/08/17 19:15	1
Sieve Size 0.375 inch - Percent Finer	100.0				% Passing			06/08/17 19:15	1
Silt	20.9				%			06/08/17 19:15	1
Clay	11.7				%			06/08/17 19:15	1
Sieve Size #4 - Percent Finer	97.6				% Passing			06/08/17 19:15	1
Sieve Size #10 - Percent Finer	94.1				% Passing			06/08/17 19:15	1
Sieve Size #20 - Percent Finer	87.3				% Passing			06/08/17 19:15	1
Sieve Size #40 - Percent Finer	74.4				% Passing			06/08/17 19:15	1
Sieve Size #60 - Percent Finer	52.2				% Passing			06/08/17 19:15	1
Sieve Size #80 - Percent Finer	42.3				% Passing			06/08/17 19:15	1
Sieve Size #100 - Percent Finer	38.9				% Passing			06/08/17 19:15	1
Sieve Size #200 - Percent Finer	32.6				% Passing			06/08/17 19:15	1
Hydrometer Reading 1 - Percent Finer	23.2				% Passing			06/08/17 19:15	1
Hydrometer Reading 2 - Percent Finer	20.9				% Passing			06/08/17 19:15	1

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron, OH

TestAmerica Job ID: 240-80547-1

Client Sample ID: SITE SS12 GRID D6
Date Collected: 06/07/17 10:00
Date Received: 06/07/17 15:34

Lab Sample ID: 240-80547-6
Matrix: Solid
Percent Solids: 47.5

Method: D422 - Grain Size (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hydrometer Reading 3 - Percent Finer	16.3				% Passing			06/08/17 19:15	1
Hydrometer Reading 4 - Percent Finer	14.0				% Passing			06/08/17 19:15	1
Hydrometer Reading 5 - Percent Finer	11.7				% Passing			06/08/17 19:15	1
Hydrometer Reading 6 - Percent Finer	7.7				% Passing			06/08/17 19:15	1
Hydrometer Reading 7 - Percent Finer	6.9				% Passing			06/08/17 19:15	1

Client Sample ID: SITE SS13 GRID D80

Date Collected: 06/07/17 11:10
Date Received: 06/07/17 15:34

Lab Sample ID: 240-80547-7

Matrix: Solid
Percent Solids: 23.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**170**		170	26	ug/Kg	☼	06/20/17 04:03	06/20/17 04:48	1
Benzene	ND		42	2.7	ug/Kg	☼	06/20/17 04:03	06/20/17 04:48	1
Bromoform	ND		100	8.0	ug/Kg	☼	06/19/17 02:29	06/19/17 08:23	1
Bromomethane	ND		42	5.0	ug/Kg	☼	06/20/17 04:03	06/20/17 04:48	1
2-Butanone (MEK)	**68**	**J**	170	11	ug/Kg	☼	06/20/17 04:03	06/20/17 04:48	1
Carbon disulfide	**3.3**	**J**	42	1.8	ug/Kg	☼	06/20/17 04:03	06/20/17 04:48	1
Carbon tetrachloride	ND		42	2.1	ug/Kg	☼	06/20/17 04:03	06/20/17 04:48	1
Chlorobenzene	ND		100	6.6	ug/Kg	☼	06/19/17 02:29	06/19/17 08:23	1
Chlorodibromomethane	ND		100	6.0	ug/Kg	☼	06/19/17 02:29	06/19/17 08:23	1
Chloroethane	ND		42	3.2	ug/Kg	☼	06/20/17 04:03	06/20/17 04:48	1
Chloroform	ND		42	1.9	ug/Kg	☼	06/20/17 04:03	06/20/17 04:48	1
Chloromethane	ND		42	3.2	ug/Kg	☼	06/20/17 04:03	06/20/17 04:48	1
cis-1,2-Dichloroethene	ND		42	2.4	ug/Kg	☼	06/20/17 04:03	06/20/17 04:48	1
cis-1,3-Dichloropropene	ND		42	2.2	ug/Kg	☼	06/20/17 04:03	06/20/17 04:48	1
1,2-Dibromo-3-Chloropropane	ND		200	14	ug/Kg	☼	06/19/17 02:29	06/19/17 08:23	1
1,2-Dichlorobenzene	ND		100	4.4	ug/Kg	☼	06/19/17 02:29	06/19/17 08:23	1
1,3-Dichlorobenzene	ND		100	5.8	ug/Kg	☼	06/19/17 02:29	06/19/17 08:23	1
1,4-Dichlorobenzene	ND		100	7.0	ug/Kg	☼	06/19/17 02:29	06/19/17 08:23	1
Dichlorobromomethane	ND		42	2.8	ug/Kg	☼	06/20/17 04:03	06/20/17 04:48	1
Dichlorodifluoromethane	ND		42	2.9	ug/Kg	☼	06/20/17 04:03	06/20/17 04:48	1
1,1-Dichloroethane	ND		42	2.8	ug/Kg	☼	06/20/17 04:03	06/20/17 04:48	1
1,2-Dichloroethane	ND		42	2.4	ug/Kg	☼	06/20/17 04:03	06/20/17 04:48	1
1,1-Dichloroethene	ND		42	4.5	ug/Kg	☼	06/20/17 04:03	06/20/17 04:48	1
1,2-Dichloropropane	ND		42	2.6	ug/Kg	☼	06/20/17 04:03	06/20/17 04:48	1
Ethylbenzene	ND		100	5.4	ug/Kg	☼	06/19/17 02:29	06/19/17 08:23	1
Ethylene Dibromide	ND		100	7.0	ug/Kg	☼	06/19/17 02:29	06/19/17 08:23	1
2-Hexanone	ND		400	12	ug/Kg	☼	06/19/17 02:29	06/19/17 08:23	1
Isopropylbenzene	ND		100	4.0	ug/Kg	☼	06/19/17 02:29	06/19/17 08:23	1
Methylene Chloride	**20**	**J B**	42	2.0	ug/Kg	☼	06/20/17 04:03	06/20/17 04:48	1
4-Methyl-2-pentanone (MIBK)	ND		170	7.5	ug/Kg	☼	06/20/17 04:03	06/20/17 04:48	1
Methyl tert-butyl ether	ND		42	2.3	ug/Kg	☼	06/20/17 04:03	06/20/17 04:48	1
Styrene	ND		100	5.4	ug/Kg	☼	06/19/17 02:29	06/19/17 08:23	1
1,1,2,2-Tetrachloroethane	ND		100	5.2	ug/Kg	☼	06/19/17 02:29	06/19/17 08:23	1
Tetrachloroethene	ND		100	7.4	ug/Kg	☼	06/19/17 02:29	06/19/17 08:23	1
Toluene	ND		100	6.8	ug/Kg	☼	06/19/17 02:29	06/19/17 08:23	1
trans-1,2-Dichloroethene	ND		42	3.2	ug/Kg	☼	06/20/17 04:03	06/20/17 04:48	1
trans-1,3-Dichloropropene	ND		100	4.2	ug/Kg	☼	06/19/17 02:29	06/19/17 08:23	1
1,2,4-Trichlorobenzene	ND		100	4.8	ug/Kg	☼	06/19/17 02:29	06/19/17 08:23	1
1,1,1-Trichloroethane	ND		42	1.9	ug/Kg	☼	06/20/17 04:03	06/20/17 04:48	1
1,1,2-Trichloroethane	ND		100	7.8	ug/Kg	☼	06/19/17 02:29	06/19/17 08:23	1
Trichloroethene	ND		42	3.4	ug/Kg	☼	06/20/17 04:03	06/20/17 04:48	1
Trichlorofluoromethane	ND		42	2.0	ug/Kg	☼	06/20/17 04:03	06/20/17 04:48	1
Vinyl chloride	ND		42	2.4	ug/Kg	☼	06/20/17 04:03	06/20/17 04:48	1
Xylenes, Total	**12**	**J**	200	8.0	ug/Kg	☼	06/19/17 02:29	06/19/17 08:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*77*		*61 - 132*	*06/19/17 02:29*	*06/19/17 08:23*	*1*
4-Bromofluorobenzene (Surr)	*69*	*	*61 - 132*	*06/20/17 04:03*	*06/20/17 04:48*	*1*
Dibromofluoromethane (Surr)	*76*		*43 - 131*	*06/19/17 02:29*	*06/19/17 08:23*	*1*

Client Sample ID: SITE SS13 GRID D80

Date Collected: 06/07/17 11:10
Date Received: 06/07/17 15:34

Lab Sample ID: 240-80547-7

Matrix: Solid
Percent Solids: 23.2

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	78		43 - 131	06/20/17 04:03	06/20/17 04:48	1
1,2-Dichloroethane-d4 (Surr)	76		61 - 127	06/19/17 02:29	06/19/17 08:23	1
1,2-Dichloroethane-d4 (Surr)	74		61 - 127	06/20/17 04:03	06/20/17 04:48	1
Toluene-d8 (Surr)	97		66 - 125	06/19/17 02:29	06/19/17 08:23	1
Toluene-d8 (Surr)	109	*	66 - 125	06/20/17 04:03	06/20/17 04:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**760**		140	16	ug/Kg	☼	06/09/17 09:43	06/13/17 18:40	5
Acenaphthylene	**240**		140	7.5	ug/Kg	☼	06/09/17 09:43	06/13/17 18:40	5
Acetophenone	**200**	**J**	2100	200	ug/Kg	☼	06/09/17 09:43	06/13/17 18:40	5
Anthracene	**1600**		140	17	ug/Kg	☼	06/09/17 09:43	06/13/17 18:40	5
Benzo[a]anthracene	**2400**		140	13	ug/Kg	☼	06/09/17 09:43	06/13/17 18:40	5
Benzo[a]pyrene	**2000**		140	14	ug/Kg	☼	06/09/17 09:43	06/13/17 18:40	5
Benzo[b]fluoranthene	**2700**		140	13	ug/Kg	☼	06/09/17 09:43	06/13/17 18:40	5
Benzo[g,h,i]perylene	**1100**		140	7.5	ug/Kg	☼	06/09/17 09:43	06/13/17 18:40	5
Benzo[k]fluoranthene	**850**		140	14	ug/Kg	☼	06/09/17 09:43	06/13/17 18:40	5
Bis(2-chloroethoxy)methane	ND		2100	470	ug/Kg	☼	06/09/17 09:43	06/13/17 18:40	5
Bis(2-chloroethyl)ether	ND		2100	43	ug/Kg	☼	06/09/17 09:43	06/13/17 18:40	5
bis (2-chloroisopropyl) ether	ND		2100	200	ug/Kg	☼	06/09/17 09:43	06/13/17 18:40	5
Bis(2-ethylhexyl) phthalate	**13000**		1500	400	ug/Kg	☼	06/09/17 09:43	06/13/17 18:40	5
4-Bromophenyl phenyl ether	ND		1100	280	ug/Kg	☼	06/09/17 09:43	06/13/17 18:40	5
Butyl benzyl phthalate	ND		1500	210	ug/Kg	☼	06/09/17 09:43	06/13/17 18:40	5
4-Chloroaniline	ND		3200	360	ug/Kg	☼	06/09/17 09:43	06/13/17 18:40	5
4-Chloro-3-methylphenol	ND		3200	450	ug/Kg	☼	06/09/17 09:43	06/13/17 18:40	5
2-Chloronaphthalene	ND		1100	9.6	ug/Kg	☼	06/09/17 09:43	06/13/17 18:40	5
2-Chlorophenol	ND		1100	170	ug/Kg	☼	06/09/17 09:43	06/13/17 18:40	5
4-Chlorophenyl phenyl ether	ND		1100	280	ug/Kg	☼	06/09/17 09:43	06/13/17 18:40	5
Chrysene	**3100**		140	23	ug/Kg	☼	06/09/17 09:43	06/13/17 18:40	5
Dibenz(a,h)anthracene	ND		140	14	ug/Kg	☼	06/09/17 09:43	06/13/17 18:40	5
Dibenzofuran	**640**	**J**	1100	14	ug/Kg	☼	06/09/17 09:43	06/13/17 18:40	5
3,3'-Dichlorobenzidine	ND		2100	380	ug/Kg	☼	06/09/17 09:43	06/13/17 18:40	5
2,4-Dichlorophenol	ND		3200	430	ug/Kg	☼	06/09/17 09:43	06/13/17 18:40	5
Diethyl phthalate	ND		1500	340	ug/Kg	☼	06/09/17 09:43	06/13/17 18:40	5
2,4-Dimethylphenol	ND		3200	430	ug/Kg	☼	06/09/17 09:43	06/13/17 18:40	5
Dimethyl phthalate	ND		1500	360	ug/Kg	☼	06/09/17 09:43	06/13/17 18:40	5
Di-n-butyl phthalate	ND		1500	320	ug/Kg	☼	06/09/17 09:43	06/13/17 18:40	5
4,6-Dinitro-2-methylphenol	ND		3200	200	ug/Kg	☼	06/09/17 09:43	06/13/17 18:40	5
2,4-Dinitrophenol	ND		7000	450	ug/Kg	☼	06/09/17 09:43	06/13/17 18:40	5
2,4-Dinitrotoluene	ND		4300	360	ug/Kg	☼	06/09/17 09:43	06/13/17 18:40	5
2,6-Dinitrotoluene	ND		4300	450	ug/Kg	☼	06/09/17 09:43	06/13/17 18:40	5
Di-n-octyl phthalate	ND		1500	170	ug/Kg	☼	06/09/17 09:43	06/13/17 18:40	5
Fluoranthene	**6700**		140	12	ug/Kg	☼	06/09/17 09:43	06/13/17 18:40	5
Fluorene	**1200**		140	11	ug/Kg	☼	06/09/17 09:43	06/13/17 18:40	5
Hexachlorobenzene	ND		140	45	ug/Kg	☼	06/09/17 09:43	06/13/17 18:40	5
Hexachlorobutadiene	ND		1100	120	ug/Kg	☼	06/09/17 09:43	06/13/17 18:40	5
Hexachlorocyclopentadiene	ND		7000	170	ug/Kg	☼	06/09/17 09:43	06/13/17 18:40	5
Hexachloroethane	ND		1100	190	ug/Kg	☼	06/09/17 09:43	06/13/17 18:40	5
Indeno[1,2,3-cd]pyrene	**780**		140	7.5	ug/Kg	☼	06/09/17 09:43	06/13/17 18:40	5

Client Sample ID: SITE SS13 GRID D80

Date Collected: 06/07/17 11:10
Date Received: 06/07/17 15:34

Lab Sample ID: 240-80547-7

Matrix: Solid
Percent Solids: 23.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isophorone	ND		1100	280	ug/Kg	☼	06/09/17 09:43	06/13/17 18:40	5
2-Methylnaphthalene	**2000**		140	11	ug/Kg	☼	06/09/17 09:43	06/13/17 18:40	5
2-Methylphenol	ND		4300	230	ug/Kg	☼	06/09/17 09:43	06/13/17 18:40	5
3 & 4 Methylphenol	ND		8500	430	ug/Kg	☼	06/09/17 09:43	06/13/17 18:40	5
Naphthalene	**1100**		140	17	ug/Kg	☼	06/09/17 09:43	06/13/17 18:40	5
2-Nitroaniline	ND		4300	190	ug/Kg	☼	06/09/17 09:43	06/13/17 18:40	5
3-Nitroaniline	ND		4300	340	ug/Kg	☼	06/09/17 09:43	06/13/17 18:40	5
4-Nitroaniline	ND		4300	550	ug/Kg	☼	06/09/17 09:43	06/13/17 18:40	5
Nitrobenzene	ND		2100	47	ug/Kg	☼	06/09/17 09:43	06/13/17 18:40	5
2-Nitrophenol	ND		1100	180	ug/Kg	☼	06/09/17 09:43	06/13/17 18:40	5
4-Nitrophenol	ND		7000	360	ug/Kg	☼	06/09/17 09:43	06/13/17 18:40	5
N-Nitrosodi-n-propylamine	ND		1100	130	ug/Kg	☼	06/09/17 09:43	06/13/17 18:40	5
N-Nitrosodiphenylamine	**4700**		1100	450	ug/Kg	☼	06/09/17 09:43	06/13/17 18:40	5
Pentachlorophenol	ND		3200	190	ug/Kg	☼	06/09/17 09:43	06/13/17 18:40	5
Phenanthrene	**5600**		140	16	ug/Kg	☼	06/09/17 09:43	06/13/17 18:40	5
Phenol	ND		1100	160	ug/Kg	☼	06/09/17 09:43	06/13/17 18:40	5
Pyrene	**6500**		140	9.4	ug/Kg	☼	06/09/17 09:43	06/13/17 18:40	5
2,4,5-Trichlorophenol	ND		3200	530	ug/Kg	☼	06/09/17 09:43	06/13/17 18:40	5
2,4,6-Trichlorophenol	ND		3200	190	ug/Kg	☼	06/09/17 09:43	06/13/17 18:40	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*74*		*32 - 120*	*06/09/17 09:43*	*06/13/17 18:40*	*5*
2-Fluorophenol (Surr)	*76*		*29 - 120*	*06/09/17 09:43*	*06/13/17 18:40*	*5*
Nitrobenzene-d5 (Surr)	*65*		*30 - 120*	*06/09/17 09:43*	*06/13/17 18:40*	*5*
Phenol-d5 (Surr)	*80*		*29 - 120*	*06/09/17 09:43*	*06/13/17 18:40*	*5*
Terphenyl-d14 (Surr)	*74*		*41 - 120*	*06/09/17 09:43*	*06/13/17 18:40*	*5*
2,4,6-Tribromophenol (Surr)	*74*		*10 - 120*	*06/09/17 09:43*	*06/13/17 18:40*	*5*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C20	**2100**		1100	320	mg/Kg	☼	06/08/17 08:35	06/13/17 19:01	5
C20-C34	**4500**		1100	320	mg/Kg	☼	06/08/17 08:35	06/13/17 19:01	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*48*		*40 - 160*	*06/08/17 08:35*	*06/13/17 19:01*	*5*

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		22	10	ug/Kg	☼	06/08/17 10:50	06/15/17 17:47	1
alpha-BHC	ND	F1 F2	22	6.8	ug/Kg	☼	06/08/17 10:50	06/15/17 17:47	1
alpha-Chlordane	ND		22	16	ug/Kg	☼	06/08/17 10:50	06/15/17 17:47	1
beta-BHC	ND		22	17	ug/Kg	☼	06/08/17 10:50	06/15/17 17:47	1
4,4'-DDD	ND	F1 F2	22	14	ug/Kg	☼	06/08/17 10:50	06/15/17 17:47	1
4,4'-DDE	ND	F1	22	5.1	ug/Kg	☼	06/08/17 10:50	06/15/17 17:47	1
4,4'-DDT	ND		22	6.0	ug/Kg	☼	06/08/17 10:50	06/15/17 17:47	1
delta-BHC	ND	F1	1100	280	ug/Kg	☼	06/08/17 10:50	06/14/17 18:36	50
Dieldrin	ND		22	3.8	ug/Kg	☼	06/08/17 10:50	06/15/17 17:47	1
Endosulfan I	ND		22	5.5	ug/Kg	☼	06/08/17 10:50	06/15/17 17:47	1
Endosulfan II	ND	F2	22	7.7	ug/Kg	☼	06/08/17 10:50	06/15/17 17:47	1
Endosulfan sulfate	ND	F1	1100	260	ug/Kg	☼	06/08/17 10:50	06/14/17 18:36	50

Client Sample ID: SITE SS13 GRID D80

Date Collected: 06/07/17 11:10
Date Received: 06/07/17 15:34

Lab Sample ID: 240-80547-7

Matrix: Solid
Percent Solids: 23.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin	ND	F1	22	6.0	ug/Kg	☼	06/08/17 10:50	06/15/17 17:47	1
Endrin aldehyde	ND	F1	1100	380	ug/Kg	☼	06/08/17 10:50	06/14/17 18:36	50
Endrin ketone	ND		22	4.7	ug/Kg	☼	06/08/17 10:50	06/15/17 17:47	1
gamma-BHC (Lindane)	ND	F1 F2	22	12	ug/Kg	☼	06/08/17 10:50	06/15/17 17:47	1
gamma-Chlordane	ND		22	6.4	ug/Kg	☼	06/08/17 10:50	06/15/17 17:47	1
Heptachlor	ND		22	3.3	ug/Kg	☼	06/08/17 10:50	06/15/17 17:47	1
Heptachlor epoxide	ND	F1	22	10	ug/Kg	☼	06/08/17 10:50	06/15/17 17:47	1
Methoxychlor	ND	F1 F2	42	5.1	ug/Kg	☼	06/08/17 10:50	06/15/17 17:47	1
Toxaphene	ND		430	160	ug/Kg	☼	06/08/17 10:50	06/15/17 17:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*202*	*X*	*13 - 135*	*06/08/17 10:50*	*06/14/17 18:36*	*50*
DCB Decachlorobiphenyl	*126*	*p*	*13 - 135*	*06/08/17 10:50*	*06/14/17 18:36*	*50*
DCB Decachlorobiphenyl	*58*		*13 - 135*	*06/08/17 10:50*	*06/15/17 17:47*	*1*
DCB Decachlorobiphenyl	*62*		*13 - 135*	*06/08/17 10:50*	*06/15/17 17:47*	*1*
Tetrachloro-m-xylene	*145*	*X*	*30 - 120*	*06/08/17 10:50*	*06/14/17 18:36*	*50*
Tetrachloro-m-xylene	*135*	*X*	*30 - 120*	*06/08/17 10:50*	*06/14/17 18:36*	*50*
Tetrachloro-m-xylene	*88*		*30 - 120*	*06/08/17 10:50*	*06/15/17 17:47*	*1*
Tetrachloro-m-xylene	*67*		*30 - 120*	*06/08/17 10:50*	*06/15/17 17:47*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		210	100	ug/Kg	☼	06/08/17 10:31	06/10/17 18:30	1
Aroclor-1221	ND		210	98	ug/Kg	☼	06/08/17 10:31	06/10/17 18:30	1
Aroclor-1232	ND		210	68	ug/Kg	☼	06/08/17 10:31	06/10/17 18:30	1
Aroclor-1242	ND		210	85	ug/Kg	☼	06/08/17 10:31	06/10/17 18:30	1
Aroclor-1248	ND		210	72	ug/Kg	☼	06/08/17 10:31	06/10/17 18:30	1
Aroclor-1254	ND		210	60	ug/Kg	☼	06/08/17 10:31	06/10/17 18:30	1
Aroclor-1260	ND		210	77	ug/Kg	☼	06/08/17 10:31	06/10/17 18:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*84*		*14 - 128*	*06/08/17 10:31*	*06/10/17 18:30*	*1*
DCB Decachlorobiphenyl	*76*		*10 - 132*	*06/08/17 10:31*	*06/10/17 18:30*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	ND		1000	130	ug/Kg	☼	06/09/17 08:29	06/14/17 00:59	1
Silvex (2,4,5-TP)	ND		260	26	ug/Kg	☼	06/09/17 08:29	06/14/17 00:59	1
2,4,5-T	ND		260	30	ug/Kg	☼	06/09/17 08:29	06/14/17 00:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*42*		*19 - 120*	*06/09/17 08:29*	*06/14/17 00:59*	*1*
2,4-Dichlorophenylacetic acid	*41*		*19 - 120*	*06/09/17 08:29*	*06/14/17 00:59*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8400**		81	24	mg/Kg	☼	06/15/17 13:48	06/16/17 23:30	1
Calcium	**47000**		2000	93	mg/Kg	☼	06/15/17 13:48	06/16/17 23:30	1
Iron	**32000**		41	13	mg/Kg	☼	06/15/17 13:48	06/16/17 23:30	1
Magnesium	**5100**	**B**	2000	21	mg/Kg	☼	06/15/17 13:48	06/16/17 23:30	1
Potassium	**870**	**J B**	2000	25	mg/Kg	☼	06/15/17 13:48	06/16/17 23:30	1

Client Sample ID: SITE SS13 GRID D80

Date Collected: 06/07/17 11:10
Date Received: 06/07/17 15:34

Lab Sample ID: 240-80547-7

Matrix: Solid
Percent Solids: 23.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	2.2		2.0	1.4	mg/Kg	☼	06/15/17 13:48	06/16/17 23:30	1
Sodium	580	J	2000	77	mg/Kg	☼	06/15/17 13:48	06/16/17 23:30	1

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	41		4.1	0.11	mg/Kg	☼	06/15/17 13:48	06/19/17 14:45	2
Barium	250		4.1	0.89	mg/Kg	☼	06/15/17 13:48	06/19/17 14:45	2
Cadmium	5.5		0.81	0.015	mg/Kg	☼	06/15/17 13:48	06/19/17 14:45	2
Chromium	110	B	1.6	0.24	mg/Kg	☼	06/15/17 13:48	06/19/17 14:45	2
Copper	210	B	1.6	0.39	mg/Kg	☼	06/15/17 13:48	06/19/17 14:45	2
Lead	340		0.81	0.18	mg/Kg	☼	06/15/17 13:48	06/19/17 14:45	2
Manganese	510	B	4.1	0.49	mg/Kg	☼	06/15/17 13:48	06/19/17 14:45	2
Nickel	40		1.6	0.16	mg/Kg	☼	06/15/17 13:48	06/19/17 14:45	2
Strontium	120	B	8.1	0.10	mg/Kg	☼	06/15/17 13:48	06/19/17 14:45	2
Zinc	2900		16	2.0	mg/Kg	☼	06/15/17 13:48	06/19/17 14:45	2

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.99		0.40	0.073	mg/Kg	☼	06/15/17 16:00	06/16/17 16:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Duplicates	600000		4300	3200	mg/Kg	☼		06/15/17 15:19	1
Percent Solids	23.2		0.1	0.1	%			06/08/17 08:46	1
Percent Moisture	76.8		0.1	0.1	%			06/08/17 08:46	1

Method: D422 - Grain Size

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gravel	4.0				%			06/08/17 19:17	1
Sieve Size 3 inch - Percent Finer	100.0				% Passing			06/08/17 19:17	1
Sand	22.1				%			06/08/17 19:17	1
Sieve Size 2 inch - Percent Finer	100.0				% Passing			06/08/17 19:17	1
Coarse Sand	0.8				%			06/08/17 19:17	1
Sieve Size 1.5 inch - Percent Finer	100.0				% Passing			06/08/17 19:17	1
Medium Sand	5.4				%			06/08/17 19:17	1
Sieve Size 1 inch - Percent Finer	100.0				% Passing			06/08/17 19:17	1
Fine Sand	15.9				%			06/08/17 19:17	1
Sieve Size 0.75 inch - Percent Finer	100.0				% Passing			06/08/17 19:17	1
Sieve Size 0.375 inch - Percent Finer	100.0				% Passing			06/08/17 19:17	1
Silt	63.2				%			06/08/17 19:17	1
Clay	10.7				%			06/08/17 19:17	1
Sieve Size #4 - Percent Finer	96.0				% Passing			06/08/17 19:17	1
Sieve Size #10 - Percent Finer	95.2				% Passing			06/08/17 19:17	1
Sieve Size #20 - Percent Finer	93.3				% Passing			06/08/17 19:17	1
Sieve Size #40 - Percent Finer	89.8				% Passing			06/08/17 19:17	1
Sieve Size #60 - Percent Finer	85.3				% Passing			06/08/17 19:17	1
Sieve Size #80 - Percent Finer	82.4				% Passing			06/08/17 19:17	1
Sieve Size #100 - Percent Finer	80.4				% Passing			06/08/17 19:17	1
Sieve Size #200 - Percent Finer	73.9				% Passing			06/08/17 19:17	1

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron, OH

TestAmerica Job ID: 240-80547-1

Client Sample ID: SITE SS13 GRID D80
Date Collected: 06/07/17 11:10
Date Received: 06/07/17 15:34

Lab Sample ID: 240-80547-7
Matrix: Solid
Percent Solids: 23.2

Method: D422 - Grain Size (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hydrometer Reading 1 - Percent Finer	51.9				% Passing			06/08/17 19:17	1
Hydrometer Reading 2 - Percent Finer	43.3				% Passing			06/08/17 19:17	1
Hydrometer Reading 3 - Percent Finer	17.6				% Passing			06/08/17 19:17	1
Hydrometer Reading 4 - Percent Finer	12.4				% Passing			06/08/17 19:17	1
Hydrometer Reading 5 - Percent Finer	10.7				% Passing			06/08/17 19:17	1
Hydrometer Reading 6 - Percent Finer	8.2				% Passing			06/08/17 19:17	1
Hydrometer Reading 7 - Percent Finer	6.9				% Passing			06/08/17 19:17	1

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron, OH

TestAmerica Job ID: 240-80547-1

Client Sample ID: SITE SS12 GRID D6
Date Collected: 06/07/17 10:00
Date Received: 06/07/17 15:34

Lab Sample ID: 240-80547-8
Matrix: Sediment

Method: 6010C - Metals (ICP) - SEM/AVS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium SEM	0.057	J	0.13	0.0063	mg/Kg		06/15/17 11:48	06/20/17 23:37	1
Copper SEM	0.54	J B	0.63	0.084	mg/Kg		06/15/17 11:48	06/20/17 23:37	1
Lead SEM	1.5		0.25	0.077	mg/Kg		06/15/17 11:48	06/20/17 23:37	1
Nickel SEM	0.98	J	1.0	0.081	mg/Kg		06/15/17 11:48	06/20/17 23:37	1
Zinc SEM	9.6	B	2.5	0.17	mg/Kg		06/15/17 11:48	06/20/17 23:37	1

Method: SEM - Metals, Simultaneously Extracted Metals (SEM) - SEM/AVS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
SEM/AVS Ratio	NC		0.0010	NaN	NONE			06/22/17 15:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	63.8		0.1	0.1	%			06/10/17 07:18	1

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron, OH

TestAmerica Job ID: 240-80547-1

Client Sample ID: SITE SS12 GRID D6
Date Collected: 06/07/17 10:00
Date Received: 06/07/17 15:34

Lab Sample ID: 240-80547-8
Matrix: Sediment
Percent Solids: 36.2

Method: 7470A - Mercury (CVAA) - SEM/AVS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury SEM	ND		0.014	0.0045	mg/Kg	☼	06/15/17 11:48	06/21/17 16:12	1

General Chemistry - SEM/AVS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acid Volatile Sulfides (AVS)	ND		42	14	mg/Kg	☼	06/15/17 09:21	06/15/17 15:12	1

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron, OH

TestAmerica Job ID: 240-80547-1

Client Sample ID: SITE SS13 GRID D80

Date Collected: 06/07/17 11:10
Date Received: 06/07/17 15:34

Lab Sample ID: 240-80547-9

Matrix: Sediment

Method: 6010C - Metals (ICP) - SEM/AVS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium SEM	0.57		0.13	0.0063	mg/Kg		06/15/17 11:48	06/20/17 23:52	1
Copper SEM	3.9	B	0.63	0.084	mg/Kg		06/15/17 11:48	06/20/17 23:52	1
Lead SEM	38		0.25	0.077	mg/Kg		06/15/17 11:48	06/20/17 23:52	1
Nickel SEM	1.9		1.0	0.081	mg/Kg		06/15/17 11:48	06/20/17 23:52	1
Zinc SEM	230	B	2.5	0.17	mg/Kg		06/15/17 11:48	06/20/17 23:52	1

Method: SEM - Metals, Simultaneously Extracted Metals (SEM) - SEM/AVS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
SEM/AVS Ratio	0.13		0.0010	NaN	NONE			06/22/17 15:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	81.4		0.1	0.1	%			06/10/17 08:14	1

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron, OH

TestAmerica Job ID: 240-80547-1

Client Sample ID: SITE SS13 GRID D80
Date Collected: 06/07/17 11:10
Date Received: 06/07/17 15:34

Lab Sample ID: 240-80547-9
Matrix: Sediment
Percent Solids: 18.6

Method: 7470A - Mercury (CVAA) - SEM/AVS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury SEM	ND		0.027	0.0088	mg/Kg	☼	06/15/17 11:48	06/21/17 16:14	1

General Chemistry - SEM/AVS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acid Volatile Sulfides (AVS)	910		81	27	mg/Kg	☼	06/15/17 09:21	06/15/17 15:16	1

Surrogate Summary

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron, OH

TestAmerica Job ID: 240-80547-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	12DCE	TOL
Lab Sample ID	Client Sample ID	(61-132)	(43-131)	(61-127)	(66-125)
240-80547-6	SITE SS12 GRID D6	80	76	84	90
240-80547-7	SITE SS13 GRID D80	77	76	76	97
240-80547-7	SITE SS13 GRID D80	69 *	78	74	109 *
LCS 240-283673/6	Lab Control Sample	86	82	81	90
LCS 240-283845/6	Lab Control Sample	83	78	72	85
MB 240-283673/8	Method Blank	86	81	82	90
MB 240-283845/8	Method Blank	80	77	75	94

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)					
		FBP	2FP	NBZ	PHL	TPH	TBP
Lab Sample ID	Client Sample ID	(32-120)	(29-120)	(30-120)	(29-120)	(41-120)	(10-120)
240-80547-6	SITE SS12 GRID D6	56	47	41	56	62	56
240-80547-7	SITE SS13 GRID D80	74	76	65	80	74	74
LCS 240-282390/19-A	Lab Control Sample	86	86	86	88	94	57
MB 240-282390/18-A	Method Blank	60	50	55	59	70	18

Surrogate Legend

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

Method: 8015B - Diesel Range Organics (DRO) (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)
		OTPH1
Lab Sample ID	Client Sample ID	(40-160)
240-80547-6	SITE SS12 GRID D6	43
240-80547-7	SITE SS13 GRID D80	48
LCS 240-282153/11-A	Lab Control Sample	68
MB 240-282153/10-A	Method Blank	83

Surrogate Legend

OTPH = o-Terphenyl (Surr)

Surrogate Summary

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron, OH

TestAmerica Job ID: 240-80547-1

Method: 8081A - Organochlorine Pesticides (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DCB1	DCB2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(13-135)	(13-135)	(30-120)	(30-120)
240-80547-6	SITE SS12 GRID D6	162 X	86 p	90	119
240-80547-6	SITE SS12 GRID D6	62	63	100	66
240-80547-7	SITE SS13 GRID D80	202 X	126 p	145 X	135 X
240-80547-7	SITE SS13 GRID D80	58	62	88	67
240-80547-7 MS	SITE SS13 GRID D80	223 X	78 p	90 p	162 X
240-80547-7 MS	SITE SS13 GRID D80	109	146 X	270 X	81 p
240-80547-7 MSD	SITE SS13 GRID D80	180 X	93 p	140 X	200 X
240-80547-7 MSD	SITE SS13 GRID D80	133	174 X	190 X	106 p
LCS 240-282191/6-A	Lab Control Sample	77	74	83	77
MB 240-282191/5-A	Method Blank	79	71	67	58

Surrogate Legend

DCB = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
		TCX1	DCB1
Lab Sample ID	Client Sample ID	(14-128)	(10-132)
240-80547-6	SITE SS12 GRID D6	92	85
240-80547-7	SITE SS13 GRID D80	84	76
LCS 240-282187/14-A	Lab Control Sample	81	87
MB 240-282187/13-A	Method Blank	91	87

Surrogate Legend

TCX = Tetrachloro-m-xylene

DCB = DCB Decachlorobiphenyl

Method: 8151A - Herbicides (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		DCPA1	DCPA2
Lab Sample ID	Client Sample ID	(19-120)	(19-120)
240-80547-6	SITE SS12 GRID D6	32	31
240-80547-7	SITE SS13 GRID D80	42	41
LCS 240-282372/17-A	Lab Control Sample	46	47
MB 240-282372/16-A	Method Blank	37	36

Surrogate Legend

DCPA = 2,4-Dichlorophenylacetic acid

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

Lab Sample ID: MB 240-283673/8
Matrix: Solid
Analysis Batch: 283673

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	3.1	ug/Kg			06/19/17 03:20	1
Benzene	ND		5.0	0.32	ug/Kg			06/19/17 03:20	1
Bromoform	ND		5.0	0.40	ug/Kg			06/19/17 03:20	1
Bromomethane	ND		5.0	0.59	ug/Kg			06/19/17 03:20	1
2-Butanone (MEK)	ND		20	1.3	ug/Kg			06/19/17 03:20	1
Carbon disulfide	ND		5.0	0.21	ug/Kg			06/19/17 03:20	1
Carbon tetrachloride	ND		5.0	0.25	ug/Kg			06/19/17 03:20	1
Chlorobenzene	ND		5.0	0.33	ug/Kg			06/19/17 03:20	1
Chlorodibromomethane	ND		5.0	0.30	ug/Kg			06/19/17 03:20	1
Chloroethane	ND		5.0	0.38	ug/Kg			06/19/17 03:20	1
Chloroform	ND		5.0	0.23	ug/Kg			06/19/17 03:20	1
Chloromethane	ND		5.0	0.38	ug/Kg			06/19/17 03:20	1
cis-1,2-Dichloroethene	ND		5.0	0.28	ug/Kg			06/19/17 03:20	1
cis-1,3-Dichloropropene	ND		5.0	0.26	ug/Kg			06/19/17 03:20	1
1,2-Dibromo-3-Chloropropane	ND		10	0.68	ug/Kg			06/19/17 03:20	1
1,2-Dichlorobenzene	ND		5.0	0.22	ug/Kg			06/19/17 03:20	1
1,3-Dichlorobenzene	ND		5.0	0.29	ug/Kg			06/19/17 03:20	1
1,4-Dichlorobenzene	ND		5.0	0.35	ug/Kg			06/19/17 03:20	1
Dichlorobromomethane	ND		5.0	0.33	ug/Kg			06/19/17 03:20	1
Dichlorodifluoromethane	ND		5.0	0.35	ug/Kg			06/19/17 03:20	1
1,1-Dichloroethane	ND		5.0	0.33	ug/Kg			06/19/17 03:20	1
1,2-Dichloroethane	ND		5.0	0.29	ug/Kg			06/19/17 03:20	1
1,1-Dichloroethene	ND		5.0	0.54	ug/Kg			06/19/17 03:20	1
1,2-Dichloropropane	ND		5.0	0.31	ug/Kg			06/19/17 03:20	1
Ethylbenzene	ND		5.0	0.27	ug/Kg			06/19/17 03:20	1
Ethylene Dibromide	ND		5.0	0.35	ug/Kg			06/19/17 03:20	1
2-Hexanone	ND		20	0.58	ug/Kg			06/19/17 03:20	1
Isopropylbenzene	ND		5.0	0.20	ug/Kg			06/19/17 03:20	1
Methylene Chloride	ND		5.0	0.24	ug/Kg			06/19/17 03:20	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.89	ug/Kg			06/19/17 03:20	1
Methyl tert-butyl ether	ND		5.0	0.27	ug/Kg			06/19/17 03:20	1
Styrene	ND		5.0	0.27	ug/Kg			06/19/17 03:20	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/Kg			06/19/17 03:20	1
Tetrachloroethene	ND		5.0	0.37	ug/Kg			06/19/17 03:20	1
Toluene	ND		5.0	0.34	ug/Kg			06/19/17 03:20	1
trans-1,2-Dichloroethene	ND		5.0	0.38	ug/Kg			06/19/17 03:20	1
trans-1,3-Dichloropropene	ND		5.0	0.21	ug/Kg			06/19/17 03:20	1
1,2,4-Trichlorobenzene	ND		5.0	0.24	ug/Kg			06/19/17 03:20	1
1,1,1-Trichloroethane	ND		5.0	0.23	ug/Kg			06/19/17 03:20	1
1,1,2-Trichloroethane	ND		5.0	0.39	ug/Kg			06/19/17 03:20	1
Trichloroethene	ND		5.0	0.41	ug/Kg			06/19/17 03:20	1
Trichlorofluoromethane	ND		5.0	0.24	ug/Kg			06/19/17 03:20	1
Vinyl chloride	ND		5.0	0.28	ug/Kg			06/19/17 03:20	1
Xylenes, Total	ND		10	0.40	ug/Kg			06/19/17 03:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*61 - 132*		*06/19/17 03:20*	*1*

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

Lab Sample ID: MB 240-283673/8
Matrix: Solid
Analysis Batch: 283673

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	81		43 - 131		06/19/17 03:20	1
1,2-Dichloroethane-d4 (Surr)	82		61 - 127		06/19/17 03:20	1
Toluene-d8 (Surr)	90		66 - 125		06/19/17 03:20	1

Lab Sample ID: LCS 240-283673/6
Matrix: Solid
Analysis Batch: 283673

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	100	65.4		ug/Kg		65	24 - 125
Benzene	50.0	46.9		ug/Kg		94	77 - 120
Bromoform	50.0	41.9		ug/Kg		84	40 - 140
Bromomethane	50.0	41.3		ug/Kg		83	10 - 153
2-Butanone (MEK)	100	79.7		ug/Kg		80	51 - 120
Carbon disulfide	50.0	51.2		ug/Kg		102	17 - 163
Carbon tetrachloride	50.0	42.4		ug/Kg		85	43 - 144
Chlorobenzene	50.0	44.4		ug/Kg		89	76 - 120
Chloroethane	50.0	44.1		ug/Kg		88	10 - 166
Chloroform	50.0	44.9		ug/Kg		90	74 - 120
Chloromethane	50.0	40.6		ug/Kg		81	41 - 124
cis-1,2-Dichloroethene	50.0	47.7		ug/Kg		95	78 - 120
cis-1,3-Dichloropropene	50.0	48.3		ug/Kg		97	66 - 126
1,2-Dibromo-3-Chloropropane	50.0	42.9		ug/Kg		86	40 - 133
1,2-Dichlorobenzene	50.0	44.8		ug/Kg		90	75 - 120
1,3-Dichlorobenzene	50.0	45.4		ug/Kg		91	72 - 120
1,4-Dichlorobenzene	50.0	43.7		ug/Kg		87	71 - 120
Dichlorobromomethane	50.0	47.0		ug/Kg		94	61 - 132
Dichlorodifluoromethane	50.0	37.1		ug/Kg		74	15 - 127
1,1-Dichloroethane	50.0	44.8		ug/Kg		90	72 - 120
1,2-Dichloroethane	50.0	41.8		ug/Kg		84	71 - 120
1,1-Dichloroethene	50.0	48.5		ug/Kg		97	58 - 130
1,2-Dichloropropane	50.0	49.2		ug/Kg		98	78 - 122
Ethylbenzene	50.0	48.2		ug/Kg		96	76 - 120
Ethylene Dibromide	50.0	49.9		ug/Kg		100	80 - 120
2-Hexanone	100	96.5		ug/Kg		97	52 - 129
Isopropylbenzene	50.0	49.8		ug/Kg		100	76 - 124
Methylene Chloride	50.0	48.5		ug/Kg		97	64 - 126
4-Methyl-2-pentanone (MIBK)	100	97.3		ug/Kg		97	65 - 131
Methyl tert-butyl ether	50.0	50.0		ug/Kg		100	68 - 129
m-Xylene & p-Xylene	50.0	47.5		ug/Kg		95	78 - 120
o-Xylene	50.0	48.1		ug/Kg		96	77 - 120
Styrene	50.0	49.7		ug/Kg		99	80 - 120
1,1,2,2-Tetrachloroethane	50.0	50.1		ug/Kg		100	78 - 120
Tetrachloroethene	50.0	44.5		ug/Kg		89	68 - 122
Toluene	50.0	45.9		ug/Kg		92	74 - 120
trans-1,2-Dichloroethene	50.0	48.0		ug/Kg		96	74 - 124
trans-1,3-Dichloropropene	50.0	46.3		ug/Kg		93	55 - 121
1,2,4-Trichlorobenzene	50.0	43.0		ug/Kg		86	60 - 124

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

Lab Sample ID: LCS 240-283673/6
Matrix: Solid
Analysis Batch: 283673

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	50.0	48.9		ug/Kg		98	60 - 136
1,1,2-Trichloroethane	50.0	48.0		ug/Kg		96	80 - 120
Trichloroethene	50.0	45.8		ug/Kg		92	73 - 123
Trichlorofluoromethane	50.0	44.6		ug/Kg		89	28 - 152
Vinyl chloride	50.0	44.7		ug/Kg		89	49 - 131
Xylenes, Total	100	95.6		ug/Kg		96	78 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*86*		*61 - 132*
Dibromofluoromethane (Surr)	*82*		*43 - 131*
1,2-Dichloroethane-d4 (Surr)	*81*		*61 - 127*
Toluene-d8 (Surr)	*90*		*66 - 125*

Lab Sample ID: MB 240-283845/8
Matrix: Solid
Analysis Batch: 283845

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	3.1	ug/Kg			06/20/17 04:04	1
Benzene	ND		5.0	0.32	ug/Kg			06/20/17 04:04	1
Bromoform	ND		5.0	0.40	ug/Kg			06/20/17 04:04	1
Bromomethane	ND		5.0	0.59	ug/Kg			06/20/17 04:04	1
2-Butanone (MEK)	ND		20	1.3	ug/Kg			06/20/17 04:04	1
Carbon disulfide	ND		5.0	0.21	ug/Kg			06/20/17 04:04	1
Carbon tetrachloride	ND		5.0	0.25	ug/Kg			06/20/17 04:04	1
Chlorobenzene	ND		5.0	0.33	ug/Kg			06/20/17 04:04	1
Chlorodibromomethane	ND		5.0	0.30	ug/Kg			06/20/17 04:04	1
Chloroethane	ND		5.0	0.38	ug/Kg			06/20/17 04:04	1
Chloroform	ND		5.0	0.23	ug/Kg			06/20/17 04:04	1
Chloromethane	ND		5.0	0.38	ug/Kg			06/20/17 04:04	1
cis-1,2-Dichloroethene	ND		5.0	0.28	ug/Kg			06/20/17 04:04	1
cis-1,3-Dichloropropene	ND		5.0	0.26	ug/Kg			06/20/17 04:04	1
1,2-Dibromo-3-Chloropropane	ND		10	0.68	ug/Kg			06/20/17 04:04	1
1,2-Dichlorobenzene	ND		5.0	0.22	ug/Kg			06/20/17 04:04	1
1,3-Dichlorobenzene	ND		5.0	0.29	ug/Kg			06/20/17 04:04	1
1,4-Dichlorobenzene	ND		5.0	0.35	ug/Kg			06/20/17 04:04	1
Dichlorobromomethane	ND		5.0	0.33	ug/Kg			06/20/17 04:04	1
Dichlorodifluoromethane	ND		5.0	0.35	ug/Kg			06/20/17 04:04	1
1,1-Dichloroethane	ND		5.0	0.33	ug/Kg			06/20/17 04:04	1
1,2-Dichloroethane	ND		5.0	0.29	ug/Kg			06/20/17 04:04	1
1,1-Dichloroethene	ND		5.0	0.54	ug/Kg			06/20/17 04:04	1
1,2-Dichloropropane	ND		5.0	0.31	ug/Kg			06/20/17 04:04	1
Ethylbenzene	ND		5.0	0.27	ug/Kg			06/20/17 04:04	1
Ethylene Dibromide	ND		5.0	0.35	ug/Kg			06/20/17 04:04	1
2-Hexanone	ND		20	0.58	ug/Kg			06/20/17 04:04	1
Isopropylbenzene	ND		5.0	0.20	ug/Kg			06/20/17 04:04	1
Methylene Chloride	1.96	J	5.0	0.24	ug/Kg			06/20/17 04:04	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.89	ug/Kg			06/20/17 04:04	1

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

Lab Sample ID: MB 240-283845/8
Matrix: Solid
Analysis Batch: 283845

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		5.0	0.27	ug/Kg			06/20/17 04:04	1
Styrene	ND		5.0	0.27	ug/Kg			06/20/17 04:04	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/Kg			06/20/17 04:04	1
Tetrachloroethene	ND		5.0	0.37	ug/Kg			06/20/17 04:04	1
Toluene	ND		5.0	0.34	ug/Kg			06/20/17 04:04	1
trans-1,2-Dichloroethene	ND		5.0	0.38	ug/Kg			06/20/17 04:04	1
trans-1,3-Dichloropropene	ND		5.0	0.21	ug/Kg			06/20/17 04:04	1
1,2,4-Trichlorobenzene	ND		5.0	0.24	ug/Kg			06/20/17 04:04	1
1,1,1-Trichloroethane	ND		5.0	0.23	ug/Kg			06/20/17 04:04	1
1,1,2-Trichloroethane	ND		5.0	0.39	ug/Kg			06/20/17 04:04	1
Trichloroethene	ND		5.0	0.41	ug/Kg			06/20/17 04:04	1
Trichlorofluoromethane	ND		5.0	0.24	ug/Kg			06/20/17 04:04	1
Vinyl chloride	ND		5.0	0.28	ug/Kg			06/20/17 04:04	1
Xylenes, Total	ND		10	0.40	ug/Kg			06/20/17 04:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*80*		*61 - 132*		*06/20/17 04:04*	*1*
Dibromofluoromethane (Surr)	*77*		*43 - 131*		*06/20/17 04:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*75*		*61 - 127*		*06/20/17 04:04*	*1*
Toluene-d8 (Surr)	*94*		*66 - 125*		*06/20/17 04:04*	*1*

Lab Sample ID: LCS 240-283845/6
Matrix: Solid
Analysis Batch: 283845

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	100	59.3		ug/Kg		59	24 - 125
Benzene	50.0	48.5		ug/Kg		97	77 - 120
Bromoform	50.0	40.6		ug/Kg		81	40 - 140
Bromomethane	50.0	49.6		ug/Kg		99	10 - 153
2-Butanone (MEK)	100	75.8		ug/Kg		76	51 - 120
Carbon disulfide	50.0	52.6		ug/Kg		105	17 - 163
Carbon tetrachloride	50.0	38.9		ug/Kg		78	43 - 144
Chlorobenzene	50.0	45.0		ug/Kg		90	76 - 120
Chloroethane	50.0	50.4		ug/Kg		101	10 - 166
Chloroform	50.0	43.6		ug/Kg		87	74 - 120
Chloromethane	50.0	44.7		ug/Kg		89	41 - 124
cis-1,2-Dichloroethene	50.0	47.7		ug/Kg		95	78 - 120
cis-1,3-Dichloropropene	50.0	48.1		ug/Kg		96	66 - 126
1,2-Dibromo-3-Chloropropane	50.0	38.4		ug/Kg		77	40 - 133
1,2-Dichlorobenzene	50.0	43.6		ug/Kg		87	75 - 120
1,3-Dichlorobenzene	50.0	45.1		ug/Kg		90	72 - 120
1,4-Dichlorobenzene	50.0	43.2		ug/Kg		86	71 - 120
Dichlorobromomethane	50.0	45.0		ug/Kg		90	61 - 132
Dichlorodifluoromethane	50.0	33.0		ug/Kg		66	15 - 127
1,1-Dichloroethane	50.0	43.0		ug/Kg		86	72 - 120
1,2-Dichloroethane	50.0	38.2		ug/Kg		76	71 - 120
1,1-Dichloroethene	50.0	48.1		ug/Kg		96	58 - 130

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

Lab Sample ID: LCS 240-283845/6
Matrix: Solid
Analysis Batch: 283845

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloropropane	50.0	50.9		ug/Kg		102	78 - 122
Ethylbenzene	50.0	50.5		ug/Kg		101	76 - 120
Ethylene Dibromide	50.0	44.2		ug/Kg		88	80 - 120
2-Hexanone	100	83.5		ug/Kg		83	52 - 129
Isopropylbenzene	50.0	50.9		ug/Kg		102	76 - 124
Methylene Chloride	50.0	50.3		ug/Kg		101	64 - 126
4-Methyl-2-pentanone (MIBK)	100	91.5		ug/Kg		92	65 - 131
Methyl tert-butyl ether	50.0	47.7		ug/Kg		95	68 - 129
m-Xylene & p-Xylene	50.0	48.9		ug/Kg		98	78 - 120
o-Xylene	50.0	49.5		ug/Kg		99	77 - 120
Styrene	50.0	51.0		ug/Kg		102	80 - 120
1,1,2,2-Tetrachloroethane	50.0	49.5		ug/Kg		99	78 - 120
Tetrachloroethene	50.0	39.1		ug/Kg		78	68 - 122
Toluene	50.0	43.9		ug/Kg		88	74 - 120
trans-1,2-Dichloroethene	50.0	48.8		ug/Kg		98	74 - 124
trans-1,3-Dichloropropene	50.0	42.2		ug/Kg		84	55 - 121
1,2,4-Trichlorobenzene	50.0	40.7		ug/Kg		81	60 - 124
1,1,1-Trichloroethane	50.0	45.9		ug/Kg		92	60 - 136
1,1,2-Trichloroethane	50.0	44.5		ug/Kg		89	80 - 120
Trichloroethene	50.0	43.0		ug/Kg		86	73 - 123
Trichlorofluoromethane	50.0	57.3		ug/Kg		115	28 - 152
Vinyl chloride	50.0	52.4		ug/Kg		105	49 - 131
Xylenes, Total	100	98.4		ug/Kg		98	78 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*83*		*61 - 132*
Dibromofluoromethane (Surr)	*78*		*43 - 131*
1,2-Dichloroethane-d4 (Surr)	*72*		*61 - 127*
Toluene-d8 (Surr)	*85*		*66 - 125*

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

Lab Sample ID: MB 240-282390/18-A
Matrix: Solid
Analysis Batch: 282825

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 282390

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		6.7	0.76	ug/Kg		06/09/17 09:43	06/13/17 09:45	1
Acenaphthylene	ND		6.7	0.35	ug/Kg		06/09/17 09:43	06/13/17 09:45	1
Acetophenone	ND		100	9.2	ug/Kg		06/09/17 09:43	06/13/17 09:45	1
Anthracene	ND		6.7	0.78	ug/Kg		06/09/17 09:43	06/13/17 09:45	1
Benzo[a]anthracene	ND		6.7	0.63	ug/Kg		06/09/17 09:43	06/13/17 09:45	1
Benzo[a]pyrene	ND		6.7	0.64	ug/Kg		06/09/17 09:43	06/13/17 09:45	1
Benzo[b]fluoranthene	ND		6.7	0.59	ug/Kg		06/09/17 09:43	06/13/17 09:45	1
Benzo[g,h,i]perylene	ND		6.7	0.35	ug/Kg		06/09/17 09:43	06/13/17 09:45	1
Benzo[k]fluoranthene	ND		6.7	0.68	ug/Kg		06/09/17 09:43	06/13/17 09:45	1
Bis(2-chloroethoxy)methane	ND		100	22	ug/Kg		06/09/17 09:43	06/13/17 09:45	1
Bis(2-chloroethyl)ether	ND		100	2.0	ug/Kg		06/09/17 09:43	06/13/17 09:45	1

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

Lab Sample ID: MB 240-282390/18-A
Matrix: Solid
Analysis Batch: 282825

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 282390

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
bis (2-chloroisopropyl) ether	ND		100	9.5	ug/Kg		06/09/17 09:43	06/13/17 09:45	1
Bis(2-ethylhexyl) phthalate	ND		70	19	ug/Kg		06/09/17 09:43	06/13/17 09:45	1
4-Bromophenyl phenyl ether	ND		50	13	ug/Kg		06/09/17 09:43	06/13/17 09:45	1
Butyl benzyl phthalate	ND		70	10	ug/Kg		06/09/17 09:43	06/13/17 09:45	1
4-Chloroaniline	ND		150	17	ug/Kg		06/09/17 09:43	06/13/17 09:45	1
4-Chloro-3-methylphenol	ND		150	21	ug/Kg		06/09/17 09:43	06/13/17 09:45	1
2-Chloronaphthalene	ND		50	0.45	ug/Kg		06/09/17 09:43	06/13/17 09:45	1
2-Chlorophenol	ND		50	8.2	ug/Kg		06/09/17 09:43	06/13/17 09:45	1
4-Chlorophenyl phenyl ether	ND		50	13	ug/Kg		06/09/17 09:43	06/13/17 09:45	1
Chrysene	ND		6.7	1.1	ug/Kg		06/09/17 09:43	06/13/17 09:45	1
Dibenz(a,h)anthracene	ND		6.7	0.66	ug/Kg		06/09/17 09:43	06/13/17 09:45	1
Dibenzofuran	ND		50	0.66	ug/Kg		06/09/17 09:43	06/13/17 09:45	1
3,3'-Dichlorobenzidine	ND		100	18	ug/Kg		06/09/17 09:43	06/13/17 09:45	1
2,4-Dichlorophenol	ND		150	20	ug/Kg		06/09/17 09:43	06/13/17 09:45	1
Diethyl phthalate	ND		70	16	ug/Kg		06/09/17 09:43	06/13/17 09:45	1
2,4-Dimethylphenol	ND		150	20	ug/Kg		06/09/17 09:43	06/13/17 09:45	1
Dimethyl phthalate	ND		70	17	ug/Kg		06/09/17 09:43	06/13/17 09:45	1
Di-n-butyl phthalate	ND		70	15	ug/Kg		06/09/17 09:43	06/13/17 09:45	1
4,6-Dinitro-2-methylphenol	ND		150	9.2	ug/Kg		06/09/17 09:43	06/13/17 09:45	1
2,4-Dinitrophenol	ND		330	21	ug/Kg		06/09/17 09:43	06/13/17 09:45	1
2,4-Dinitrotoluene	ND		200	17	ug/Kg		06/09/17 09:43	06/13/17 09:45	1
2,6-Dinitrotoluene	ND		200	21	ug/Kg		06/09/17 09:43	06/13/17 09:45	1
Di-n-octyl phthalate	ND		70	7.9	ug/Kg		06/09/17 09:43	06/13/17 09:45	1
Fluoranthene	ND		6.7	0.55	ug/Kg		06/09/17 09:43	06/13/17 09:45	1
Fluorene	ND		6.7	0.53	ug/Kg		06/09/17 09:43	06/13/17 09:45	1
Hexachlorobenzene	ND		6.7	2.1	ug/Kg		06/09/17 09:43	06/13/17 09:45	1
Hexachlorobutadiene	ND		50	5.6	ug/Kg		06/09/17 09:43	06/13/17 09:45	1
Hexachlorocyclopentadiene	ND		330	8.1	ug/Kg		06/09/17 09:43	06/13/17 09:45	1
Hexachloroethane	ND		50	9.0	ug/Kg		06/09/17 09:43	06/13/17 09:45	1
Indeno[1,2,3-cd]pyrene	ND		6.7	0.35	ug/Kg		06/09/17 09:43	06/13/17 09:45	1
Isophorone	ND		50	13	ug/Kg		06/09/17 09:43	06/13/17 09:45	1
2-Methylnaphthalene	ND		6.7	0.50	ug/Kg		06/09/17 09:43	06/13/17 09:45	1
2-Methylphenol	ND		200	11	ug/Kg		06/09/17 09:43	06/13/17 09:45	1
3 & 4 Methylphenol	ND		400	20	ug/Kg		06/09/17 09:43	06/13/17 09:45	1
Naphthalene	ND		6.7	0.82	ug/Kg		06/09/17 09:43	06/13/17 09:45	1
2-Nitroaniline	ND		200	9.1	ug/Kg		06/09/17 09:43	06/13/17 09:45	1
3-Nitroaniline	ND		200	16	ug/Kg		06/09/17 09:43	06/13/17 09:45	1
4-Nitroaniline	ND		200	26	ug/Kg		06/09/17 09:43	06/13/17 09:45	1
Nitrobenzene	ND		100	2.2	ug/Kg		06/09/17 09:43	06/13/17 09:45	1
2-Nitrophenol	ND		50	8.3	ug/Kg		06/09/17 09:43	06/13/17 09:45	1
4-Nitrophenol	ND		330	17	ug/Kg		06/09/17 09:43	06/13/17 09:45	1
N-Nitrosodi-n-propylamine	ND		50	6.3	ug/Kg		06/09/17 09:43	06/13/17 09:45	1
N-Nitrosodiphenylamine	ND		50	21	ug/Kg		06/09/17 09:43	06/13/17 09:45	1
Pentachlorophenol	ND		150	9.1	ug/Kg		06/09/17 09:43	06/13/17 09:45	1
Phenanthrene	ND		6.7	0.73	ug/Kg		06/09/17 09:43	06/13/17 09:45	1
Phenol	ND		50	7.3	ug/Kg		06/09/17 09:43	06/13/17 09:45	1
Pyrene	ND		6.7	0.44	ug/Kg		06/09/17 09:43	06/13/17 09:45	1
2,4,5-Trichlorophenol	ND		150	25	ug/Kg		06/09/17 09:43	06/13/17 09:45	1

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

Lab Sample ID: MB 240-282390/18-A
Matrix: Solid
Analysis Batch: 282825

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 282390

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	ND		150	8.9	ug/Kg		06/09/17 09:43	06/13/17 09:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*60*		*32 - 120*	*06/09/17 09:43*	*06/13/17 09:45*	*1*
2-Fluorophenol (Surr)	*50*		*29 - 120*	*06/09/17 09:43*	*06/13/17 09:45*	*1*
Nitrobenzene-d5 (Surr)	*55*		*30 - 120*	*06/09/17 09:43*	*06/13/17 09:45*	*1*
Phenol-d5 (Surr)	*59*		*29 - 120*	*06/09/17 09:43*	*06/13/17 09:45*	*1*
Terphenyl-d14 (Surr)	*70*		*41 - 120*	*06/09/17 09:43*	*06/13/17 09:45*	*1*
2,4,6-Tribromophenol (Surr)	*18*		*10 - 120*	*06/09/17 09:43*	*06/13/17 09:45*	*1*

Lab Sample ID: LCS 240-282390/19-A
Matrix: Solid
Analysis Batch: 282825

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 282390

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	667	495		ug/Kg		74	48 - 120
Acenaphthylene	667	446		ug/Kg		67	46 - 120
Acetophenone	667	471		ug/Kg		71	46 - 120
Anthracene	667	517		ug/Kg		78	51 - 120
Benzo[a]anthracene	667	470		ug/Kg		71	53 - 120
Benzo[a]pyrene	667	488		ug/Kg		73	50 - 120
Benzo[b]fluoranthene	667	512		ug/Kg		77	48 - 120
Benzo[g,h,i]perylene	667	487		ug/Kg		73	50 - 120
Benzo[k]fluoranthene	667	512		ug/Kg		77	51 - 120
Bis(2-chloroethoxy)methane	667	483		ug/Kg		72	50 - 120
Bis(2-chloroethyl)ether	667	493		ug/Kg		74	48 - 120
bis (2-chloroisopropyl) ether	667	445		ug/Kg		67	37 - 120
Bis(2-ethylhexyl) phthalate	667	490		ug/Kg		74	52 - 120
4-Bromophenyl phenyl ether	667	461		ug/Kg		69	51 - 120
Butyl benzyl phthalate	667	473		ug/Kg		71	53 - 120
4-Chloroaniline	667	418		ug/Kg		63	37 - 120
4-Chloro-3-methylphenol	667	454		ug/Kg		68	47 - 120
2-Chloronaphthalene	667	473		ug/Kg		71	49 - 120
2-Chlorophenol	667	456		ug/Kg		68	50 - 120
4-Chlorophenyl phenyl ether	667	439		ug/Kg		66	49 - 120
Chrysene	667	474		ug/Kg		71	54 - 120
Dibenz(a,h)anthracene	667	510		ug/Kg		76	48 - 120
Dibenzofuran	667	479		ug/Kg		72	49 - 120
3,3'-Dichlorobenzidine	1330	881		ug/Kg		66	40 - 120
2,4-Dichlorophenol	667	469		ug/Kg		70	48 - 120
Diethyl phthalate	667	493		ug/Kg		74	52 - 120
2,4-Dimethylphenol	667	450		ug/Kg		68	37 - 120
Dimethyl phthalate	667	440		ug/Kg		66	53 - 120
Di-n-butyl phthalate	667	580		ug/Kg		87	56 - 120
4,6-Dinitro-2-methylphenol	1330	609		ug/Kg		46	18 - 120
2,4-Dinitrophenol	1330	342		ug/Kg		26	10 - 120
2,4-Dinitrotoluene	667	506		ug/Kg		76	53 - 120
2,6-Dinitrotoluene	667	454		ug/Kg		68	54 - 120

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

Lab Sample ID: LCS 240-282390/19-A
Matrix: Solid
Analysis Batch: 282825

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 282390

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Di-n-octyl phthalate	667	446		ug/Kg		67	42 - 120
Fluoranthene	667	536		ug/Kg		80	53 - 120
Fluorene	667	502		ug/Kg		75	50 - 120
Hexachlorobenzene	667	463		ug/Kg		69	46 - 120
Hexachlorobutadiene	667	478		ug/Kg		72	44 - 120
Hexachlorocyclopentadiene	667	314	J	ug/Kg		47	14 - 120
Hexachloroethane	667	430		ug/Kg		65	45 - 120
Indeno[1,2,3-cd]pyrene	667	509		ug/Kg		76	49 - 120
Isophorone	667	473		ug/Kg		71	47 - 120
2-Methylnaphthalene	667	479		ug/Kg		72	49 - 120
2-Methylphenol	667	458		ug/Kg		69	49 - 120
3 & 4 Methylphenol	667	471		ug/Kg		71	50 - 120
Naphthalene	667	466		ug/Kg		70	48 - 120
2-Nitroaniline	667	483		ug/Kg		72	46 - 120
3-Nitroaniline	667	431		ug/Kg		65	48 - 120
4-Nitroaniline	667	525		ug/Kg		79	49 - 120
Nitrobenzene	667	470		ug/Kg		71	48 - 120
2-Nitrophenol	667	470		ug/Kg		70	46 - 120
4-Nitrophenol	1330	908		ug/Kg		68	42 - 120
N-Nitrosodi-n-propylamine	667	461		ug/Kg		69	49 - 120
N-Nitrosodiphenylamine	667	632		ug/Kg		95	53 - 120
Pentachlorophenol	1330	416		ug/Kg		31	14 - 120
Phenanthrene	667	578		ug/Kg		87	52 - 120
Phenol	667	468		ug/Kg		70	49 - 120
Pyrene	667	521		ug/Kg		78	55 - 120
2,4,5-Trichlorophenol	667	386		ug/Kg		58	34 - 120
2,4,6-Trichlorophenol	667	355		ug/Kg		53	19 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*86*		*32 - 120*
2-Fluorophenol (Surr)	*86*		*29 - 120*
Nitrobenzene-d5 (Surr)	*86*		*30 - 120*
Phenol-d5 (Surr)	*88*		*29 - 120*
Terphenyl-d14 (Surr)	*94*		*41 - 120*
2,4,6-Tribromophenol (Surr)	*57*		*10 - 120*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 240-282153/10-A
Matrix: Solid
Analysis Batch: 282792

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 282153

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C20	ND		50	15	mg/Kg		06/08/17 08:35	06/13/17 16:57	1
C20-C34	ND		50	15	mg/Kg		06/08/17 08:35	06/13/17 16:57	1

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 240-282153/10-A
Matrix: Solid
Analysis Batch: 282792

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 282153

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	83		40 - 160	06/08/17 08:35	06/13/17 16:57	1

Lab Sample ID: LCS 240-282153/11-A
Matrix: Solid
Analysis Batch: 282792

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 282153

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics [C10 - C28]			250	173		mg/Kg		69	52 - 120		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphenyl (Surr)	68		40 - 160

Method: 8081A - Organochlorine Pesticides (GC)

Lab Sample ID: MB 240-282191/5-A
Matrix: Solid
Analysis Batch: 283108

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 282191

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		5.1	2.4	ug/Kg		06/08/17 10:50	06/14/17 17:58	1
alpha-BHC	ND		5.1	1.6	ug/Kg		06/08/17 10:50	06/14/17 17:58	1
alpha-Chlordane	ND		5.1	3.8	ug/Kg		06/08/17 10:50	06/14/17 17:58	1
beta-BHC	ND		5.1	3.9	ug/Kg		06/08/17 10:50	06/14/17 17:58	1
4,4'-DDD	ND		5.1	3.3	ug/Kg		06/08/17 10:50	06/14/17 17:58	1
4,4'-DDE	ND		5.1	1.2	ug/Kg		06/08/17 10:50	06/14/17 17:58	1
4,4'-DDT	ND		5.1	1.4	ug/Kg		06/08/17 10:50	06/14/17 17:58	1
delta-BHC	ND		5.1	1.3	ug/Kg		06/08/17 10:50	06/14/17 17:58	1
Dieldrin	ND		5.1	0.90	ug/Kg		06/08/17 10:50	06/14/17 17:58	1
Endosulfan I	ND		5.1	1.3	ug/Kg		06/08/17 10:50	06/14/17 17:58	1
Endosulfan II	ND		5.1	1.8	ug/Kg		06/08/17 10:50	06/14/17 17:58	1
Endosulfan sulfate	ND		5.1	1.2	ug/Kg		06/08/17 10:50	06/14/17 17:58	1
Endrin	ND		5.1	1.4	ug/Kg		06/08/17 10:50	06/14/17 17:58	1
Endrin aldehyde	ND		5.1	1.8	ug/Kg		06/08/17 10:50	06/14/17 17:58	1
Endrin ketone	ND		5.1	1.1	ug/Kg		06/08/17 10:50	06/14/17 17:58	1
gamma-BHC (Lindane)	ND		5.1	2.9	ug/Kg		06/08/17 10:50	06/14/17 17:58	1
gamma-Chlordane	ND		5.1	1.5	ug/Kg		06/08/17 10:50	06/14/17 17:58	1
Heptachlor	ND		5.1	0.78	ug/Kg		06/08/17 10:50	06/14/17 17:58	1
Heptachlor epoxide	ND		5.1	2.4	ug/Kg		06/08/17 10:50	06/14/17 17:58	1
Methoxychlor	ND		9.9	1.2	ug/Kg		06/08/17 10:50	06/14/17 17:58	1
Toxaphene	ND		100	37	ug/Kg		06/08/17 10:50	06/14/17 17:58	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	79		13 - 135	06/08/17 10:50	06/14/17 17:58	1
DCB Decachlorobiphenyl	71		13 - 135	06/08/17 10:50	06/14/17 17:58	1
Tetrachloro-m-xylene	67		30 - 120	06/08/17 10:50	06/14/17 17:58	1
Tetrachloro-m-xylene	58		30 - 120	06/08/17 10:50	06/14/17 17:58	1

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

Lab Sample ID: LCS 240-282191/6-A
Matrix: Solid
Analysis Batch: 283475

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 282191

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	100	89.1		ug/Kg		89	36 - 120
alpha-BHC	100	95.0		ug/Kg		95	48 - 120
alpha-Chlordane	100	86.2		ug/Kg		86	44 - 120
beta-BHC	100	83.5		ug/Kg		83	45 - 120
4,4'-DDD	100	88.3		ug/Kg		88	48 - 120
4,4'-DDE	100	88.1		ug/Kg		88	46 - 120
4,4'-DDT	100	85.7		ug/Kg		86	48 - 120
delta-BHC	100	90.2		ug/Kg		90	33 - 120
Dieldrin	100	89.3		ug/Kg		89	47 - 120
Endosulfan I	100	65.7		ug/Kg		66	28 - 120
Endosulfan II	100	70.8		ug/Kg		71	39 - 120
Endosulfan sulfate	100	107		ug/Kg		107	46 - 120
Endrin	100	86.7		ug/Kg		87	28 - 136
Endrin aldehyde	100	87.1		ug/Kg		87	38 - 120
Endrin ketone	100	88.3		ug/Kg		88	44 - 120
gamma-BHC (Lindane)	100	68.7		ug/Kg		69	39 - 120
gamma-Chlordane	100	82.0		ug/Kg		82	46 - 120
Heptachlor	100	88.1		ug/Kg		88	48 - 120
Heptachlor epoxide	100	87.5		ug/Kg		88	51 - 120
Methoxychlor	100	80.2	p	ug/Kg		80	38 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*77*		*13 - 135*
DCB Decachlorobiphenyl	*74*		*13 - 135*
Tetrachloro-m-xylene	*83*		*30 - 120*
Tetrachloro-m-xylene	*77*		*30 - 120*

Lab Sample ID: 240-80547-7 MS
Matrix: Solid
Analysis Batch: 283108

Client Sample ID: SITE SS13 GRID D80
Prep Type: Total/NA
Prep Batch: 282191

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
delta-BHC	ND	F1	424	570	J F1	ug/Kg	☼	134	20 - 120
Endosulfan sulfate	ND	F1	424	510	J	ug/Kg	☼	120	27 - 120
Endrin aldehyde	ND	F1	424	562	J F1	ug/Kg	☼	132	18 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*223*	*X*	*13 - 135*
DCB Decachlorobiphenyl	*78*	*p*	*13 - 135*
Tetrachloro-m-xylene	*90*	*p*	*30 - 120*
Tetrachloro-m-xylene	*162*	*X*	*30 - 120*

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

Lab Sample ID: 240-80547-7 MS
Matrix: Solid
Analysis Batch: 283281

Client Sample ID: SITE SS13 GRID D80
Prep Type: Total/NA
Prep Batch: 282191

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	ND		424	372		ug/Kg	☼	88	15 - 120
alpha-BHC	ND	F1 F2	424	65.4	F1	ug/Kg	☼	15	30 - 120
alpha-Chlordane	ND		424	327		ug/Kg	☼	77	28 - 120
beta-BHC	ND		424	283		ug/Kg	☼	67	20 - 120
4,4'-DDD	ND	F1 F2	424	48.3	p F1	ug/Kg	☼	11	27 - 120
4,4'-DDE	ND	F1	424	698	F1	ug/Kg	☼	164	25 - 120
4,4'-DDT	ND		424	115	p	ug/Kg	☼	27	19 - 125
Dieldrin	ND		424	379		ug/Kg	☼	89	29 - 120
Endosulfan I	ND		424	302		ug/Kg	☼	71	10 - 120
Endosulfan II	ND	F2	424	176	p	ug/Kg	☼	42	21 - 120
Endrin	ND	F1	424	539		ug/Kg	☼	127	26 - 129
Endrin ketone	ND		424	122		ug/Kg	☼	29	28 - 120
gamma-BHC (Lindane)	ND	F1 F2	424	25.5	p F1	ug/Kg	☼	6	27 - 120
gamma-Chlordane	ND		424	366		ug/Kg	☼	86	29 - 120
Heptachlor	ND		424	255		ug/Kg	☼	60	35 - 120
Heptachlor epoxide	ND	F1	424	395		ug/Kg	☼	93	32 - 120
Methoxychlor	ND	F1 F2	424	60.1	p F1	ug/Kg	☼	14	26 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*109*		*13 - 135*
DCB Decachlorobiphenyl	*146*	*X*	*13 - 135*
Tetrachloro-m-xylene	*270*	*X*	*30 - 120*
Tetrachloro-m-xylene	*81*	*p*	*30 - 120*

Lab Sample ID: 240-80547-7 MSD
Matrix: Solid
Analysis Batch: 283108

Client Sample ID: SITE SS13 GRID D80
Prep Type: Total/NA
Prep Batch: 282191

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
delta-BHC	ND	F1	428	588	J F1	ug/Kg	☼	137	20 - 120	3	40
Endosulfan sulfate	ND	F1	428	581	J F1	ug/Kg	☼	136	27 - 120	13	40
Endrin aldehyde	ND	F1	428	573	J F1	ug/Kg	☼	134	18 - 120	22	40

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*180*	*X*	*13 - 135*
DCB Decachlorobiphenyl	*93*	*p*	*13 - 135*
Tetrachloro-m-xylene	*140*	*X*	*30 - 120*
Tetrachloro-m-xylene	*200*	*X*	*30 - 120*

Lab Sample ID: 240-80547-7 MSD
Matrix: Solid
Analysis Batch: 283281

Client Sample ID: SITE SS13 GRID D80
Prep Type: Total/NA
Prep Batch: 282191

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aldrin	ND		428	481		ug/Kg	☼	112	15 - 120	26	40
alpha-BHC	ND	F1 F2	428	187	F2	ug/Kg	☼	44	30 - 120	96	40
alpha-Chlordane	ND		428	442		ug/Kg	☼	103	28 - 120	30	40

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

Lab Sample ID: 240-80547-7 MSD
Matrix: Solid
Analysis Batch: 283281

Client Sample ID: SITE SS13 GRID D80
Prep Type: Total/NA
Prep Batch: 282191

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
beta-BHC	ND		428	383		ug/Kg	☼	90	20 - 120	30	40
4,4'-DDD	ND	F1 F2	428	240	F2	ug/Kg	☼	56	27 - 120	133	40
4,4'-DDE	ND	F1	428	727	F1	ug/Kg	☼	170	25 - 120	4	40
4,4'-DDT	ND		428	145	p	ug/Kg	☼	34	19 - 125	24	40
Dieldrin	ND		428	468		ug/Kg	☼	109	29 - 120	21	40
Endosulfan I	ND		428	381		ug/Kg	☼	89	10 - 120	23	40
Endosulfan II	ND	F2	428	298	p F2	ug/Kg	☼	70	21 - 120	51	40
Endrin	ND	F1	428	598	F1	ug/Kg	☼	140	26 - 129	10	40
Endrin ketone	ND		428	152		ug/Kg	☼	35	28 - 120	22	40
gamma-BHC (Lindane)	ND	F1 F2	428	78.3	p F1 F2	ug/Kg	☼	18	27 - 120	102	40
gamma-Chlordane	ND		428	487		ug/Kg	☼	114	29 - 120	28	40
Heptachlor	ND		428	307		ug/Kg	☼	72	35 - 120	19	40
Heptachlor epoxide	ND	F1	428	571	F1	ug/Kg	☼	133	32 - 120	36	40
Methoxychlor	ND	F1 F2	428	93.3	F1 F2	ug/Kg	☼	22	26 - 120	43	40

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*133*		*13 - 135*
DCB Decachlorobiphenyl	*174*	*X*	*13 - 135*
Tetrachloro-m-xylene	*190*	*X*	*30 - 120*
Tetrachloro-m-xylene	*106*	*p*	*30 - 120*

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

Lab Sample ID: MB 240-282187/13-A
Matrix: Solid
Analysis Batch: 282505

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 282187

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50	24	ug/Kg		06/08/17 10:31	06/10/17 18:48	1
Aroclor-1221	ND		50	23	ug/Kg		06/08/17 10:31	06/10/17 18:48	1
Aroclor-1232	ND		50	16	ug/Kg		06/08/17 10:31	06/10/17 18:48	1
Aroclor-1242	ND		50	20	ug/Kg		06/08/17 10:31	06/10/17 18:48	1
Aroclor-1248	ND		50	17	ug/Kg		06/08/17 10:31	06/10/17 18:48	1
Aroclor-1254	ND		50	14	ug/Kg		06/08/17 10:31	06/10/17 18:48	1
Aroclor-1260	ND		50	18	ug/Kg		06/08/17 10:31	06/10/17 18:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*91*		*14 - 128*	*06/08/17 10:31*	*06/10/17 18:48*	*1*
DCB Decachlorobiphenyl	*87*		*10 - 132*	*06/08/17 10:31*	*06/10/17 18:48*	*1*

Lab Sample ID: LCS 240-282187/14-A
Matrix: Solid
Analysis Batch: 282505

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 282187

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor-1016	1000	767		ug/Kg		77	47 - 120
Aroclor-1260	1000	811		ug/Kg		81	46 - 120

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

Lab Sample ID: LCS 240-282187/14-A
Matrix: Solid
Analysis Batch: 282505

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 282187

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*81*		*14 - 128*
DCB Decachlorobiphenyl	*87*		*10 - 132*

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 240-282372/16-A
Matrix: Solid
Analysis Batch: 282837

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 282372

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	ND		240	30	ug/Kg		06/09/17 08:29	06/13/17 16:05	1
Silvex (2,4,5-TP)	ND		60	6.0	ug/Kg		06/09/17 08:29	06/13/17 16:05	1
2,4,5-T	ND		60	7.0	ug/Kg		06/09/17 08:29	06/13/17 16:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*37*		*19 - 120*	*06/09/17 08:29*	*06/13/17 16:05*	*1*
2,4-Dichlorophenylacetic acid	*36*		*19 - 120*	*06/09/17 08:29*	*06/13/17 16:05*	*1*

Lab Sample ID: LCS 240-282372/17-A
Matrix: Solid
Analysis Batch: 282837

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 282372

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-D	1000	894		ug/Kg		89	55 - 120
Silvex (2,4,5-TP)	250	223		ug/Kg		89	57 - 120
2,4,5-T	250	225		ug/Kg		90	51 - 134

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*46*		*19 - 120*
2,4-Dichlorophenylacetic acid	*47*		*19 - 120*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 240-283335/1-A
Matrix: Solid
Analysis Batch: 283476

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 283335

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		20	5.8	mg/Kg		06/15/17 13:48	06/16/17 14:17	1
Calcium	ND		500	23	mg/Kg		06/15/17 13:48	06/16/17 14:17	1
Iron	ND		10	3.2	mg/Kg		06/15/17 13:48	06/16/17 14:17	1
Magnesium	7.74	J	500	5.2	mg/Kg		06/15/17 13:48	06/16/17 14:17	1
Potassium	6.29	J	500	6.2	mg/Kg		06/15/17 13:48	06/16/17 14:17	1
Selenium	ND		0.50	0.34	mg/Kg		06/15/17 13:48	06/16/17 14:17	1
Sodium	ND		500	19	mg/Kg		06/15/17 13:48	06/16/17 14:17	1

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

Lab Sample ID: LCS 240-283335/2-A
Matrix: Solid
Analysis Batch: 283476

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 283335

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	200	197		mg/Kg		99	80 - 120
Calcium	5000	4950		mg/Kg		99	80 - 120
Iron	100	109		mg/Kg		109	80 - 120
Magnesium	5000	4920		mg/Kg		98	80 - 120
Potassium	5000	4910		mg/Kg		98	80 - 120
Selenium	200	200		mg/Kg		100	80 - 120
Sodium	5000	4930		mg/Kg		99	80 - 120

Lab Sample ID: 240-80547-6 MS
Matrix: Solid
Analysis Batch: 283476

Client Sample ID: SITE SS12 GRID D6
Prep Type: Total/NA
Prep Batch: 283335

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	3500		363	6050	4	mg/Kg	☼	707	75 - 125
Calcium	84000		9080	82400	4	mg/Kg	☼	-17	75 - 125
Iron	29000		182	28800	4	mg/Kg	☼	93	75 - 125
Magnesium	2900	B	9080	10900		mg/Kg	☼	88	75 - 125
Potassium	400	J B	9080	9400		mg/Kg	☼	99	75 - 125
Selenium	1.3		363	341		mg/Kg	☼	94	75 - 125
Sodium	210	J	9080	8940		mg/Kg	☼	96	75 - 125

Lab Sample ID: 240-80547-6 MSD
Matrix: Solid
Analysis Batch: 283476

Client Sample ID: SITE SS12 GRID D6
Prep Type: Total/NA
Prep Batch: 283335

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	3500		363	5730	4	mg/Kg	☼	620	75 - 125	5	20
Calcium	84000		9080	87100	4	mg/Kg	☼	35	75 - 125	6	20
Iron	29000		182	29400	4	mg/Kg	☼	417	75 - 125	2	20
Magnesium	2900	B	9080	10600		mg/Kg	☼	85	75 - 125	3	20
Potassium	400	J B	9080	9370		mg/Kg	☼	99	75 - 125	0	20
Selenium	1.3		363	334		mg/Kg	☼	92	75 - 125	2	20
Sodium	210	J	9080	8860		mg/Kg	☼	95	75 - 125	1	20

Lab Sample ID: MB 240-282176/1-A
Matrix: Water
Analysis Batch: 282482

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 282176

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		200	40	ug/L		06/08/17 14:00	06/09/17 17:29	1
Arsenic	ND		10	3.3	ug/L		06/08/17 14:00	06/09/17 17:29	1
Barium	ND		200	2.4	ug/L		06/08/17 14:00	06/09/17 17:29	1
Cadmium	ND		2.0	0.29	ug/L		06/08/17 14:00	06/09/17 17:29	1
Calcium	ND		5000	710	ug/L		06/08/17 14:00	06/09/17 17:29	1
Chromium	ND		5.0	0.55	ug/L		06/08/17 14:00	06/09/17 17:29	1
Copper	ND		25	3.9	ug/L		06/08/17 14:00	06/09/17 17:29	1
Iron	ND		100	25	ug/L		06/08/17 14:00	06/09/17 17:29	1
Lead	ND		5.0	1.9	ug/L		06/08/17 14:00	06/09/17 17:29	1
Magnesium	ND		5000	230	ug/L		06/08/17 14:00	06/09/17 17:29	1

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

Lab Sample ID: MB 240-282176/1-A
Matrix: Water
Analysis Batch: 282482

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 282176

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	ND		15	5.1	ug/L		06/08/17 14:00	06/09/17 17:29	1
Nickel	ND		40	1.6	ug/L		06/08/17 14:00	06/09/17 17:29	1
Potassium	111	J	5000	70	ug/L		06/08/17 14:00	06/09/17 17:29	1
Selenium	ND		15	5.1	ug/L		06/08/17 14:00	06/09/17 17:29	1
Sodium	443	J	5000	330	ug/L		06/08/17 14:00	06/09/17 17:29	1
Strontium	ND		50	9.0	ug/L		06/08/17 14:00	06/09/17 17:29	1
Zinc	ND		50	16	ug/L		06/08/17 14:00	06/09/17 17:29	1

Lab Sample ID: LCS 240-282176/2-A
Matrix: Water
Analysis Batch: 282482

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 282176

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	2000	1980		ug/L		99	80 - 120
Arsenic	2000	2140		ug/L		107	80 - 120
Barium	2000	1940		ug/L		97	80 - 120
Cadmium	50.0	51.4		ug/L		103	80 - 120
Calcium	50000	49500		ug/L		99	80 - 120
Chromium	200	195		ug/L		97	80 - 120
Copper	250	256		ug/L		102	80 - 120
Iron	1000	998		ug/L		100	80 - 120
Lead	500	493		ug/L		99	80 - 120
Magnesium	50000	49100		ug/L		98	80 - 120
Manganese	500	493		ug/L		99	80 - 120
Nickel	500	504		ug/L		101	80 - 120
Potassium	50000	49300		ug/L		99	80 - 120
Selenium	2000	2150		ug/L		108	80 - 120
Sodium	50000	49400		ug/L		99	80 - 120
Strontium	1000	970		ug/L		97	80 - 120
Zinc	500	503		ug/L		101	80 - 120

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 180-214340/2-A
Matrix: Sediment
Analysis Batch: 214890

Client Sample ID: Method Blank
Prep Type: SEM/AVS
Prep Batch: 214340

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium SEM	ND		0.025	0.0013	mg/Kg		06/15/17 11:48	06/20/17 22:56	1
Copper SEM	0.0187	J	0.13	0.017	mg/Kg		06/15/17 11:48	06/20/17 22:56	1
Lead SEM	ND		0.050	0.015	mg/Kg		06/15/17 11:48	06/20/17 22:56	1
Nickel SEM	ND		0.20	0.016	mg/Kg		06/15/17 11:48	06/20/17 22:56	1
Zinc SEM	0.143	J	0.50	0.034	mg/Kg		06/15/17 11:48	06/20/17 22:56	1

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

Lab Sample ID: LCS 180-214340/1-A
Matrix: Sediment
Analysis Batch: 214890

Client Sample ID: Lab Control Sample
Prep Type: SEM/AVS
Prep Batch: 214340

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium SEM	0.250	0.247		mg/Kg		99	80 - 120
Copper SEM	1.25	1.18		mg/Kg		94	80 - 120
Lead SEM	2.50	2.39		mg/Kg		96	80 - 120
Nickel SEM	2.50	2.39		mg/Kg		96	80 - 120
Zinc SEM	2.50	2.58		mg/Kg		103	80 - 120

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 240-283335/1-A ^2
Matrix: Solid
Analysis Batch: 283709

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 283335

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.0	0.026	mg/Kg		06/15/17 13:48	06/16/17 22:47	2
Barium	ND		1.0	0.22	mg/Kg		06/15/17 13:48	06/16/17 22:47	2
Cadmium	ND		0.20	0.0037	mg/Kg		06/15/17 13:48	06/16/17 22:47	2
Chromium	0.0884	J	0.40	0.060	mg/Kg		06/15/17 13:48	06/16/17 22:47	2
Copper	0.243	J	0.40	0.097	mg/Kg		06/15/17 13:48	06/16/17 22:47	2
Lead	ND		0.20	0.045	mg/Kg		06/15/17 13:48	06/16/17 22:47	2
Manganese	0.430	J	1.0	0.12	mg/Kg		06/15/17 13:48	06/16/17 22:47	2
Nickel	ND		0.40	0.039	mg/Kg		06/15/17 13:48	06/16/17 22:47	2
Strontium	0.150	J	2.0	0.025	mg/Kg		06/15/17 13:48	06/16/17 22:47	2
Zinc	ND		4.0	0.50	mg/Kg		06/15/17 13:48	06/16/17 22:47	2

Lab Sample ID: LCS 240-283335/3-A ^2
Matrix: Solid
Analysis Batch: 283709

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 283335

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	100	81.8		mg/Kg		82	80 - 120
Barium	100	102		mg/Kg		102	80 - 120
Cadmium	100	98.8		mg/Kg		99	80 - 120
Chromium	100	99.4		mg/Kg		99	80 - 120
Copper	100	86.9		mg/Kg		87	80 - 120
Lead	100	105		mg/Kg		105	80 - 120
Manganese	100	106		mg/Kg		106	80 - 120
Nickel	100	105		mg/Kg		105	80 - 120
Strontium	100	92.3		mg/Kg		92	80 - 120
Zinc	100	85.1		mg/Kg		85	80 - 120

Lab Sample ID: 240-80547-6 MS
Matrix: Solid
Analysis Batch: 283709

Client Sample ID: SITE SS12 GRID D6
Prep Type: Total/NA
Prep Batch: 283335

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	27		195	196		mg/Kg	☼	87	75 - 125
Barium	110		195	311		mg/Kg	☼	104	75 - 125
Cadmium	0.59		195	184		mg/Kg	☼	94	75 - 125

Method: 6020 - Metals (ICP/MS) (Continued)

Lab Sample ID: 240-80547-6 MS
Matrix: Solid
Analysis Batch: 283709

Client Sample ID: SITE SS12 GRID D6
Prep Type: Total/NA
Prep Batch: 283335

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium	9.6	B	195	206		mg/Kg	☼	101	75 - 125
Copper	24	B	195	196		mg/Kg	☼	88	75 - 125
Lead	120		195	332		mg/Kg	☼	106	75 - 125
Manganese	440	B	195	666		mg/Kg	☼	117	75 - 125
Nickel	15		195	212		mg/Kg	☼	101	75 - 125
Strontium	84	B	195	271		mg/Kg	☼	96	75 - 125
Zinc	390		195	622		mg/Kg	☼	120	75 - 125

Lab Sample ID: 240-80547-6 MSD
Matrix: Solid
Analysis Batch: 283709

Client Sample ID: SITE SS12 GRID D6
Prep Type: Total/NA
Prep Batch: 283335

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	27		195	196		mg/Kg	☼	87	75 - 125	0	20
Barium	110		195	314		mg/Kg	☼	106	75 - 125	1	20
Cadmium	0.59		195	186		mg/Kg	☼	95	75 - 125	1	20
Chromium	9.6	B	195	209		mg/Kg	☼	102	75 - 125	1	20
Copper	24	B	195	198		mg/Kg	☼	89	75 - 125	1	20
Lead	120		195	332		mg/Kg	☼	106	75 - 125	0	20
Manganese	440	B	195	659		mg/Kg	☼	114	75 - 125	1	20
Nickel	15		195	217		mg/Kg	☼	104	75 - 125	2	20
Strontium	84	B	195	275		mg/Kg	☼	98	75 - 125	1	20
Zinc	390		195	603		mg/Kg	☼	110	75 - 125	3	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 240-282180/1-A
Matrix: Water
Analysis Batch: 282450

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 282180

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.13	ug/L		06/08/17 14:00	06/09/17 14:59	1

Lab Sample ID: LCS 240-282180/2-A
Matrix: Water
Analysis Batch: 282450

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 282180

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	5.00	4.66		ug/L		93	80 - 120

Lab Sample ID: MB 180-214340/2-B
Matrix: Sediment
Analysis Batch: 215001

Client Sample ID: Method Blank
Prep Type: SEM/AVS
Prep Batch: 214340

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury SEM	ND		0.0010	0.00033	mg/Kg		06/15/17 11:48	06/21/17 15:55	1

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 180-214340/1-B
Matrix: Sediment
Analysis Batch: 215001

Client Sample ID: Lab Control Sample
Prep Type: SEM/AVS
Prep Batch: 214340

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury SEM	0.0125	0.0141		mg/Kg		113	80 - 120

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 240-283346/1-A
Matrix: Solid
Analysis Batch: 283550

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 283346

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.10	0.018	mg/Kg		06/15/17 16:00	06/16/17 16:02	1

Lab Sample ID: LCS 240-283346/2-A
Matrix: Solid
Analysis Batch: 283550

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 283346

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.833	0.937		mg/Kg		112	80 - 120

Lab Sample ID: 240-80547-6 MS
Matrix: Solid
Analysis Batch: 283550

Client Sample ID: SITE SS12 GRID D6
Prep Type: Total/NA
Prep Batch: 283346

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.28	F1	0.376	0.741	F1	mg/Kg	☼	122	80 - 120

Lab Sample ID: 240-80547-6 MSD
Matrix: Solid
Analysis Batch: 283550

Client Sample ID: SITE SS12 GRID D6
Prep Type: Total/NA
Prep Batch: 283346

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.28	F1	0.376	0.752	F1	mg/Kg	☼	125	80 - 120	2	20

Method: 2320B-1997 - Alkalinity, Total

Lab Sample ID: MB 240-282524/5
Matrix: Water
Analysis Batch: 282524

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	ND		5.0	2.6	mg/L			06/09/17 16:40	1

Lab Sample ID: LCS 240-282524/4
Matrix: Water
Analysis Batch: 282524

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity	334	299		mg/L		89	86 - 123

Method: 2320B-1997 - Alkalinity, Total (Continued)

Lab Sample ID: MB 240-282679/5
Matrix: Water
Analysis Batch: 282679

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	ND		5.0	2.6	mg/L			06/10/17 12:03	1

Lab Sample ID: LCS 240-282679/4
Matrix: Water
Analysis Batch: 282679

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity	377	339		mg/L		90	86 - 123

Method: 2340C-1997 - Hardness, Total

Lab Sample ID: MB 240-283315/1
Matrix: Water
Analysis Batch: 283315

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	ND		5.0	2.4	mg/L			06/15/17 11:50	1

Lab Sample ID: LCS 240-283315/2
Matrix: Water
Analysis Batch: 283315

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Hardness as calcium carbonate	170	176		mg/L		104	80 - 120

Lab Sample ID: 240-80547-1 MS
Matrix: Water
Analysis Batch: 283315

Client Sample ID: W-1 SUMMIT LAKE L-1 - SURFACE - DUP A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Hardness as calcium carbonate	240		1000	1180		mg/L		94	80 - 120

Lab Sample ID: 240-80547-1 MSD
Matrix: Water
Analysis Batch: 283315

Client Sample ID: W-1 SUMMIT LAKE L-1 - SURFACE - DUP A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Hardness as calcium carbonate	240		1000	1160		mg/L		92	80 - 120	2	10

Lab Sample ID: MB 240-283804/1
Matrix: Water
Analysis Batch: 283804

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	ND		5.0	2.4	mg/L			06/19/17 14:13	1

Method: 2340C-1997 - Hardness, Total (Continued)

Lab Sample ID: LCS 240-283804/2
Matrix: Water
Analysis Batch: 283804

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Hardness as calcium carbonate	170	178		mg/L		105	80 - 120

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 240-282953/3
Matrix: Water
Analysis Batch: 282953

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.0	0.28	mg/L			06/13/17 11:24	1
Sulfate	ND		1.0	0.35	mg/L			06/13/17 11:24	1

Lab Sample ID: LCS 240-282953/4
Matrix: Water
Analysis Batch: 282953

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	51.8		mg/L		104	90 - 110
Sulfate	50.0	52.1		mg/L		104	90 - 110

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 480-362131/3
Matrix: Water
Analysis Batch: 362131

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	ND		0.020	0.0090	mg/L			06/14/17 16:38	1

Lab Sample ID: LCS 480-362131/4
Matrix: Water
Analysis Batch: 362131

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia	1.00	0.981		mg/L		98	90 - 110

Lab Sample ID: 240-80547-5 DU
Matrix: Water
Analysis Batch: 362131

Client Sample ID: W-5 OHIO CANAL @ SOUTH AVE
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Ammonia	0.027		0.0277		mg/L		4	20

Method: 351.2 - Nitrogen, Total Kjeldahl

Lab Sample ID: MB 480-361536/1-A
Matrix: Water
Analysis Batch: 361875

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 361536

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Kjeldahl Nitrogen	ND		0.20	0.15	mg/L		06/12/17 08:00	06/13/17 09:31	1

Lab Sample ID: LCS 480-361536/2-A
Matrix: Water
Analysis Batch: 361875

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 361536

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Kjeldahl Nitrogen	2.50	2.45		mg/L		98	90 - 110

Lab Sample ID: 240-80547-5 MS
Matrix: Water
Analysis Batch: 361875

Client Sample ID: W-5 OHIO CANAL @ SOUTH AVE
Prep Type: Total/NA
Prep Batch: 361536

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Kjeldahl Nitrogen	0.84		1.00	1.75		mg/L		92	90 - 110

Method: 353.2 - Nitrogen, Nitrate-Nitrite

Lab Sample ID: MB 240-283289/4
Matrix: Water
Analysis Batch: 283289

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.050	0.031	mg/L			06/15/17 11:13	1

Lab Sample ID: LCS 240-283289/5
Matrix: Water
Analysis Batch: 283289

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate Nitrite as N	1.22	1.28		mg/L		105	90 - 110

Method: 4500 P E-1999 - Orthophosphate

Lab Sample ID: MB 240-282301/3
Matrix: Water
Analysis Batch: 282301

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Orthophosphate as P	ND		0.10	0.040	mg/L			06/08/17 15:49	1

Lab Sample ID: LCS 240-282301/4
Matrix: Water
Analysis Batch: 282301

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Orthophosphate as P	0.425	0.444		mg/L		105	80 - 120

Method: 4500 P E-1999 - Orthophosphate (Continued)

Lab Sample ID: 240-80547-1 MS
Matrix: Water
Analysis Batch: 282301

Client Sample ID: W-1 SUMMIT LAKE L-1 - SURFACE - DUP A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Orthophosphate as P	ND		0.500	0.526		mg/L		105	31 - 154

Lab Sample ID: 240-80547-1 MSD
Matrix: Water
Analysis Batch: 282301

Client Sample ID: W-1 SUMMIT LAKE L-1 - SURFACE - DUP A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Orthophosphate as P	ND		0.500	0.564		mg/L		113	31 - 154	7	11

Method: 5220D-1997 - Chemical Oxygen Demand

Lab Sample ID: MB 240-283004/9
Matrix: Water
Analysis Batch: 283004

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	ND		10	4.1	mg/L			06/14/17 10:15	1

Lab Sample ID: LCS 240-283004/10
Matrix: Water
Analysis Batch: 283004

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chemical Oxygen Demand	55.2	51.2		mg/L		93	90 - 110

Method: 5310C-2000 - Total Organic Carbon/Persulfate - Ultrav

Lab Sample ID: MB 240-282568/4
Matrix: Water
Analysis Batch: 282568

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.0	0.14	mg/L			06/10/17 11:26	1

Lab Sample ID: LLCS 240-282568/5
Matrix: Water
Analysis Batch: 282568

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	4.63	4.92		mg/L		106	88 - 115

Method: 9034 - Sulfide, Acid soluble and Insoluble (Titrimetric)

Lab Sample ID: MB 180-214312/2-A
Matrix: Sediment
Analysis Batch: 214371

Client Sample ID: Method Blank
Prep Type: SEM/AVS
Prep Batch: 214312

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acid Volatile Sulfides (AVS)	ND		3.0	1.0	mg/Kg		06/15/17 09:21	06/15/17 14:52	1

Lab Sample ID: LCS 180-214312/1-A
Matrix: Sediment
Analysis Batch: 214371

Client Sample ID: Lab Control Sample
Prep Type: SEM/AVS
Prep Batch: 214312

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acid Volatile Sulfides (AVS)	19.2	17.6		mg/Kg		91	85 - 115

Method: Lloyd Kahn - Organic Carbon, Total (TOC)

Lab Sample ID: MB 180-214453/3
Matrix: Solid
Analysis Batch: 214453

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Duplicates	ND		1000	750	mg/Kg			06/15/17 13:00	1

Lab Sample ID: LCS 180-214453/4
Matrix: Solid
Analysis Batch: 214453

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon - Duplicates	35000	35800		mg/Kg		102	75 - 125

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 240-282462/1
Matrix: Water
Analysis Batch: 282462

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10	7.8	mg/L			06/09/17 13:24	1

Lab Sample ID: LCS 240-282462/2
Matrix: Water
Analysis Batch: 282462

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	242	244		mg/L		101	80 - 120

Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 240-282676/1
Matrix: Water
Analysis Batch: 282676

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	2.2	mg/L			06/12/17 11:01	1

Lab Sample ID: LCS 240-282676/2
Matrix: Water
Analysis Batch: 282676

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	59.1	42.0		mg/L		71	64 - 120

Method: SM 4500 P E - Phosphorus

Lab Sample ID: MB 480-361721/3
Matrix: Water
Analysis Batch: 361721

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phosphorus	ND		0.010	0.0050	mg/L			06/12/17 20:10	1
Phosphorus as PO4	ND		0.031	0.015	mg/L			06/12/17 20:10	1

Lab Sample ID: LCS 480-361721/4
Matrix: Water
Analysis Batch: 361721

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Phosphorus	0.200	0.200		mg/L		100	90 - 110
Phosphorus as PO4	0.613	0.612		mg/L		100	90 - 110

GC/MS VOA

Analysis Batch: 283673

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80547-6	SITE SS12 GRID D6	Total/NA	Solid	8260B	283674
240-80547-7	SITE SS13 GRID D80	Total/NA	Solid	8260B	283674
MB 240-283673/8	Method Blank	Total/NA	Solid	8260B	
LCS 240-283673/6	Lab Control Sample	Total/NA	Solid	8260B	

Prep Batch: 283674

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80547-6	SITE SS12 GRID D6	Total/NA	Solid	5030A	
240-80547-7	SITE SS13 GRID D80	Total/NA	Solid	5030A	

Analysis Batch: 283845

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80547-7	SITE SS13 GRID D80	Total/NA	Solid	8260B	283854
MB 240-283845/8	Method Blank	Total/NA	Solid	8260B	
LCS 240-283845/6	Lab Control Sample	Total/NA	Solid	8260B	

Prep Batch: 283854

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80547-7	SITE SS13 GRID D80	Total/NA	Solid	5030A	

GC/MS Semi VOA

Prep Batch: 282390

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80547-6	SITE SS12 GRID D6	Total/NA	Solid	3540C	
240-80547-7	SITE SS13 GRID D80	Total/NA	Solid	3540C	
MB 240-282390/18-A	Method Blank	Total/NA	Solid	3540C	
LCS 240-282390/19-A	Lab Control Sample	Total/NA	Solid	3540C	

Analysis Batch: 282825

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80547-6	SITE SS12 GRID D6	Total/NA	Solid	8270C	282390
240-80547-7	SITE SS13 GRID D80	Total/NA	Solid	8270C	282390
MB 240-282390/18-A	Method Blank	Total/NA	Solid	8270C	282390
LCS 240-282390/19-A	Lab Control Sample	Total/NA	Solid	8270C	282390

GC Semi VOA

Prep Batch: 282153

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80547-6	SITE SS12 GRID D6	Total/NA	Solid	3546	
240-80547-7	SITE SS13 GRID D80	Total/NA	Solid	3546	
MB 240-282153/10-A	Method Blank	Total/NA	Solid	3546	
LCS 240-282153/11-A	Lab Control Sample	Total/NA	Solid	3546	

Prep Batch: 282187

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80547-6	SITE SS12 GRID D6	Total/NA	Solid	3540C	
240-80547-7	SITE SS13 GRID D80	Total/NA	Solid	3540C	
MB 240-282187/13-A	Method Blank	Total/NA	Solid	3540C	

GC Semi VOA (Continued)

Prep Batch: 282187 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 240-282187/14-A	Lab Control Sample	Total/NA	Solid	3540C	

Prep Batch: 282191

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80547-6	SITE SS12 GRID D6	Total/NA	Solid	3540C	
240-80547-7	SITE SS13 GRID D80	Total/NA	Solid	3540C	
MB 240-282191/5-A	Method Blank	Total/NA	Solid	3540C	
LCS 240-282191/6-A	Lab Control Sample	Total/NA	Solid	3540C	
240-80547-7 MS	SITE SS13 GRID D80	Total/NA	Solid	3540C	
240-80547-7 MSD	SITE SS13 GRID D80	Total/NA	Solid	3540C	

Prep Batch: 282372

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80547-6	SITE SS12 GRID D6	Total/NA	Solid	3546	
240-80547-7	SITE SS13 GRID D80	Total/NA	Solid	3546	
MB 240-282372/16-A	Method Blank	Total/NA	Solid	3546	
LCS 240-282372/17-A	Lab Control Sample	Total/NA	Solid	3546	

Analysis Batch: 282505

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80547-6	SITE SS12 GRID D6	Total/NA	Solid	8082	282187
240-80547-7	SITE SS13 GRID D80	Total/NA	Solid	8082	282187
MB 240-282187/13-A	Method Blank	Total/NA	Solid	8082	282187
LCS 240-282187/14-A	Lab Control Sample	Total/NA	Solid	8082	282187

Analysis Batch: 282792

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80547-6	SITE SS12 GRID D6	Total/NA	Solid	8015B	282153
240-80547-7	SITE SS13 GRID D80	Total/NA	Solid	8015B	282153
MB 240-282153/10-A	Method Blank	Total/NA	Solid	8015B	282153
LCS 240-282153/11-A	Lab Control Sample	Total/NA	Solid	8015B	282153

Analysis Batch: 282837

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80547-6	SITE SS12 GRID D6	Total/NA	Solid	8151A	282372
240-80547-7	SITE SS13 GRID D80	Total/NA	Solid	8151A	282372
MB 240-282372/16-A	Method Blank	Total/NA	Solid	8151A	282372
LCS 240-282372/17-A	Lab Control Sample	Total/NA	Solid	8151A	282372

Analysis Batch: 283108

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80547-6	SITE SS12 GRID D6	Total/NA	Solid	8081A	282191
240-80547-7	SITE SS13 GRID D80	Total/NA	Solid	8081A	282191
MB 240-282191/5-A	Method Blank	Total/NA	Solid	8081A	282191
240-80547-7 MS	SITE SS13 GRID D80	Total/NA	Solid	8081A	282191
240-80547-7 MSD	SITE SS13 GRID D80	Total/NA	Solid	8081A	282191

Analysis Batch: 283281

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80547-6	SITE SS12 GRID D6	Total/NA	Solid	8081A	282191
240-80547-7	SITE SS13 GRID D80	Total/NA	Solid	8081A	282191

GC Semi VOA (Continued)

Analysis Batch: 283281 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80547-7 MS	SITE SS13 GRID D80	Total/NA	Solid	8081A	282191
240-80547-7 MSD	SITE SS13 GRID D80	Total/NA	Solid	8081A	282191

Analysis Batch: 283475

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 240-282191/6-A	Lab Control Sample	Total/NA	Solid	8081A	282191

Metals

Prep Batch: 214340

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80547-8	SITE SS12 GRID D6	SEM/AVS	Sediment	AVSSEM	
240-80547-9	SITE SS13 GRID D80	SEM/AVS	Sediment	AVSSEM	
MB 180-214340/2-A	Method Blank	SEM/AVS	Sediment	AVSSEM	
MB 180-214340/2-B	Method Blank	SEM/AVS	Sediment	AVSSEM	
LCS 180-214340/1-A	Lab Control Sample	SEM/AVS	Sediment	AVSSEM	
LCS 180-214340/1-B	Lab Control Sample	SEM/AVS	Sediment	AVSSEM	

Prep Batch: 214824

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80547-8	SITE SS12 GRID D6	SEM/AVS	Sediment	7470A	214340
240-80547-9	SITE SS13 GRID D80	SEM/AVS	Sediment	7470A	214340
MB 180-214340/2-B	Method Blank	SEM/AVS	Sediment	7470A	214340
LCS 180-214340/1-B	Lab Control Sample	SEM/AVS	Sediment	7470A	214340

Analysis Batch: 214890

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80547-8	SITE SS12 GRID D6	SEM/AVS	Sediment	6010C	214340
240-80547-9	SITE SS13 GRID D80	SEM/AVS	Sediment	6010C	214340
MB 180-214340/2-A	Method Blank	SEM/AVS	Sediment	6010C	214340
LCS 180-214340/1-A	Lab Control Sample	SEM/AVS	Sediment	6010C	214340

Analysis Batch: 215001

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80547-8	SITE SS12 GRID D6	SEM/AVS	Sediment	7470A	214824
240-80547-9	SITE SS13 GRID D80	SEM/AVS	Sediment	7470A	214824
MB 180-214340/2-B	Method Blank	SEM/AVS	Sediment	7470A	214824
LCS 180-214340/1-B	Lab Control Sample	SEM/AVS	Sediment	7470A	214824

Analysis Batch: 215120

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80547-8	SITE SS12 GRID D6	SEM/AVS	Sediment	SEM	
240-80547-9	SITE SS13 GRID D80	SEM/AVS	Sediment	SEM	

Prep Batch: 282176

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80547-1	W-1 SUMMIT LAKE L-1 - SURFACE - DUP A	Total Recoverable	Water	3005A	
240-80547-2	W-2 SUMMIT LAKE L-1 - SURFACE - DUP B	Total Recoverable	Water	3005A	
240-80547-3	W-3 SUMMIT LAKE L-1 - BOTTOM	Total Recoverable	Water	3005A	
240-80547-4	W-4 OHIO CANAL @ KENMORE BLVD	Total Recoverable	Water	3005A	

Metals (Continued)

Prep Batch: 282176 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80547-5	W-5 OHIO CANAL @ SOUTH AVE	Total Recoverable	Water	3005A	
MB 240-282176/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 240-282176/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 282180

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80547-1	W-1 SUMMIT LAKE L-1 - SURFACE - DUP A	Total/NA	Water	7470A	
240-80547-2	W-2 SUMMIT LAKE L-1 - SURFACE - DUP B	Total/NA	Water	7470A	
240-80547-3	W-3 SUMMIT LAKE L-1 - BOTTOM	Total/NA	Water	7470A	
240-80547-4	W-4 OHIO CANAL @ KENMORE BLVD	Total/NA	Water	7470A	
240-80547-5	W-5 OHIO CANAL @ SOUTH AVE	Total/NA	Water	7470A	
MB 240-282180/1-A	Method Blank	Total/NA	Water	7470A	
LCS 240-282180/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 282450

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80547-1	W-1 SUMMIT LAKE L-1 - SURFACE - DUP A	Total/NA	Water	7470A	282180
240-80547-2	W-2 SUMMIT LAKE L-1 - SURFACE - DUP B	Total/NA	Water	7470A	282180
240-80547-3	W-3 SUMMIT LAKE L-1 - BOTTOM	Total/NA	Water	7470A	282180
240-80547-4	W-4 OHIO CANAL @ KENMORE BLVD	Total/NA	Water	7470A	282180
240-80547-5	W-5 OHIO CANAL @ SOUTH AVE	Total/NA	Water	7470A	282180
MB 240-282180/1-A	Method Blank	Total/NA	Water	7470A	282180
LCS 240-282180/2-A	Lab Control Sample	Total/NA	Water	7470A	282180

Analysis Batch: 282482

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80547-1	W-1 SUMMIT LAKE L-1 - SURFACE - DUP A	Total Recoverable	Water	6010B	282176
240-80547-2	W-2 SUMMIT LAKE L-1 - SURFACE - DUP B	Total Recoverable	Water	6010B	282176
240-80547-3	W-3 SUMMIT LAKE L-1 - BOTTOM	Total Recoverable	Water	6010B	282176
240-80547-4	W-4 OHIO CANAL @ KENMORE BLVD	Total Recoverable	Water	6010B	282176
240-80547-5	W-5 OHIO CANAL @ SOUTH AVE	Total Recoverable	Water	6010B	282176
MB 240-282176/1-A	Method Blank	Total Recoverable	Water	6010B	282176
LCS 240-282176/2-A	Lab Control Sample	Total Recoverable	Water	6010B	282176

Prep Batch: 283335

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80547-6	SITE SS12 GRID D6	Total/NA	Solid	3050B	
240-80547-7	SITE SS13 GRID D80	Total/NA	Solid	3050B	
MB 240-283335/1-A	Method Blank	Total/NA	Solid	3050B	
MB 240-283335/1-A ^2	Method Blank	Total/NA	Solid	3050B	
LCS 240-283335/2-A	Lab Control Sample	Total/NA	Solid	3050B	
LCS 240-283335/3-A ^2	Lab Control Sample	Total/NA	Solid	3050B	
240-80547-6 MS	SITE SS12 GRID D6	Total/NA	Solid	3050B	
240-80547-6 MS	SITE SS12 GRID D6	Total/NA	Solid	3050B	
240-80547-6 MSD	SITE SS12 GRID D6	Total/NA	Solid	3050B	
240-80547-6 MSD	SITE SS12 GRID D6	Total/NA	Solid	3050B	

Prep Batch: 283346

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80547-6	SITE SS12 GRID D6	Total/NA	Solid	7471A	
240-80547-7	SITE SS13 GRID D80	Total/NA	Solid	7471A	

Metals (Continued)

Prep Batch: 283346 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 240-283346/1-A	Method Blank	Total/NA	Solid	7471A	
LCS 240-283346/2-A	Lab Control Sample	Total/NA	Solid	7471A	
240-80547-6 MS	SITE SS12 GRID D6	Total/NA	Solid	7471A	
240-80547-6 MSD	SITE SS12 GRID D6	Total/NA	Solid	7471A	

Analysis Batch: 283476

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80547-6	SITE SS12 GRID D6	Total/NA	Solid	6010B	283335
240-80547-7	SITE SS13 GRID D80	Total/NA	Solid	6010B	283335
MB 240-283335/1-A	Method Blank	Total/NA	Solid	6010B	283335
LCS 240-283335/2-A	Lab Control Sample	Total/NA	Solid	6010B	283335
240-80547-6 MS	SITE SS12 GRID D6	Total/NA	Solid	6010B	283335
240-80547-6 MSD	SITE SS12 GRID D6	Total/NA	Solid	6010B	283335

Analysis Batch: 283550

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80547-6	SITE SS12 GRID D6	Total/NA	Solid	7471A	283346
240-80547-7	SITE SS13 GRID D80	Total/NA	Solid	7471A	283346
MB 240-283346/1-A	Method Blank	Total/NA	Solid	7471A	283346
LCS 240-283346/2-A	Lab Control Sample	Total/NA	Solid	7471A	283346
240-80547-6 MS	SITE SS12 GRID D6	Total/NA	Solid	7471A	283346
240-80547-6 MSD	SITE SS12 GRID D6	Total/NA	Solid	7471A	283346

Analysis Batch: 283709

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80547-6	SITE SS12 GRID D6	Total/NA	Solid	6020	283335
MB 240-283335/1-A ^2	Method Blank	Total/NA	Solid	6020	283335
LCS 240-283335/3-A ^2	Lab Control Sample	Total/NA	Solid	6020	283335
240-80547-6 MS	SITE SS12 GRID D6	Total/NA	Solid	6020	283335
240-80547-6 MSD	SITE SS12 GRID D6	Total/NA	Solid	6020	283335

Analysis Batch: 283894

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80547-7	SITE SS13 GRID D80	Total/NA	Solid	6020	283335

General Chemistry

Analysis Batch: 213774

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80547-8	SITE SS12 GRID D6	Total/NA	Sediment	2540G	
240-80547-9	SITE SS13 GRID D80	Total/NA	Sediment	2540G	

Prep Batch: 214312

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80547-8	SITE SS12 GRID D6	SEM/AVS	Sediment	AVSSEM	
240-80547-9	SITE SS13 GRID D80	SEM/AVS	Sediment	AVSSEM	
MB 180-214312/2-A	Method Blank	SEM/AVS	Sediment	AVSSEM	
LCS 180-214312/1-A	Lab Control Sample	SEM/AVS	Sediment	AVSSEM	

General Chemistry (Continued)

Analysis Batch: 214371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80547-8	SITE SS12 GRID D6	SEM/AVS	Sediment	9034	214312
240-80547-9	SITE SS13 GRID D80	SEM/AVS	Sediment	9034	214312
MB 180-214312/2-A	Method Blank	SEM/AVS	Sediment	9034	214312
LCS 180-214312/1-A	Lab Control Sample	SEM/AVS	Sediment	9034	214312

Analysis Batch: 214453

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80547-6	SITE SS12 GRID D6	Total/NA	Solid	Lloyd Kahn	
240-80547-7	SITE SS13 GRID D80	Total/NA	Solid	Lloyd Kahn	
MB 180-214453/3	Method Blank	Total/NA	Solid	Lloyd Kahn	
LCS 180-214453/4	Lab Control Sample	Total/NA	Solid	Lloyd Kahn	

Analysis Batch: 282160

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80547-6	SITE SS12 GRID D6	Total/NA	Solid	Moisture	
240-80547-7	SITE SS13 GRID D80	Total/NA	Solid	Moisture	

Analysis Batch: 282301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80547-1	W-1 SUMMIT LAKE L-1 - SURFACE - DUP A	Total/NA	Water	4500 P E-1999	
240-80547-2	W-2 SUMMIT LAKE L-1 - SURFACE - DUP B	Total/NA	Water	4500 P E-1999	
240-80547-3	W-3 SUMMIT LAKE L-1 - BOTTOM	Total/NA	Water	4500 P E-1999	
240-80547-4	W-4 OHIO CANAL @ KENMORE BLVD	Total/NA	Water	4500 P E-1999	
240-80547-5	W-5 OHIO CANAL @ SOUTH AVE	Total/NA	Water	4500 P E-1999	
MB 240-282301/3	Method Blank	Total/NA	Water	4500 P E-1999	
LCS 240-282301/4	Lab Control Sample	Total/NA	Water	4500 P E-1999	
240-80547-1 MS	W-1 SUMMIT LAKE L-1 - SURFACE - DUP A	Total/NA	Water	4500 P E-1999	
240-80547-1 MSD	W-1 SUMMIT LAKE L-1 - SURFACE - DUP A	Total/NA	Water	4500 P E-1999	

Analysis Batch: 282462

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80547-1	W-1 SUMMIT LAKE L-1 - SURFACE - DUP A	Total/NA	Water	SM 2540C	
240-80547-2	W-2 SUMMIT LAKE L-1 - SURFACE - DUP B	Total/NA	Water	SM 2540C	
240-80547-3	W-3 SUMMIT LAKE L-1 - BOTTOM	Total/NA	Water	SM 2540C	
240-80547-4	W-4 OHIO CANAL @ KENMORE BLVD	Total/NA	Water	SM 2540C	
240-80547-5	W-5 OHIO CANAL @ SOUTH AVE	Total/NA	Water	SM 2540C	
MB 240-282462/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 240-282462/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 282524

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80547-1	W-1 SUMMIT LAKE L-1 - SURFACE - DUP A	Total/NA	Water	2320B-1997	
MB 240-282524/5	Method Blank	Total/NA	Water	2320B-1997	
LCS 240-282524/4	Lab Control Sample	Total/NA	Water	2320B-1997	

Analysis Batch: 282568

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80547-1	W-1 SUMMIT LAKE L-1 - SURFACE - DUP A	Total/NA	Water	5310C-2000	
240-80547-2	W-2 SUMMIT LAKE L-1 - SURFACE - DUP B	Total/NA	Water	5310C-2000	
240-80547-3	W-3 SUMMIT LAKE L-1 - BOTTOM	Total/NA	Water	5310C-2000	
240-80547-4	W-4 OHIO CANAL @ KENMORE BLVD	Total/NA	Water	5310C-2000	

General Chemistry (Continued)

Analysis Batch: 282568 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80547-5	W-5 OHIO CANAL @ SOUTH AVE	Total/NA	Water	5310C-2000	
MB 240-282568/4	Method Blank	Total/NA	Water	5310C-2000	
LLCS 240-282568/5	Lab Control Sample	Total/NA	Water	5310C-2000	

Analysis Batch: 282676

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80547-1	W-1 SUMMIT LAKE L-1 - SURFACE - DUP A	Total/NA	Water	SM 2540D	
240-80547-2	W-2 SUMMIT LAKE L-1 - SURFACE - DUP B	Total/NA	Water	SM 2540D	
240-80547-3	W-3 SUMMIT LAKE L-1 - BOTTOM	Total/NA	Water	SM 2540D	
240-80547-4	W-4 OHIO CANAL @ KENMORE BLVD	Total/NA	Water	SM 2540D	
240-80547-5	W-5 OHIO CANAL @ SOUTH AVE	Total/NA	Water	SM 2540D	
MB 240-282676/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 240-282676/2	Lab Control Sample	Total/NA	Water	SM 2540D	

Analysis Batch: 282679

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80547-2	W-2 SUMMIT LAKE L-1 - SURFACE - DUP B	Total/NA	Water	2320B-1997	
240-80547-3	W-3 SUMMIT LAKE L-1 - BOTTOM	Total/NA	Water	2320B-1997	
240-80547-4	W-4 OHIO CANAL @ KENMORE BLVD	Total/NA	Water	2320B-1997	
240-80547-5	W-5 OHIO CANAL @ SOUTH AVE	Total/NA	Water	2320B-1997	
MB 240-282679/5	Method Blank	Total/NA	Water	2320B-1997	
LCS 240-282679/4	Lab Control Sample	Total/NA	Water	2320B-1997	

Analysis Batch: 282953

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80547-1	W-1 SUMMIT LAKE L-1 - SURFACE - DUP A	Total/NA	Water	300.0	
240-80547-2	W-2 SUMMIT LAKE L-1 - SURFACE - DUP B	Total/NA	Water	300.0	
240-80547-3	W-3 SUMMIT LAKE L-1 - BOTTOM	Total/NA	Water	300.0	
240-80547-4	W-4 OHIO CANAL @ KENMORE BLVD	Total/NA	Water	300.0	
240-80547-5	W-5 OHIO CANAL @ SOUTH AVE	Total/NA	Water	300.0	
MB 240-282953/3	Method Blank	Total/NA	Water	300.0	
LCS 240-282953/4	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 283004

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80547-1	W-1 SUMMIT LAKE L-1 - SURFACE - DUP A	Total/NA	Water	5220D-1997	
240-80547-2	W-2 SUMMIT LAKE L-1 - SURFACE - DUP B	Total/NA	Water	5220D-1997	
240-80547-3	W-3 SUMMIT LAKE L-1 - BOTTOM	Total/NA	Water	5220D-1997	
240-80547-4	W-4 OHIO CANAL @ KENMORE BLVD	Total/NA	Water	5220D-1997	
240-80547-5	W-5 OHIO CANAL @ SOUTH AVE	Total/NA	Water	5220D-1997	
MB 240-283004/9	Method Blank	Total/NA	Water	5220D-1997	
LCS 240-283004/10	Lab Control Sample	Total/NA	Water	5220D-1997	

Analysis Batch: 283289

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80547-1	W-1 SUMMIT LAKE L-1 - SURFACE - DUP A	Total/NA	Water	353.2	
240-80547-2	W-2 SUMMIT LAKE L-1 - SURFACE - DUP B	Total/NA	Water	353.2	
240-80547-3	W-3 SUMMIT LAKE L-1 - BOTTOM	Total/NA	Water	353.2	
240-80547-4	W-4 OHIO CANAL @ KENMORE BLVD	Total/NA	Water	353.2	
240-80547-5	W-5 OHIO CANAL @ SOUTH AVE	Total/NA	Water	353.2	
MB 240-283289/4	Method Blank	Total/NA	Water	353.2	

General Chemistry (Continued)

Analysis Batch: 283289 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 240-283289/5	Lab Control Sample	Total/NA	Water	353.2	

Analysis Batch: 283315

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80547-1	W-1 SUMMIT LAKE L-1 - SURFACE - DUP A	Total/NA	Water	2340C-1997	
240-80547-3	W-3 SUMMIT LAKE L-1 - BOTTOM	Total/NA	Water	2340C-1997	
240-80547-4	W-4 OHIO CANAL @ KENMORE BLVD	Total/NA	Water	2340C-1997	
240-80547-5	W-5 OHIO CANAL @ SOUTH AVE	Total/NA	Water	2340C-1997	
MB 240-283315/1	Method Blank	Total/NA	Water	2340C-1997	
LCS 240-283315/2	Lab Control Sample	Total/NA	Water	2340C-1997	
240-80547-1 MS	W-1 SUMMIT LAKE L-1 - SURFACE - DUP A	Total/NA	Water	2340C-1997	
240-80547-1 MSD	W-1 SUMMIT LAKE L-1 - SURFACE - DUP A	Total/NA	Water	2340C-1997	

Analysis Batch: 283804

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80547-2	W-2 SUMMIT LAKE L-1 - SURFACE - DUP B	Total/NA	Water	2340C-1997	
MB 240-283804/1	Method Blank	Total/NA	Water	2340C-1997	
LCS 240-283804/2	Lab Control Sample	Total/NA	Water	2340C-1997	

Prep Batch: 361536

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80547-1	W-1 SUMMIT LAKE L-1 - SURFACE - DUP A	Total/NA	Water	351.2	
240-80547-2	W-2 SUMMIT LAKE L-1 - SURFACE - DUP B	Total/NA	Water	351.2	
240-80547-3	W-3 SUMMIT LAKE L-1 - BOTTOM	Total/NA	Water	351.2	
240-80547-4	W-4 OHIO CANAL @ KENMORE BLVD	Total/NA	Water	351.2	
240-80547-5	W-5 OHIO CANAL @ SOUTH AVE	Total/NA	Water	351.2	
MB 480-361536/1-A	Method Blank	Total/NA	Water	351.2	
LCS 480-361536/2-A	Lab Control Sample	Total/NA	Water	351.2	
240-80547-5 MS	W-5 OHIO CANAL @ SOUTH AVE	Total/NA	Water	351.2	

Analysis Batch: 361721

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80547-1	W-1 SUMMIT LAKE L-1 - SURFACE - DUP A	Total/NA	Water	SM 4500 P E	
240-80547-2	W-2 SUMMIT LAKE L-1 - SURFACE - DUP B	Total/NA	Water	SM 4500 P E	
240-80547-3	W-3 SUMMIT LAKE L-1 - BOTTOM	Total/NA	Water	SM 4500 P E	
240-80547-4	W-4 OHIO CANAL @ KENMORE BLVD	Total/NA	Water	SM 4500 P E	
240-80547-5	W-5 OHIO CANAL @ SOUTH AVE	Total/NA	Water	SM 4500 P E	
MB 480-361721/3	Method Blank	Total/NA	Water	SM 4500 P E	
LCS 480-361721/4	Lab Control Sample	Total/NA	Water	SM 4500 P E	

Analysis Batch: 361875

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80547-1	W-1 SUMMIT LAKE L-1 - SURFACE - DUP A	Total/NA	Water	351.2	361536
240-80547-2	W-2 SUMMIT LAKE L-1 - SURFACE - DUP B	Total/NA	Water	351.2	361536
240-80547-3	W-3 SUMMIT LAKE L-1 - BOTTOM	Total/NA	Water	351.2	361536
240-80547-4	W-4 OHIO CANAL @ KENMORE BLVD	Total/NA	Water	351.2	361536
240-80547-5	W-5 OHIO CANAL @ SOUTH AVE	Total/NA	Water	351.2	361536
MB 480-361536/1-A	Method Blank	Total/NA	Water	351.2	361536
LCS 480-361536/2-A	Lab Control Sample	Total/NA	Water	351.2	361536
240-80547-5 MS	W-5 OHIO CANAL @ SOUTH AVE	Total/NA	Water	351.2	361536

General Chemistry (Continued)

Analysis Batch: 362131

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80547-1	W-1 SUMMIT LAKE L-1 - SURFACE - DUP A	Total/NA	Water	350.1	
240-80547-2	W-2 SUMMIT LAKE L-1 - SURFACE - DUP B	Total/NA	Water	350.1	
240-80547-3	W-3 SUMMIT LAKE L-1 - BOTTOM	Total/NA	Water	350.1	
240-80547-4	W-4 OHIO CANAL @ KENMORE BLVD	Total/NA	Water	350.1	
240-80547-5	W-5 OHIO CANAL @ SOUTH AVE	Total/NA	Water	350.1	
MB 480-362131/3	Method Blank	Total/NA	Water	350.1	
LCS 480-362131/4	Lab Control Sample	Total/NA	Water	350.1	
240-80547-5 DU	W-5 OHIO CANAL @ SOUTH AVE	Total/NA	Water	350.1	

Geotechnical

Analysis Batch: 117566

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-80547-6	SITE SS12 GRID D6	Total/NA	Solid	D422	
240-80547-7	SITE SS13 GRID D80	Total/NA	Solid	D422	

Client Sample ID: W-1 SUMMIT LAKE L-1 - SURFACE - DUP A

Lab Sample ID: 240-80547-1

Date Collected: 06/07/17 14:00

Matrix: Water

Date Received: 06/07/17 15:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			282176	06/08/17 14:00	AJC	TAL CAN
Total Recoverable	Analysis	6010B		1	282482	06/09/17 19:47	RKT	TAL CAN
Total/NA	Prep	7470A			282180	06/08/17 14:00	AJC	TAL CAN
Total/NA	Analysis	7470A		1	282450	06/09/17 15:27	DTN	TAL CAN
Total/NA	Analysis	2320B-1997		1	282524	06/09/17 18:41	LKG	TAL CAN
Total/NA	Analysis	2340C-1997		1	283315	06/15/17 13:51	JMB	TAL CAN
Total/NA	Analysis	300.0		1	282953	06/13/17 17:53	LKG	TAL CAN
Total/NA	Analysis	350.1		1	362131	06/14/17 16:40	SSS	TAL BUF
Total/NA	Prep	351.2			361536	06/12/17 08:00	CLT	TAL BUF
Total/NA	Analysis	351.2		1	361875	06/13/17 09:58	CLT	TAL BUF
Total/NA	Analysis	353.2		1	283289	06/15/17 11:23	JMB	TAL CAN
Total/NA	Analysis	4500 P E-1999		1	282301	06/08/17 15:51	MM	TAL CAN
Total/NA	Analysis	5220D-1997		1	283004	06/14/17 10:18	TPH	TAL CAN
Total/NA	Analysis	5310C-2000		1	282568	06/10/17 15:40	TPH	TAL CAN
Total/NA	Analysis	SM 2540C		1	282462	06/09/17 13:24	MM	TAL CAN
Total/NA	Analysis	SM 2540D		1	282676	06/12/17 11:01	MM	TAL CAN
Total/NA	Analysis	SM 4500 P E		1	361721	06/12/17 20:10	DCB	TAL BUF

Client Sample ID: W-2 SUMMIT LAKE L-1 - SURFACE - DUP B

Lab Sample ID: 240-80547-2

Date Collected: 06/07/17 14:00

Matrix: Water

Date Received: 06/07/17 15:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			282176	06/08/17 14:00	AJC	TAL CAN
Total Recoverable	Analysis	6010B		1	282482	06/09/17 19:51	RKT	TAL CAN
Total/NA	Prep	7470A			282180	06/08/17 14:00	AJC	TAL CAN
Total/NA	Analysis	7470A		1	282450	06/09/17 15:29	DTN	TAL CAN
Total/NA	Analysis	2320B-1997		1	282679	06/10/17 12:17	CL	TAL CAN
Total/NA	Analysis	2340C-1997		1	283804	06/19/17 14:19	JMB	TAL CAN
Total/NA	Analysis	300.0		1	282953	06/13/17 18:13	LKG	TAL CAN
Total/NA	Analysis	350.1		1	362131	06/14/17 16:41	SSS	TAL BUF
Total/NA	Prep	351.2			361536	06/12/17 08:00	CLT	TAL BUF
Total/NA	Analysis	351.2		1	361875	06/13/17 09:58	CLT	TAL BUF
Total/NA	Analysis	353.2		1	283289	06/15/17 11:26	JMB	TAL CAN
Total/NA	Analysis	4500 P E-1999		1	282301	06/08/17 15:54	MM	TAL CAN
Total/NA	Analysis	5220D-1997		1	283004	06/14/17 10:18	TPH	TAL CAN
Total/NA	Analysis	5310C-2000		1	282568	06/10/17 15:55	TPH	TAL CAN
Total/NA	Analysis	SM 2540C		1	282462	06/09/17 13:24	MM	TAL CAN
Total/NA	Analysis	SM 2540D		1	282676	06/12/17 11:01	MM	TAL CAN
Total/NA	Analysis	SM 4500 P E		1	361721	06/12/17 20:10	DCB	TAL BUF

Client Sample ID: W-3 SUMMIT LAKE L-1 - BOTTOM

Lab Sample ID: 240-80547-3

Date Collected: 06/07/17 14:15

Matrix: Water

Date Received: 06/07/17 15:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			282176	06/08/17 14:00	AJC	TAL CAN
Total Recoverable	Analysis	6010B		1	282482	06/09/17 20:04	RKT	TAL CAN
Total/NA	Prep	7470A			282180	06/08/17 14:00	AJC	TAL CAN
Total/NA	Analysis	7470A		1	282450	06/09/17 15:31	DTN	TAL CAN
Total/NA	Analysis	2320B-1997		1	282679	06/10/17 12:45	CL	TAL CAN
Total/NA	Analysis	2340C-1997		1	283315	06/15/17 14:32	JMB	TAL CAN
Total/NA	Analysis	300.0		5	282953	06/13/17 19:14	LKG	TAL CAN
Total/NA	Analysis	350.1		1	362131	06/14/17 16:42	SSS	TAL BUF
Total/NA	Prep	351.2			361536	06/12/17 08:00	CLT	TAL BUF
Total/NA	Analysis	351.2		1	361875	06/13/17 09:58	CLT	TAL BUF
Total/NA	Analysis	353.2		1	283289	06/15/17 11:28	JMB	TAL CAN
Total/NA	Analysis	4500 P E-1999		1	282301	06/08/17 15:55	MM	TAL CAN
Total/NA	Analysis	5220D-1997		1	283004	06/14/17 10:19	TPH	TAL CAN
Total/NA	Analysis	5310C-2000		1	282568	06/10/17 16:10	TPH	TAL CAN
Total/NA	Analysis	SM 2540C		1	282462	06/09/17 13:24	MM	TAL CAN
Total/NA	Analysis	SM 2540D		1	282676	06/12/17 11:01	MM	TAL CAN
Total/NA	Analysis	SM 4500 P E		1	361721	06/12/17 20:10	DCB	TAL BUF

Client Sample ID: W-4 OHIO CANAL @ KENMORE BLVD

Lab Sample ID: 240-80547-4

Date Collected: 06/07/17 13:23

Matrix: Water

Date Received: 06/07/17 15:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			282176	06/08/17 14:00	AJC	TAL CAN
Total Recoverable	Analysis	6010B		1	282482	06/09/17 20:08	RKT	TAL CAN
Total/NA	Prep	7470A			282180	06/08/17 14:00	AJC	TAL CAN
Total/NA	Analysis	7470A		1	282450	06/09/17 15:33	DTN	TAL CAN
Total/NA	Analysis	2320B-1997		1	282679	06/10/17 12:54	CL	TAL CAN
Total/NA	Analysis	2340C-1997		1	283315	06/15/17 14:42	JMB	TAL CAN
Total/NA	Analysis	300.0		1	282953	06/13/17 19:34	LKG	TAL CAN
Total/NA	Analysis	350.1		1	362131	06/14/17 16:43	SSS	TAL BUF
Total/NA	Prep	351.2			361536	06/12/17 08:00	CLT	TAL BUF
Total/NA	Analysis	351.2		1	361875	06/13/17 09:58	CLT	TAL BUF
Total/NA	Analysis	353.2		1	283289	06/15/17 11:29	JMB	TAL CAN
Total/NA	Analysis	4500 P E-1999		1	282301	06/08/17 15:56	MM	TAL CAN
Total/NA	Analysis	5220D-1997		1	283004	06/14/17 10:20	TPH	TAL CAN
Total/NA	Analysis	5310C-2000		1	282568	06/10/17 16:25	TPH	TAL CAN
Total/NA	Analysis	SM 2540C		1	282462	06/09/17 13:24	MM	TAL CAN
Total/NA	Analysis	SM 2540D		1	282676	06/12/17 11:01	MM	TAL CAN
Total/NA	Analysis	SM 4500 P E		1	361721	06/12/17 20:10	DCB	TAL BUF

Client Sample ID: W-5 OHIO CANAL @ SOUTH AVE

Lab Sample ID: 240-80547-5
Date Collected: 06/07/17 12:50
Matrix: Water
Date Received: 06/07/17 15:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			282176	06/08/17 14:00	AJC	TAL CAN
Total Recoverable	Analysis	6010B		1	282482	06/09/17 20:13	RKT	TAL CAN
Total/NA	Prep	7470A			282180	06/08/17 14:00	AJC	TAL CAN
Total/NA	Analysis	7470A		1	282450	06/09/17 15:35	DTN	TAL CAN
Total/NA	Analysis	2320B-1997		1	282679	06/10/17 13:03	CL	TAL CAN
Total/NA	Analysis	2340C-1997		1	283315	06/15/17 14:52	JMB	TAL CAN
Total/NA	Analysis	300.0		1	282953	06/13/17 19:54	LKG	TAL CAN
Total/NA	Analysis	350.1		1	362131	06/14/17 16:44	SSS	TAL BUF
Total/NA	Prep	351.2			361536	06/12/17 08:00	CLT	TAL BUF
Total/NA	Analysis	351.2		1	361875	06/13/17 09:58	CLT	TAL BUF
Total/NA	Analysis	353.2		1	283289	06/15/17 11:30	JMB	TAL CAN
Total/NA	Analysis	4500 P E-1999		1	282301	06/08/17 15:57	MM	TAL CAN
Total/NA	Analysis	5220D-1997		1	283004	06/14/17 10:20	TPH	TAL CAN
Total/NA	Analysis	5310C-2000		1	282568	06/10/17 16:40	TPH	TAL CAN
Total/NA	Analysis	SM 2540C		1	282462	06/09/17 13:24	MM	TAL CAN
Total/NA	Analysis	SM 2540D		1	282676	06/12/17 11:01	MM	TAL CAN
Total/NA	Analysis	SM 4500 P E		1	361721	06/12/17 20:10	DCB	TAL BUF

Client Sample ID: SITE SS12 GRID D6

Lab Sample ID: 240-80547-6
Date Collected: 06/07/17 10:00
Matrix: Solid
Date Received: 06/07/17 15:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	282160	06/08/17 08:46	PW	TAL CAN
Total/NA	Analysis	D422		1	117566	06/08/17 19:15	MAP	TAL BUR

Client Sample ID: SITE SS12 GRID D6

Lab Sample ID: 240-80547-6
Date Collected: 06/07/17 10:00
Matrix: Solid
Date Received: 06/07/17 15:34
Percent Solids: 47.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030A			283674	06/19/17 02:29	TJL2	TAL CAN
Total/NA	Analysis	8260B		1	283673	06/19/17 08:01	SAM	TAL CAN
Total/NA	Prep	3540C			282390	06/09/17 09:43	JT	TAL CAN
Total/NA	Analysis	8270C		1	282825	06/13/17 18:14	JMG	TAL CAN
Total/NA	Prep	3546			282153	06/08/17 08:35	JT	TAL CAN
Total/NA	Analysis	8015B		1	282792	06/13/17 18:30	DEB	TAL CAN
Total/NA	Prep	3540C			282191	06/08/17 10:50	DT	TAL CAN
Total/NA	Analysis	8081A		50	283108	06/14/17 18:23	OCR	TAL CAN
Total/NA	Prep	3540C			282191	06/08/17 10:50	DT	TAL CAN
Total/NA	Analysis	8081A		1	283281	06/15/17 17:34	OCR	TAL CAN
Total/NA	Prep	3540C			282187	06/08/17 10:31	DT	TAL CAN

Client Sample ID: SITE SS12 GRID D6

Lab Sample ID: 240-80547-6
Date Collected: 06/07/17 10:00
Matrix: Solid
Date Received: 06/07/17 15:34
Percent Solids: 47.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8082		1	282505	06/10/17 18:11	LSH	TAL CAN
Total/NA	Prep	3546			282372	06/09/17 08:29	JT	TAL CAN
Total/NA	Analysis	8151A		1	282837	06/14/17 00:28	RTR	TAL CAN
Total/NA	Prep	3050B			283335	06/15/17 13:48	DEE	TAL CAN
Total/NA	Analysis	6010B		1	283476	06/16/17 14:26	KLC	TAL CAN
Total/NA	Prep	3050B			283335	06/15/17 13:48	DEE	TAL CAN
Total/NA	Analysis	6020		2	283709	06/16/17 23:04	AS1	TAL CAN
Total/NA	Prep	7471A			283346	06/15/17 16:00	DEE	TAL CAN
Total/NA	Analysis	7471A		1	283550	06/16/17 16:29	DTN	TAL CAN
Total/NA	Analysis	Lloyd Kahn		1	214453	06/15/17 15:08	JBF	TAL PIT

Client Sample ID: SITE SS13 GRID D80

Lab Sample ID: 240-80547-7
Date Collected: 06/07/17 11:10
Matrix: Solid
Date Received: 06/07/17 15:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	282160	06/08/17 08:46	PW	TAL CAN
Total/NA	Analysis	D422		1	117566	06/08/17 19:17	MAP	TAL BUR

Client Sample ID: SITE SS13 GRID D80

Lab Sample ID: 240-80547-7
Date Collected: 06/07/17 11:10
Matrix: Solid
Date Received: 06/07/17 15:34
Percent Solids: 23.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030A			283674	06/19/17 02:29	TJL2	TAL CAN
Total/NA	Analysis	8260B		1	283673	06/19/17 08:23	SAM	TAL CAN
Total/NA	Prep	5030A			283854	06/20/17 04:03	TJL2	TAL CAN
Total/NA	Analysis	8260B		1	283845	06/20/17 04:48	TJL2	TAL CAN
Total/NA	Prep	3540C			282390	06/09/17 09:43	JT	TAL CAN
Total/NA	Analysis	8270C		5	282825	06/13/17 18:40	JMG	TAL CAN
Total/NA	Prep	3546			282153	06/08/17 08:35	JT	TAL CAN
Total/NA	Analysis	8015B		5	282792	06/13/17 19:01	DEB	TAL CAN
Total/NA	Prep	3540C			282191	06/08/17 10:50	DT	TAL CAN
Total/NA	Analysis	8081A		50	283108	06/14/17 18:36	OCR	TAL CAN
Total/NA	Prep	3540C			282191	06/08/17 10:50	DT	TAL CAN
Total/NA	Analysis	8081A		1	283281	06/15/17 17:47	OCR	TAL CAN
Total/NA	Prep	3540C			282187	06/08/17 10:31	DT	TAL CAN
Total/NA	Analysis	8082		1	282505	06/10/17 18:30	LSH	TAL CAN
Total/NA	Prep	3546			282372	06/09/17 08:29	JT	TAL CAN
Total/NA	Analysis	8151A		1	282837	06/14/17 00:59	RTR	TAL CAN
Total/NA	Prep	3050B			283335	06/15/17 13:48	DEE	TAL CAN
Total/NA	Analysis	6010B		1	283476	06/16/17 23:30	KLC	TAL CAN
Total/NA	Prep	3050B			283335	06/15/17 13:48	DEE	TAL CAN

Client Sample ID: SITE SS13 GRID D80

Lab Sample ID: 240-80547-7
Date Collected: 06/07/17 11:10
Matrix: Solid
Date Received: 06/07/17 15:34
Percent Solids: 23.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6020		2	283894	06/19/17 14:45	AS1	TAL CAN
Total/NA	Prep	7471A			283346	06/15/17 16:00	DEE	TAL CAN
Total/NA	Analysis	7471A		1	283550	06/16/17 16:35	DTN	TAL CAN
Total/NA	Analysis	Lloyd Kahn		1	214453	06/15/17 15:19	JBF	TAL PIT

Client Sample ID: SITE SS12 GRID D6

Lab Sample ID: 240-80547-8
Date Collected: 06/07/17 10:00
Matrix: Sediment
Date Received: 06/07/17 15:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
SEM/AVS	Prep	AVSSEM			214340	06/15/17 11:48	JJZ	TAL PIT
SEM/AVS	Analysis	6010C		1	214890	06/20/17 23:37	RJG	TAL PIT
SEM/AVS	Analysis	SEM		1	215120	06/22/17 15:01	MM1	TAL PIT
Total/NA	Analysis	2540G		1	213774	06/10/17 07:18	JTL	TAL PIT

Client Sample ID: SITE SS12 GRID D6

Lab Sample ID: 240-80547-8
Date Collected: 06/07/17 10:00
Matrix: Sediment
Date Received: 06/07/17 15:34
Percent Solids: 36.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
SEM/AVS	Prep	AVSSEM			214340	06/15/17 11:48	JJZ	TAL PIT
SEM/AVS	Prep	7470A			214824	06/21/17 14:43	JDD	TAL PIT
SEM/AVS	Analysis	7470A		1	215001	06/21/17 16:12	JDD	TAL PIT
SEM/AVS	Prep	AVSSEM			214312	06/15/17 09:21	JJZ	TAL PIT
SEM/AVS	Analysis	9034		1	214371	06/15/17 15:12	JJZ	TAL PIT

Client Sample ID: SITE SS13 GRID D80

Lab Sample ID: 240-80547-9
Date Collected: 06/07/17 11:10
Matrix: Sediment
Date Received: 06/07/17 15:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
SEM/AVS	Prep	AVSSEM			214340	06/15/17 11:48	JJZ	TAL PIT
SEM/AVS	Analysis	6010C		1	214890	06/20/17 23:52	RJG	TAL PIT
SEM/AVS	Analysis	SEM		1	215120	06/22/17 15:01	MM1	TAL PIT
Total/NA	Analysis	2540G		1	213774	06/10/17 08:14	JTL	TAL PIT

Client Sample ID: SITE SS13 GRID D80

Lab Sample ID: 240-80547-9
Date Collected: 06/07/17 11:10
Matrix: Sediment
Date Received: 06/07/17 15:34
Percent Solids: 18.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
SEM/AVS	Prep	AVSSEM			214340	06/15/17 11:48	JJZ	TAL PIT

Lab Chronicle

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron, OH

TestAmerica Job ID: 240-80547-1

Client Sample ID: SITE SS13 GRID D80
Date Collected: 06/07/17 11:10
Date Received: 06/07/17 15:34

Lab Sample ID: 240-80547-9
Matrix: Sediment
Percent Solids: 18.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
SEM/AVS	Prep	7470A			214824	06/21/17 14:43	JDD	TAL PIT
SEM/AVS	Analysis	7470A		1	215001	06/21/17 16:14	JDD	TAL PIT
SEM/AVS	Prep	AVSSEM			214312	06/15/17 09:21	JJZ	TAL PIT
SEM/AVS	Analysis	9034		1	214371	06/15/17 15:16	JJZ	TAL PIT

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600
TAL BUR = TestAmerica Burlington, 30 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990
TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396
TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Accreditation/Certification Summary

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron, OH

TestAmerica Job ID: 240-80547-1

Laboratory: TestAmerica Canton

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

Authority	Program	EPA Region	Identification Number	Expiration Date
Ohio VAP	State Program	5	CL0024	09-14-17

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

Analysis Method	Prep Method	Matrix	Analyte
2320B-1997		Water	Alkalinity
2340C-1997		Water	Hardness as calcium carbonate
300.0		Water	Chloride
300.0		Water	Sulfate
353.2		Water	Nitrate Nitrite as N
4500 P E-1999		Water	Orthophosphate as P
5220D-1997		Water	Chemical Oxygen Demand
5310C-2000		Water	Total Organic Carbon
6010B	3005A	Water	Magnesium
6010B	3005A	Water	Strontium
6010B	3050B	Solid	Magnesium
6020	3050B	Solid	Strontium
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids
SM 2540C		Water	Total Dissolved Solids
SM 2540D		Water	Total Suspended Solids

Laboratory: TestAmerica Buffalo

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

Authority	Program	EPA Region	Identification Number	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-17 *
California	State Program	9	1169CA	09-30-17
Connecticut	State Program	1	PH-0568	09-30-18
Florida	NELAP	4	E87672	06-30-17 *
Georgia	State Program	4	10026 (NY)	03-31-18
Georgia	State Program	4	956	03-31-18
Illinois	NELAP	5	200003	09-30-17
Iowa	State Program	7	374	03-01-19
Kansas	NELAP	7	E-10187	01-31-18
Kentucky (DW)	State Program	4	90029	12-31-17
Kentucky (UST)	State Program	4	30	03-31-18
Kentucky (WW)	State Program	4	90029	12-31-17
Louisiana	NELAP	6	02031	06-30-17 *
Maine	State Program	1	NY00044	12-04-18
Maryland	State Program	3	294	03-31-18
Massachusetts	State Program	1	M-NY044	06-30-17 *
Michigan	State Program	5	9937	04-01-09 *
Minnesota	NELAP	5	036-999-337	12-31-17
New Hampshire	NELAP	1	2337	11-17-17
New Jersey	NELAP	2	NY455	06-30-17 *
New York	NELAP	2	10026	03-31-18
North Dakota	State Program	8	R-176	03-31-18
Oklahoma	State Program	6	9421	08-31-17
Oregon	NELAP	10	NY200003	06-09-18
Pennsylvania	NELAP	3	68-00281	07-31-17 *
Rhode Island	State Program	1	LAO00328	12-30-17

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Accreditation/Certification Summary

Client: EnviroScience Inc
Project/Site: Summit Lake, Akron, OH

TestAmerica Job ID: 240-80547-1

Laboratory: TestAmerica Buffalo (Continued)

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

Authority	Program	EPA Region	Identification Number	Expiration Date
Tennessee	State Program	4	TN02970	03-31-18
Texas	NELAP	6	T104704412-15-6	07-31-17 *
USDA	Federal		P330-11-00386	11-26-17
Virginia	NELAP	3	460185	09-14-17
Washington	State Program	10	C784	02-10-18
Wisconsin	State Program	5	998310390	08-31-17

Laboratory: TestAmerica Burlington

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

Authority	Program	EPA Region	Identification Number	Expiration Date
Connecticut	State Program	1	PH-0751	09-30-17
DE Haz. Subst. Cleanup Act (HSCA)	State Program	3	NA	02-02-18
Florida	NELAP	4	E87467	06-30-17 *
L-A-B	DoD ELAP		L2336	02-25-20
Maine	State Program	1	VT00008	04-17-19
Minnesota	NELAP	5	050-999-436	12-31-17
New Hampshire	NELAP	1	2006	12-18-17
New Jersey	NELAP	2	VT972	06-30-17 *
New York	NELAP	2	10391	04-01-18
Pennsylvania	NELAP	3	68-00489	04-30-18
Rhode Island	State Program	1	LAO00298	12-30-17
US Fish & Wildlife	Federal		LE-058448-0	10-31-17
USDA	Federal		P330-11-00093	12-05-19
Vermont	State Program	1	VT-4000	12-31-17
Virginia	NELAP	3	460209	12-14-17

Laboratory: TestAmerica Pittsburgh

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

Authority	Program	EPA Region	Identification Number	Expiration Date
Arkansas DEQ	State Program	6	88-0690	06-27-18
California	State Program	9	2891	03-31-18
Connecticut	State Program	1	PH-0688	09-30-18
Florida	NELAP	4	E871008	06-30-17
Illinois	NELAP	5	200005	06-30-18
Kansas	NELAP	7	E-10350	01-31-18
Louisiana	NELAP	6	04041	06-30-17
New Hampshire	NELAP	1	2030	04-04-18
New Jersey	NELAP	2	PA005	06-30-17
New York	NELAP	2	11182	03-31-18
North Carolina (WW/SW)	State Program	4	434	12-31-17
Pennsylvania	NELAP	3	02-00416	04-30-18
South Carolina	State Program	4	89014	04-30-18
Texas	NELAP	6	T104704528-15-2	03-31-18
US Fish & Wildlife	Federal		LE94312A-1	10-31-17
USDA	Federal		P330-16-00211	06-26-19
Utah	NELAP	8	PA001462015-4	05-31-17 *
Virginia	NELAP	3	460189	09-14-17
West Virginia DEP	State Program	3	142	01-31-18
Wisconsin	State Program	5	998027800	08-31-17

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

2.2/2.2
3.1/3.1

TestAmerica Canton
4101 Shuffel Street, N. W.
North Canton, OH 44720
phone 330.497.9396 fax 330.497.0772

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☑ Other: Ohio VAP

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Paul Anderson	Site Contact: Paul Anderson	Date: 6/6/2017	COC No: ES SL 004
EnviroScience, Inc.	Tel/Fax: (330) 608-5424, (330) 688-0111	Lab Contact: Amy McCormick	Carrier: Hand Delivered	1 of 1 COCs
5070 Stow Rd.	Analysis Turnaround Time			Sampler: Paul Anderson
Stow, Ohio 44224	☐ CALENDAR DAYS ☑ WORKING DAYS			For Lab Use Only:
(330) 688-0111 Phone	TAT if different from Below			Walk-in Client:
(330) 688-3858 FAX	☑ 2 weeks			Lab Sampling:
Project Name: Summit Lake Water Quality	☐ 1 week			
Site: Summit Lake, Akron, OH	☐ 2 days			Job / SDG No.:
P O #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	Chloride, Sulfate, TSS, TDS, Ortho P	Nitrate+Nitrite-N, COD	NH3-N, TKN, Total P	7470A: Hg; 6010B: As,Ba,Ca,Cd,Cu,Fe,Mg,K,Mn,Ni, Pb,Se,Sr,Zn,Na	SM 5310 D-2000: TOC	Alkalinity	Hardness	Percent Moisture	GrainSize	8260C	8270C, 8081A, 8015A, 8151A	6010B, 6020, 7471A, 8082, 8015B, Moisture	Lloyd Kahn: TOC	SEM: 9034, 6010C; 7470A	Sample Specific Notes:
W-1 Summit Lake L-1 - SURFACE - DUP A	6-7-17	1400	G	W	7	N	N	1	1	1	1	2	1	1								Field Duplicate
W-2 Summit Lake L-1 - SURFACE - DUP B	6-7-17	1400	G	W	7	N	N	1	1	1	1	2	1	1								Field Duplicate
W-3 Summit Lake L-1 - BOTTOM	6-7-17	1415	G	W	7	N	N	1	1	1	1	2	1	1								
W-4 Ohio Canal @ Kenmore Blvd	6-7-17	1323	G	W	7	N	N	1	1	1	1	2	1	1								
W-5 Ohio Canal @ South Ave.	6-7-17	1350	G	W	7	N	N	1	1	1	1	2	1	1								
Site SS12 Grid D6	6-7-17	1000	C	Sed	7	N	N								1	1	1	1	1	1	1	
Site SS13 Grid D8	6-7-17	1110	C	Sed	7	N	N								1	1	1	1	1	1	1	
								1	3	3	4	3	1	4	1	1	1	1	1	1	1	

240-80547 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longe

☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments: Quote ID: 24017439 WATER SAMPLES - ROUND 1-NO ORGANICS

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	EnviroScience	6-7-17 1534		TA	6-7-17 1534
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Form No. CA-C-WI-002, Rev. 4.2, dated 04/02/2013

6/26/2017

TestAmerica Canton Sample Receipt Form/Narrative **Login # : 80515**
Canton Facility

Client Enviro Science Site Name Summit Lake | Cooler unpacked by: DSD

Cooler Received on 06/07/17 Opened on 06/07/17

FedEx: 1st Grd Exp UPS FAS Clipper ~~Client Drop Off~~ TestAmerica Courier Other

Receipt After-hours: Drop-off Date/Time Storage Location

TestAmerica Cooler # Foam Box ~~Client Cooler~~ Box Other

Packing material used: ~~Bubble Wrap~~ Foam ~~Plastic Bag~~ None Other

COOLANT: ~~Wet Ice~~ Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt — ☒ See Multiple Cooler Form
   IR GUN# IR-8 (CF **-0.4** °C) Observed Cooler Temp._____°C Corrected Cooler Temp._____°C
   IR GUN #36 (CF **+0**°C) Observed Cooler Temp._____°C Corrected Cooler Temp._____°C

2. Were custody seals on the outside of the cooler(s)? If Yes Quantity_____	Yes	No
-Were custody seals on the outside of the cooler(s) signed & dated?	Yes	No NA
-Were custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes	No
3. Shippers' packing slip attached to the cooler(s)?	Yes	No
4. Did custody papers accompany the sample(s)?	Yes	No
5. Were the custody papers relinquished & signed in the appropriate place?	Yes	No
6. Was/were the person(s) who collected the samples clearly identified on the COC?	Yes	No
7. Did all bottles arrive in good condition (Unbroken)?	Yes	No
8. Could all bottle labels be reconciled with the COC?	Yes	No
9. Were correct bottle(s) used for the test(s) indicated?	Yes	No
10. Sufficient quantity received to perform indicated analyses?	Yes	No
11. Are these work share samples?	Yes	No
If yes, Questions 11-15 have been checked at the originating laboratory.		
11. Were sample(s) at the correct pH upon receipt?	Yes	No NA pH Strip Lot# **HC697954**
12. Were VOAs on the COC?	Yes	No
13. Were air bubbles >6 mm in any VOA vials? ● ⬅ Larger than this.	Yes	No NA
14. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot #_____	Yes	No
15. Was a LL Hg or Me Hg trip blank present? _____	Yes	No

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

16. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES — Samples processed by:

17. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.
Sample(s) _____ were received in a broken container.
Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

18. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory.
Time preserved: _____ Preservative(s) added/Lot number(s): _____

TestAmerica Multiple Cooler Receipt Form/Narrative **Login # :** 80547
Canton Facility

Cooler #	IR Gun #	Observed Temp °C	Corrected Temp °C	Coolant
Client	36	7.2	2.2	Ice
6	6	3.1	3.1	0

Login Container Summary Report

Temperature readings: _____

Client Sample ID	Lab ID	Container Type	Container pH	Preservative Added (mls)	Lot #
W-1 SUMMIT LAKE L-1 - SURFAC	240-80547-D-1	Plastic 250ml - with Sulfuric Acid	<2		
W-1 SUMMIT LAKE L-1 - SURFAC	240-80547-E-1	Plastic 250ml - with Nitric Acid	<2		
W-1 SUMMIT LAKE L-1 - SURFAC	240-80547-G-1	Plastic 500ml - with Sulfuric Acid	<2		
W-1 SUMMIT LAKE L-1 - SURFAC	240-80547-H-1	Plastic 500ml - with Nitric Acid	<2		
W-2 SUMMIT LAKE L-1 - SURFAC	240-80547-D-2	Plastic 250ml - with Sulfuric Acid	<2		
W-2 SUMMIT LAKE L-1 - SURFAC	240-80547-E-2	Plastic 250ml - with Nitric Acid	<2		
W-2 SUMMIT LAKE L-1 - SURFAC	240-80547-G-2	Plastic 500ml - with Sulfuric Acid	<2		
W-2 SUMMIT LAKE L-1 - SURFAC	240-80547-H-2	Plastic 500ml - with Nitric Acid	<2		
W-3 SUMMIT LAKE L-1 - BOTTO	240-80547-D-3	Plastic 250ml - with Sulfuric Acid	<2		
W-3 SUMMIT LAKE L-1 - BOTTO	240-80547-E-3	Plastic 250ml - with Nitric Acid	<2		
W-3 SUMMIT LAKE L-1 - BOTTO	240-80547-G-3	Plastic 500ml - with Sulfuric Acid	<2		
W-3 SUMMIT LAKE L-1 - BOTTO	240-80547-H-3	Plastic 500ml - with Nitric Acid	<2		
W-4 OHIO CANAL @ KENMORE I	240-80547-D-4	Plastic 250ml - with Sulfuric Acid	<2		
W-4 OHIO CANAL @ KENMORE I	240-80547-E-4	Plastic 250ml - with Nitric Acid	<2		
W-4 OHIO CANAL @ KENMORE I	240-80547-G-4	Plastic 500ml - with Sulfuric Acid	<2		
W-4 OHIO CANAL @ KENMORE I	240-80547-H-4	Plastic 500ml - with Nitric Acid	<2		
W-4 OHIO CANAL @ SOUTH AVE	240-80547-D-5	Plastic 250ml - with Sulfuric Acid	<2		
W-4 OHIO CANAL @ SOUTH AVE	240-80547-E-5	Plastic 250ml - with Nitric Acid	<2		
W-4 OHIO CANAL @ SOUTH AVE	240-80547-G-5	Plastic 500ml - with Sulfuric Acid	<2		
W-4 OHIO CANAL @ SOUTH AVE	240-80547-H-5	Plastic 500ml - with Nitric Acid	<2		

TestAmerica Canton
4101 Shuffel Street NW
North Canton, OH 44720
Phone (330) 497-9396 Fax (330) 497-0772

Chain of Custody Record

240-80547 Chain of Custody

TestAmerica THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: McCormick, Amy L	COC No: 240-71916.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: amy.mccormick@testamericainc.com	State of Origin: Ohio	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State Program - Ohio VAP	Job #: 240-80547-1
Address: 30 Community Drive, Suite 11,	Due Date Requested: 6/19/2017		
City: South Burlington	TAT Requested (days):		
State, Zip: VT, 05403			
Phone: 802-660-1990(Tel) 802-660-1919(Fax)	PO #:		
Email:	WO #:		
Project Name: OVAP Summit Lake Water Quality	Project #: 24018233		
Site:	SSOW#:		

Preservation Codes:
A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; G - Amchlor; H - Ascorbic Acid; I - Ice; J - DI Water; K - EDTA; L - EDA
M - Hexane; N - None; O - AsNaO2; P - Na2O4S; Q - Na2SO3; R - Na2S2O3; S - H2SO4; T - TSP Dodecahydrate; U - Acetone; V - MCAA; W - pH 4-5; Z - other (specify)
Other:

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	D422/ Grain Size (Sieve and Hydrometer)	Total Number of containers	Special Instructions/Note:
			Preservation Code:					
SITE SS12 GRID D6 (240-80547-6)	6/7/17	10:00 Eastern		Solid		X	1	
SITE SS13 GRID D80 (240-80547-7)	6/7/17	11:10 Eastern		Solid		X	1	

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to TestAmerica Laboratories, Inc.

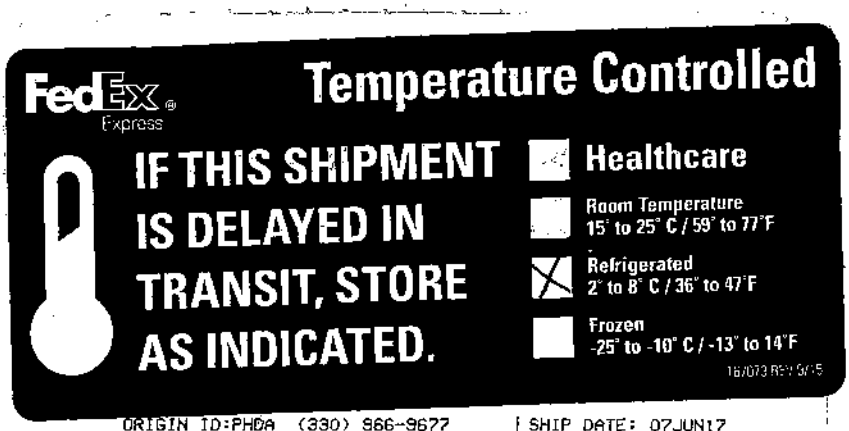
Possible Hazard Identification
Unconfirmed

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* ____ *Months*

Deliverable Requested: I, II, III, IV, Other (specify) — Primary Deliverable Rank: 2
Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:		Time:		Method of Shipment:	
Relinquished by: [signature]	Date/Time: 6-7-17 1730	Company: Z40	Received by: [signature]	Date/Time: 6/08/17 1020	Company: TA BurL	
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:	
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:	

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks: 5.6



ORIGIN ID:PHDA (330) 966-9677
AL HAIDET
TESTAMERICA
4101 SHUFFEL DR

NORTH CANTON, OH 44720
UNITED STATES US

SHIP DATE: 07JUN17
ACTWGT: 20.00 LB
CAD: 507102/CAFE3011

BILL RECIPIENT

TO ENVIRONMENTAL SAMPLE RECEIPT
TESTAMERICA BURLINGTON
30 COMMUNITY DRIVE

SOUTH BURLINGTON VT 05403
(802) 660-1990
DEPT: AL HAIDET

REF: S240-43227

FedEx Express

TRK# 0201 7259 7287 3302

THU - 08 JUN 3:00P
STANDARD OVERNIGHT

NA BTVA

05403
VT-US BTV

TestAmerica Canton
4101 Shuffel Street NW
North Canton, OH 44720
Phone (330) 497-9396 Fax (330) 497-0772

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: McCormick, Amy L	Carrier Tracking No(s):	COC No: 240-71920.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: amy.mccormick@testamericainc.com	State of Origin: Ohio	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State Program - Ohio VAP		Job #: 240-80547-1
Address: 10 Hazelwood Drive, .	Due Date Requested: 6/19/2017			
City: Amherst	TAT Requested (days):			
State, Zip: NY, 14228-2298				
Phone: 716-691-2600(Tel) 716-691-7991(Fax)	PO #:			
Email:	WO #:			
Project Name: OVAP Summit Lake Water Quality	Project #: 24018233			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1/ (MOD) Local Method	4500_P_E	351.2/351.2_Prep	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
W-1 SUMMIT LAKE L-1 - SURFACE - DUP A (240-80547-1)	6/7/17	14:00 Eastern		Water			X	X	X	1	
W-2 SUMMIT LAKE L-1 - SURFACE - DUP B (240-80547-2)	6/7/17	14:00 Eastern		Water			X	X	X	1	
W-3 SUMMIT LAKE L-1 - BOTTOM (240-80547-3)	6/7/17	14:15 Eastern		Water			X	X	X	1	
W-4 OHIO CANAL @ KENMORE BLVD (240-80547-4)	6/7/17	13:23 Eastern		Water			X	X	X	1	
W-4 OHIO CANAL @ SOUTH AVE (240-80547-5)	6/7/17	12:50 Eastern		Water			X	X	X	1	

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to TestAmerica Laboratories, Inc.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	6-7-17 1800	240		6/8/17 0930	TA Buf
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: #1 2.7°C

6/26/2017

Chain of Custody Record

* C460 - 134692 *

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Nayyar, Sapna	Carrier Tracking No(s):	COC No: 460-48570.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: sapna.nayyar@testamericainc.com	State of Origin: Pennsylvania	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Pennsylvania		Job #: 460-134692-1
Address: 10 Hazelwood Drive,	Due Date Requested: 6/16/2017			
City: Amherst	TAT Requested (days):			
State, Zip: NY, 14228-2298				
Phone: 716-691-2600(Tel) 716-691-7991(Fax)	PO #:			
Email:	WO #:			
Project Name: Warminster Steel Drum Stormwater	Project #: 46018107			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid
I - Ice
J - DI Water
K - EDTA
L - EDA
M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2S2O3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - pH 4-5
Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	351.2/351.2_Prep	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
Stormwater Outfall (460-134692-1)	6/5/17	13:02 Eastern		Water			X	1	

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to TestAmerica Laboratories, Inc.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 1	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	6/7/17 1326			6/8/17 0930	TA Buf.
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:	3.1°C

6/26/2017

Login Sample Receipt Checklist

Client: EnviroScience Inc

Job Number: 240-80547-1

Login Number: 80547
List Number: 3
Creator: Hulbert, Michael J

List Source: TestAmerica Buffalo
List Creation: 06/08/17 03:29 PM

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	2.7 #1
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	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: EnviroScience Inc

Job Number: 240-80547-1

Login Number: 80547
List Number: 2
Creator: Cota, Fred P

List Source: TestAmerica Burlington
List Creation: 06/08/17 11:33 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	Not present
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	5.6°C
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?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.

Login Sample Receipt Checklist

Client: EnviroScience Inc

Job Number: 240-80547-1

Login Number: 80547
List Number: 4
Creator: Rumble, Jennifer L

List Source: TestAmerica Pittsburgh
List Creation: 06/08/17 04:39 PM

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

Page Intentionally Blank

Appendix G. TestAmerica Laboratory Analytical Report 240-82589-1

Page Intentionally Blank

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Canton
4101 Shuffel Street NW
North Canton, OH 44720
Tel: (330)497-9396

TestAmerica Job ID: 240-82589-1
Client Project/Site: Summit Lake Water Quality

For:
EnviroScience Inc
5070 Stow Rd.
Stow, Ohio 44224

Attn: Paul Anderson

Authorized for release by:
8/3/2017 4:12:20 PM

Amy McCormick, Project Manager II
(330)966-9787
amy.mccormick@testamericainc.com

Table of Contents

Cover Page 1
Table of Contents 2
Definitions/Glossary 3
Case Narrative 4
Method Summary 9
Sample Summary 10
Detection Summary 11
Client Sample Results 14
Surrogate Summary 30
QC Sample Results 32
QC Association Summary 55
Lab Chronicle 61
Certification Summary 64
Chain of Custody 66
Receipt Checklists 71

Definitions/Glossary

Client: EnviroScience Inc
Project/Site: Summit Lake Water Quality

TestAmerica Job ID: 240-82589-1

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.
B	Compound was found in the blank and sample.

GC Semi VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
H	Sample was prepped or analyzed beyond the specified holding time
*	ISTD response or retention time outside acceptable limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
E	Result exceeded calibration range.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.

General Chemistry

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
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 (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 240-82589-1

Laboratory: TestAmerica Canton

Narrative

CASE NARRATIVE

Client: EnviroScience Inc

Project: Summit Lake Water Quality

Report Number: 240-82589-1

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

The 350.1 Ammonia, 351.2 Total Kjeldahl Nitrogen, and 4500 P E Total Phosphorus analyses were performed at the TestAmerica Buffalo Laboratory.

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

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

TestAmerica utilizes USEPA approved methods, where applicable, in all analytical work. The samples presented in this report were analyzed for the parameter(s) listed on the analytical methods summary page in accordance with the method(s) indicated and were analyzed in accordance with Ohio Voluntary Action Program protocols, where applicable. The following requested analytes, parameter groups or methods analyzed and contained in this report are not certified by the laboratory: Alkalinity by 2320B (samples 1-4); Hardness by 2340C (samples 1-4); Total Dissolved Solids by 2540C (samples 1-4); Total Suspended Solids by 2540D (samples 1-4); Anions by 300.0 (samples 1-4); Ammonia by 350.1 (samples 1-4); Total Kjeldahl Nitrogen by 351.2 (samples 1-4); Nitrate Nitrite as N by 353.2 (samples 1-4); Total Phosphorus by 4500_P_E (samples 1-4); Orthophosphate as P by 4500_P_E (samples 1-4); Chemical Oxygen Demand by 5220D (samples 1-4); Total Organic Carbon by 5310C (samples 1-4); Strontium by 6010B (samples 1-4).

A summary of QC data for these analyses is included at the back of the report.

TestAmerica Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the applicable methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 7/20/2017 10:45 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 9 coolers at receipt time were 0.4º C, 0.9º C, 1.2º C, 1.5º C, 2.1º C, 3.7º C, 4.0º C, 5.1º C and 5.9º C.

SEMIVOLATILE ORGANIC COMPOUNDS (GCMS)

Samples W-1 SUMMIT LAKE L-1-SURFACE (240-82589-1), W-3 SUMMIT LAKE L-1-BOTTOM (240-82589-2), W-4 OHIO CANAL @ KENMORE BLVD (240-82589-3) and W-5 OHIO CANAL @ SOUTH AVE (240-82589-4) were analyzed for semivolatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 07/21/2017 and analyzed on 07/25/2017.

Surrogates are added during the extraction process prior to dilution. When the sample is diluted, surrogate recoveries are diluted out and no corrective action is required.

Job ID: 240-82589-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

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

CHLORINATED PESTICIDES

Samples W-1 SUMMIT LAKE L-1-SURFACE (240-82589-1), W-3 SUMMIT LAKE L-1-BOTTOM (240-82589-2), W-4 OHIO CANAL @ KENMORE BLVD (240-82589-3) and W-5 OHIO CANAL @ SOUTH AVE (240-82589-4) were analyzed for chlorinated pesticides in accordance with EPA SW-846 Method 8081A. The samples were prepared on 07/21/2017, 07/24/2017 and 07/31/2017 and analyzed on 07/27/2017, 07/28/2017 and 08/01/2017.

Surrogates are added during the extraction process prior to dilution. When the sample dilution is 5X or greater, surrogate recoveries are diluted out and no corrective action is required.

Samples W-1 SUMMIT LAKE L-1-SURFACE (240-82589-1)[10X] and W-3 SUMMIT LAKE L-1-BOTTOM (240-82589-2)[20X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Tetrachloro-m-xylene failed the surrogate recovery criteria high for W-1 SUMMIT LAKE L-1-SURFACE (240-82589-1).

Decachlorobiphenyl and Tetrachloro-m-xylene failed the surrogate recovery criteria high for W-3 SUMMIT LAKE L-1-BOTTOM (240-82589-2).

Decachlorobiphenyl and Tetrachloro-m-xylene failed the surrogate recovery criteria low for W-4 OHIO CANAL @ KENMORE BLVDMS (240-82589-3MS).

Reanalysis of samples W-4 OHIO CANAL @ KENMORE BLVD (240-82589-3), W-4 OHIO CANAL @ KENMORE BLVD (240-82589-3[MS]) and W-4 OHIO CANAL @ KENMORE BLVD (240-82589-3[MSD]) was performed outside of holding time due to the original extraction having possible contamination in the MS. Both sets of data have been reported.

The matrix spike/matrix spike duplicate (MS/MSD) precision for preparation batch 240-288387 and analytical batch 240-289112 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.

The continuing calibration verification (CCV) associated with sample W-4 OHIO CANAL @ KENMORE BLVD (240-82589-3) in batch 240-289509 recovered above the upper control limit for Endrin aldehyde and Toxaphene Peak 5. The sample associated with this CCV was non-detect for the affected analytes; therefore, the data have been reported.

Internal standard (ISTD) response for sample W-4 OHIO CANAL @ KENMORE BLVD (240-82589-3[MS]) exceeded the control limit on Column CLP-1 0.32mm ID. As such, the sample results associated with this ISTD were reported from the other column which met ISTD acceptance criteria.

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

POLYCHLORINATED BIPHENYLS (PCBS)

Samples W-1 SUMMIT LAKE L-1-SURFACE (240-82589-1), W-3 SUMMIT LAKE L-1-BOTTOM (240-82589-2), W-4 OHIO CANAL @ KENMORE BLVD (240-82589-3) and W-5 OHIO CANAL @ SOUTH AVE (240-82589-4) were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082. The samples were prepared on 07/26/2017 and analyzed on 07/28/2017.

Surrogates are added during the extraction process prior to dilution. When the sample dilution is 5X or greater, surrogate recoveries are diluted out and no corrective action is required. All of the samples in this data set analyzed for PCBs were subjected to the sulfuric acid cleanup procedure before instrumental analysis, per EPA Method 3665A.

Samples W-1 SUMMIT LAKE L-1-SURFACE (240-82589-1), W-3 SUMMIT LAKE L-1-BOTTOM (240-82589-2), W-4 OHIO CANAL @ KENMORE BLVD (240-82589-3), W-4 OHIO CANAL @ KENMORE BLVD (240-82589-3[MS]), W-4 OHIO CANAL @ KENMORE BLVD (240-82589-3[MSD]) and W-5 OHIO CANAL @ SOUTH AVE (240-82589-4) required a tetrabutylammonium sulfite (TBA) clean-up to reduce matrix interferences caused by sulfur.

Job ID: 240-82589-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

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

CHLORINATED HERBICIDES

Samples W-1 SUMMIT LAKE L-1-SURFACE (240-82589-1), W-3 SUMMIT LAKE L-1-BOTTOM (240-82589-2), W-4 OHIO CANAL @ KENMORE BLVD (240-82589-3) and W-5 OHIO CANAL @ SOUTH AVE (240-82589-4) were analyzed for chlorinated herbicides in accordance with EPA SW-846 Method 8151A. The samples were prepared on 07/21/2017 and analyzed on 07/26/2017.

Surrogates are added during the extraction process prior to dilution. When the sample dilution is 5X or greater, surrogate recoveries are diluted out and no corrective action is required.

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

TOTAL RECOVERABLE METALS (ICP)

Samples W-1 SUMMIT LAKE L-1-SURFACE (240-82589-1), W-3 SUMMIT LAKE L-1-BOTTOM (240-82589-2), W-4 OHIO CANAL @ KENMORE BLVD (240-82589-3) and W-5 OHIO CANAL @ SOUTH AVE (240-82589-4) were analyzed for total recoverable metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were prepared on 07/21/2017 and analyzed on 07/26/2017.

Aluminum and Potassium were detected in method blank MB 240-288204/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

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

TOTAL MERCURY

Samples W-1 SUMMIT LAKE L-1-SURFACE (240-82589-1), W-3 SUMMIT LAKE L-1-BOTTOM (240-82589-2), W-4 OHIO CANAL @ KENMORE BLVD (240-82589-3) and W-5 OHIO CANAL @ SOUTH AVE (240-82589-4) were analyzed for total mercury in accordance with EPA SW-846 Methods 7470A. The samples were prepared on 07/21/2017 and analyzed on 07/24/2017.

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

ALKALINITY

Samples W-1 SUMMIT LAKE L-1-SURFACE (240-82589-1), W-3 SUMMIT LAKE L-1-BOTTOM (240-82589-2), W-4 OHIO CANAL @ KENMORE BLVD (240-82589-3) and W-5 OHIO CANAL @ SOUTH AVE (240-82589-4) were analyzed for alkalinity in accordance with SM 2320B. The samples were analyzed on 07/24/2017.

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

HARDNESS

Samples W-1 SUMMIT LAKE L-1-SURFACE (240-82589-1), W-4 OHIO CANAL @ KENMORE BLVD (240-82589-3) and W-5 OHIO CANAL @ SOUTH AVE (240-82589-4) were analyzed for hardness in accordance with SM 2340C. The samples were analyzed on 07/24/2017.

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

TOTAL DISSOLVED SOLIDS

Samples W-1 SUMMIT LAKE L-1-SURFACE (240-82589-1), W-3 SUMMIT LAKE L-1-BOTTOM (240-82589-2), W-4 OHIO CANAL @ KENMORE BLVD (240-82589-3) and W-5 OHIO CANAL @ SOUTH AVE (240-82589-4) were analyzed for total dissolved solids in accordance with SM 2540C. The samples were analyzed on 07/25/2017.

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

TOTAL SUSPENDED SOLIDS

Samples W-1 SUMMIT LAKE L-1-SURFACE (240-82589-1), W-3 SUMMIT LAKE L-1-BOTTOM (240-82589-2), W-4 OHIO CANAL @ KENMORE BLVD (240-82589-3) and W-5 OHIO CANAL @ SOUTH AVE (240-82589-4) were analyzed for total suspended solids in accordance with SM 2540D. The samples were analyzed on 07/25/2017.

Job ID: 240-82589-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

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

ANIONS

Samples W-1 SUMMIT LAKE L-1-SURFACE (240-82589-1), W-3 SUMMIT LAKE L-1-BOTTOM (240-82589-2), W-4 OHIO CANAL @ KENMORE BLVD (240-82589-3) and W-5 OHIO CANAL @ SOUTH AVE (240-82589-4) were analyzed for anions in accordance with EPA Method 300.0. The samples were analyzed on 07/24/2017.

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

AMMONIA

Samples W-1 SUMMIT LAKE L-1-SURFACE (240-82589-1), W-3 SUMMIT LAKE L-1-BOTTOM (240-82589-2), W-4 OHIO CANAL @ KENMORE BLVD (240-82589-3) and W-5 OHIO CANAL @ SOUTH AVE (240-82589-4) were analyzed for ammonia in accordance with EPA Method 350.1. The samples were analyzed on 07/25/2017.

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

TOTAL KJELDAHL NITROGEN

Samples W-1 SUMMIT LAKE L-1-SURFACE (240-82589-1), W-3 SUMMIT LAKE L-1-BOTTOM (240-82589-2), W-4 OHIO CANAL @ KENMORE BLVD (240-82589-3) and W-5 OHIO CANAL @ SOUTH AVE (240-82589-4) were analyzed for total kjeldahl nitrogen in accordance with EPA Method 351.2. The samples were prepared on 07/25/2017 and analyzed on 07/26/2017.

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

NITRATE-NITRITE AS NITROGEN

Samples W-1 SUMMIT LAKE L-1-SURFACE (240-82589-1), W-3 SUMMIT LAKE L-1-BOTTOM (240-82589-2), W-4 OHIO CANAL @ KENMORE BLVD (240-82589-3) and W-5 OHIO CANAL @ SOUTH AVE (240-82589-4) were analyzed for nitrate-nitrite as nitrogen in accordance with EPA Method 353.2. The samples were analyzed on 07/26/2017.

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

TOTAL PHOSPHORUS

Samples W-1 SUMMIT LAKE L-1-SURFACE (240-82589-1), W-3 SUMMIT LAKE L-1-BOTTOM (240-82589-2), W-4 OHIO CANAL @ KENMORE BLVD (240-82589-3) and W-5 OHIO CANAL @ SOUTH AVE (240-82589-4) were analyzed for total phosphorus in accordance with SM 4500 P E. The samples were analyzed on 07/26/2017.

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

ORTHOPHOSPHATE AS P

Samples W-1 SUMMIT LAKE L-1-SURFACE (240-82589-1), W-3 SUMMIT LAKE L-1-BOTTOM (240-82589-2), W-4 OHIO CANAL @ KENMORE BLVD (240-82589-3) and W-5 OHIO CANAL @ SOUTH AVE (240-82589-4) were analyzed for orthophosphate as P in accordance with SM 4500 P E. The samples were analyzed on 07/20/2017.

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

CHEMICAL OXYGEN DEMAND

Samples W-1 SUMMIT LAKE L-1-SURFACE (240-82589-1), W-3 SUMMIT LAKE L-1-BOTTOM (240-82589-2), W-4 OHIO CANAL @ KENMORE BLVD (240-82589-3) and W-5 OHIO CANAL @ SOUTH AVE (240-82589-4) were analyzed for chemical oxygen demand in accordance with SM 5220D. The samples were analyzed on 07/26/2017.

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

TOTAL ORGANIC CARBON

Samples W-1 SUMMIT LAKE L-1-SURFACE (240-82589-1), W-3 SUMMIT LAKE L-1-BOTTOM (240-82589-2), W-4 OHIO CANAL @ KENMORE BLVD (240-82589-3) and W-5 OHIO CANAL @ SOUTH AVE (240-82589-4) were analyzed for total organic carbon in accordance with SM 5310. The samples were analyzed on 07/21/2017.

Job ID: 240-82589-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

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

Method Summary

Client: EnviroScience Inc
Project/Site: Summit Lake Water Quality

TestAmerica Job ID: 240-82589-1

Method	Method Description	Protocol	Laboratory
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CAN
8081A	Organochlorine Pesticides (GC)	SW846	TAL CAN
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL CAN
8151A	Herbicides (GC)	SW846	TAL CAN
6010B	Metals (ICP)	SW846	TAL CAN
7470A	Mercury (CVAA)	SW846	TAL CAN
2320B-1997	Alkalinity, Total	SM	TAL CAN
2340C-1997	Hardness, Total	SM	TAL CAN
300.0	Anions, Ion Chromatography	MCAWW	TAL CAN
350.1	Nitrogen, Ammonia	MCAWW	TAL BUF
351.2	Nitrogen, Total Kjeldahl	MCAWW	TAL BUF
353.2	Nitrogen, Nitrate-Nitrite	MCAWW	TAL CAN
4500 P E-1999	Orthophosphate	SM	TAL CAN
5220D-1997	Chemical Oxygen Demand	SM	TAL CAN
5310C-2000	Total Organic Carbon/Persulfate - Ultrav	SM	TAL CAN
SM 2540C	Solids, Total Dissolved (TDS)	SM	TAL CAN
SM 2540D	Solids, Total Suspended (TSS)	SM	TAL CAN
SM 4500 P E	Phosphorus	SM	TAL BUF

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.
SM = "Standard Methods For The Examination Of Water And Wastewater",
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
TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Sample Summary

Client: EnviroScience Inc
Project/Site: Summit Lake Water Quality

TestAmerica Job ID: 240-82589-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-82589-1	W-1 SUMMIT LAKE L-1-SURFACE	Water	07/19/17 13:15	07/20/17 10:45
240-82589-2	W-3 SUMMIT LAKE L-1-BOTTOM	Water	07/19/17 13:00	07/20/17 10:45
240-82589-3	W-4 OHIO CANAL @ KENMORE BLVD	Water	07/19/17 11:05	07/20/17 10:45
240-82589-4	W-5 OHIO CANAL @ SOUTH AVE	Water	07/19/17 13:55	07/20/17 10:45

Detection Summary

Client: EnviroScience Inc
Project/Site: Summit Lake Water Quality

TestAmerica Job ID: 240-82589-1

Client Sample ID: W-1 SUMMIT LAKE L-1-SURFACE — Lab Sample ID: 240-82589-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	3.3	J	10	3.3	ug/L	1		6010B	Total Recoverable
Barium	50	J	200	2.4	ug/L	1		6010B	Total Recoverable
Calcium	48000		5000	710	ug/L	1		6010B	Total Recoverable
Iron	45	J	100	25	ug/L	1		6010B	Total Recoverable
Magnesium	14000		5000	230	ug/L	1		6010B	Total Recoverable
Manganese	35		15	5.1	ug/L	1		6010B	Total Recoverable
Potassium	3200	J B	5000	70	ug/L	1		6010B	Total Recoverable
Sodium	75000		5000	330	ug/L	1		6010B	Total Recoverable
Strontium	180		50	9.0	ug/L	1		6010B	Total Recoverable
Alkalinity	120		5.0	2.6	mg/L	1		2320B-1997	Total/NA
Hardness as calcium carbonate	200		5.0	2.4	mg/L	1		2340C-1997	Total/NA
Chloride	130		1.0	0.28	mg/L	1		300.0	Total/NA
Sulfate	36		1.0	0.35	mg/L	1		300.0	Total/NA
Total Kjeldahl Nitrogen	0.73		0.20	0.15	mg/L	1		351.2	Total/NA
Chemical Oxygen Demand	25		10	4.1	mg/L	1		5220D-1997	Total/NA
Total Organic Carbon	3.3		1.0	0.14	mg/L	1		5310C-2000	Total/NA
Total Dissolved Solids	390		10	7.8	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	5.0		4.0	2.2	mg/L	1		SM 2540D	Total/NA
Phosphorus	0.041		0.010	0.0050	mg/L	1		SM 4500 P E	Total/NA
Phosphorus as PO4	0.13		0.031	0.015	mg/L	1		SM 4500 P E	Total/NA

Client Sample ID: W-3 SUMMIT LAKE L-1-BOTTOM — Lab Sample ID: 240-82589-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	4.4	J	10	3.3	ug/L	1		6010B	Total Recoverable
Barium	89	J	200	2.4	ug/L	1		6010B	Total Recoverable
Calcium	63000		5000	710	ug/L	1		6010B	Total Recoverable
Iron	320		100	25	ug/L	1		6010B	Total Recoverable
Magnesium	14000		5000	230	ug/L	1		6010B	Total Recoverable
Manganese	1800		15	5.1	ug/L	1		6010B	Total Recoverable
Nickel	1.6	J	40	1.6	ug/L	1		6010B	Total Recoverable
Potassium	3300	J B	5000	70	ug/L	1		6010B	Total Recoverable
Sodium	110000		5000	330	ug/L	1		6010B	Total Recoverable
Strontium	210		50	9.0	ug/L	1		6010B	Total Recoverable
Alkalinity	170		5.0	2.6	mg/L	1		2320B-1997	Total/NA
Chloride	180		1.0	0.28	mg/L	1		300.0	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: W-3 SUMMIT LAKE L-1-BOTTOM (Continued)

Lab Sample ID: 240-82589-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	35		1.0	0.35	mg/L	1		300.0	Total/NA
Ammonia	1.6		0.020	0.0090	mg/L	1		350.1	Total/NA
Total Kjeldahl Nitrogen	2.1		0.20	0.15	mg/L	1		351.2	Total/NA
Orthophosphate as P	0.36		0.10	0.040	mg/L	1		4500 P E-1999	Total/NA
Chemical Oxygen Demand	22		10	4.1	mg/L	1		5220D-1997	Total/NA
Total Organic Carbon	3.7		1.0	0.14	mg/L	1		5310C-2000	Total/NA
Total Dissolved Solids	490		10	7.8	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	4.0		4.0	2.2	mg/L	1		SM 2540D	Total/NA
Phosphorus	0.30		0.010	0.0050	mg/L	1		SM 4500 P E	Total/NA
Phosphorus as PO4	0.90		0.031	0.015	mg/L	1		SM 4500 P E	Total/NA

Client Sample ID: W-4 OHIO CANAL @ KENMORE BLVD

Lab Sample ID: 240-82589-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	130	J B	200	40	ug/L	1		6010B	Total Recoverable
Arsenic	4.2	J	10	3.3	ug/L	1		6010B	Total Recoverable
Barium	66	J	200	2.4	ug/L	1		6010B	Total Recoverable
Calcium	56000		5000	710	ug/L	1		6010B	Total Recoverable
Iron	390		100	25	ug/L	1		6010B	Total Recoverable
Magnesium	15000		5000	230	ug/L	1		6010B	Total Recoverable
Manganese	110		15	5.1	ug/L	1		6010B	Total Recoverable
Potassium	3300	J B	5000	70	ug/L	1		6010B	Total Recoverable
Sodium	74000		5000	330	ug/L	1		6010B	Total Recoverable
Strontium	170		50	9.0	ug/L	1		6010B	Total Recoverable
Alkalinity	140		5.0	2.6	mg/L	1		2320B-1997	Total/NA
Hardness as calcium carbonate	250		5.0	2.4	mg/L	1		2340C-1997	Total/NA
Chloride	130		1.0	0.28	mg/L	1		300.0	Total/NA
Sulfate	38		1.0	0.35	mg/L	1		300.0	Total/NA
Ammonia	0.099		0.020	0.0090	mg/L	1		350.1	Total/NA
Total Kjeldahl Nitrogen	0.71		0.20	0.15	mg/L	1		351.2	Total/NA
Nitrate Nitrite as N	0.16		0.050	0.031	mg/L	1		353.2	Total/NA
Orthophosphate as P	0.060	J	0.10	0.040	mg/L	1		4500 P E-1999	Total/NA
Chemical Oxygen Demand	29		10	4.1	mg/L	1		5220D-1997	Total/NA
Total Organic Carbon	3.6		1.0	0.14	mg/L	1		5310C-2000	Total/NA
Total Dissolved Solids	410		10	7.8	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	10		4.0	2.2	mg/L	1		SM 2540D	Total/NA
Phosphorus	0.072		0.010	0.0050	mg/L	1		SM 4500 P E	Total/NA
Phosphorus as PO4	0.22		0.031	0.015	mg/L	1		SM 4500 P E	Total/NA

Client Sample ID: W-5 OHIO CANAL @ SOUTH AVE

Lab Sample ID: 240-82589-4

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: EnviroScience Inc
Project/Site: Summit Lake Water Quality

TestAmerica Job ID: 240-82589-1

Client Sample ID: W-5 OHIO CANAL @ SOUTH AVE (Continued)

Lab Sample ID: 240-82589-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]pyrene	0.17	J B	0.19	0.049	ug/L	1		8270C	Total/NA
Arsenic	4.6	J	10	3.3	ug/L	1		6010B	Total Recoverable
Barium	49	J	200	2.4	ug/L	1		6010B	Total Recoverable
Calcium	45000		5000	710	ug/L	1		6010B	Total Recoverable
Iron	47	J	100	25	ug/L	1		6010B	Total Recoverable
Magnesium	14000		5000	230	ug/L	1		6010B	Total Recoverable
Manganese	52		15	5.1	ug/L	1		6010B	Total Recoverable
Potassium	3100	J B	5000	70	ug/L	1		6010B	Total Recoverable
Sodium	73000		5000	330	ug/L	1		6010B	Total Recoverable
Strontium	170		50	9.0	ug/L	1		6010B	Total Recoverable
Alkalinity	120		5.0	2.6	mg/L	1		2320B-1997	Total/NA
Hardness as calcium carbonate	200		5.0	2.4	mg/L	1		2340C-1997	Total/NA
Chloride	130		1.0	0.28	mg/L	1		300.0	Total/NA
Sulfate	36		1.0	0.35	mg/L	1		300.0	Total/NA
Ammonia	0.071		0.020	0.0090	mg/L	1		350.1	Total/NA
Total Kjeldahl Nitrogen	0.69		0.20	0.15	mg/L	1		351.2	Total/NA
Chemical Oxygen Demand	26		10	4.1	mg/L	1		5220D-1997	Total/NA
Total Organic Carbon	3.5		1.0	0.14	mg/L	1		5310C-2000	Total/NA
Total Dissolved Solids	380		10	7.8	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	4.0		4.0	2.2	mg/L	1		SM 2540D	Total/NA
Phosphorus	0.043		0.010	0.0050	mg/L	1		SM 4500 P E	Total/NA
Phosphorus as PO4	0.13		0.031	0.015	mg/L	1		SM 4500 P E	Total/NA

This Detection Summary does not include radiochemical test results.

Client: EnviroScience Inc
Project/Site: Summit Lake Water Quality

TestAmerica Job ID: 240-82589-1

Client Sample ID: W-1 SUMMIT LAKE L-1-SURFACE
Date Collected: 07/19/17 13:15
Date Received: 07/20/17 10:45

Lab Sample ID: 240-82589-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.042	ug/L		07/21/17 08:33	07/25/17 17:09	1
Acenaphthylene	ND		0.19	0.046	ug/L		07/21/17 08:33	07/25/17 17:09	1
Acetophenone	ND		0.95	0.32	ug/L		07/21/17 08:33	07/25/17 17:09	1
Anthracene	ND		0.19	0.084	ug/L		07/21/17 08:33	07/25/17 17:09	1
Benzo[a]anthracene	ND		0.19	0.028	ug/L		07/21/17 08:33	07/25/17 17:09	1
Benzo[a]pyrene	ND		0.19	0.049	ug/L		07/21/17 08:33	07/25/17 17:09	1
Benzo[b]fluoranthene	ND		0.19	0.038	ug/L		07/21/17 08:33	07/25/17 17:09	1
Benzo[g,h,i]perylene	ND		0.19	0.044	ug/L		07/21/17 08:33	07/25/17 17:09	1
Benzo[k]fluoranthene	ND		0.19	0.043	ug/L		07/21/17 08:33	07/25/17 17:09	1
Bis(2-chloroethoxy)methane	ND		0.95	0.30	ug/L		07/21/17 08:33	07/25/17 17:09	1
Bis(2-chloroethyl)ether	ND		0.95	0.095	ug/L		07/21/17 08:33	07/25/17 17:09	1
bis (2-chloroisopropyl) ether	ND		0.95	0.38	ug/L		07/21/17 08:33	07/25/17 17:09	1
Bis(2-ethylhexyl) phthalate	ND		4.8	1.6	ug/L		07/21/17 08:33	07/25/17 17:09	1
4-Bromophenyl phenyl ether	ND		1.9	0.21	ug/L		07/21/17 08:33	07/25/17 17:09	1
Butyl benzyl phthalate	ND		1.9	0.25	ug/L		07/21/17 08:33	07/25/17 17:09	1
4-Chloroaniline	ND		1.9	0.20	ug/L		07/21/17 08:33	07/25/17 17:09	1
4-Chloro-3-methylphenol	ND		1.9	0.20	ug/L		07/21/17 08:33	07/25/17 17:09	1
2-Chloronaphthalene	ND		0.95	0.095	ug/L		07/21/17 08:33	07/25/17 17:09	1
2-Chlorophenol	ND		0.95	0.28	ug/L		07/21/17 08:33	07/25/17 17:09	1
4-Chlorophenyl phenyl ether	ND		1.9	0.29	ug/L		07/21/17 08:33	07/25/17 17:09	1
Chrysene	ND		0.19	0.048	ug/L		07/21/17 08:33	07/25/17 17:09	1
Dibenz(a,h)anthracene	ND		0.19	0.042	ug/L		07/21/17 08:33	07/25/17 17:09	1
Dibenzofuran	ND		0.95	0.019	ug/L		07/21/17 08:33	07/25/17 17:09	1
3,3'-Dichlorobenzidine	ND		4.8	0.35	ug/L		07/21/17 08:33	07/25/17 17:09	1
2,4-Dichlorophenol	ND		1.9	0.18	ug/L		07/21/17 08:33	07/25/17 17:09	1
Diethyl phthalate	ND		1.9	0.57	ug/L		07/21/17 08:33	07/25/17 17:09	1
2,4-Dimethylphenol	ND		1.9	0.24	ug/L		07/21/17 08:33	07/25/17 17:09	1
Dimethyl phthalate	ND		1.9	0.28	ug/L		07/21/17 08:33	07/25/17 17:09	1
Di-n-butyl phthalate	ND		4.8	1.6	ug/L		07/21/17 08:33	07/25/17 17:09	1
4,6-Dinitro-2-methylphenol	ND		4.8	2.3	ug/L		07/21/17 08:33	07/25/17 17:09	1
2,4-Dinitrophenol	ND		4.8	0.30	ug/L		07/21/17 08:33	07/25/17 17:09	1
2,4-Dinitrotoluene	ND		4.8	0.24	ug/L		07/21/17 08:33	07/25/17 17:09	1
2,6-Dinitrotoluene	ND		4.8	0.76	ug/L		07/21/17 08:33	07/25/17 17:09	1
Di-n-octyl phthalate	ND		1.9	0.22	ug/L		07/21/17 08:33	07/25/17 17:09	1
Fluoranthene	ND		0.19	0.042	ug/L		07/21/17 08:33	07/25/17 17:09	1
Fluorene	ND		0.19	0.039	ug/L		07/21/17 08:33	07/25/17 17:09	1
Hexachlorobenzene	ND		0.19	0.081	ug/L		07/21/17 08:33	07/25/17 17:09	1
Hexachlorobutadiene	ND		0.95	0.26	ug/L		07/21/17 08:33	07/25/17 17:09	1
Hexachlorocyclopentadiene	ND		9.5	0.23	ug/L		07/21/17 08:33	07/25/17 17:09	1
Hexachloroethane	ND		0.95	0.18	ug/L		07/21/17 08:33	07/25/17 17:09	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.041	ug/L		07/21/17 08:33	07/25/17 17:09	1
Isophorone	ND		0.95	0.26	ug/L		07/21/17 08:33	07/25/17 17:09	1
2-Methylnaphthalene	ND		0.19	0.086	ug/L		07/21/17 08:33	07/25/17 17:09	1
2-Methylphenol	ND		0.95	0.16	ug/L		07/21/17 08:33	07/25/17 17:09	1
3 & 4 Methylphenol	ND		1.9	0.76	ug/L		07/21/17 08:33	07/25/17 17:09	1
Naphthalene	ND		0.19	0.060	ug/L		07/21/17 08:33	07/25/17 17:09	1
2-Nitroaniline	ND		1.9	0.20	ug/L		07/21/17 08:33	07/25/17 17:09	1
3-Nitroaniline	ND		1.9	0.27	ug/L		07/21/17 08:33	07/25/17 17:09	1
4-Nitroaniline	ND		1.9	0.21	ug/L		07/21/17 08:33	07/25/17 17:09	1

Client Sample ID: W-1 SUMMIT LAKE L-1-SURFACE **Lab Sample ID: 240-82589-1**
Date Collected: 07/19/17 13:15 **Matrix: Water**
Date Received: 07/20/17 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	ND		0.95	0.038	ug/L		07/21/17 08:33	07/25/17 17:09	1
2-Nitrophenol	ND		1.9	0.27	ug/L		07/21/17 08:33	07/25/17 17:09	1
4-Nitrophenol	ND		4.8	0.28	ug/L		07/21/17 08:33	07/25/17 17:09	1
N-Nitrosodi-n-propylamine	ND		0.95	0.23	ug/L		07/21/17 08:33	07/25/17 17:09	1
N-Nitrosodiphenylamine	ND		0.95	0.30	ug/L		07/21/17 08:33	07/25/17 17:09	1
Pentachlorophenol	ND		4.8	0.26	ug/L		07/21/17 08:33	07/25/17 17:09	1
Phenanthrene	ND		0.19	0.059	ug/L		07/21/17 08:33	07/25/17 17:09	1
Phenol	ND		0.95	0.57	ug/L		07/21/17 08:33	07/25/17 17:09	1
Pyrene	ND		0.19	0.040	ug/L		07/21/17 08:33	07/25/17 17:09	1
2,4,5-Trichlorophenol	ND		4.8	0.29	ug/L		07/21/17 08:33	07/25/17 17:09	1
2,4,6-Trichlorophenol	ND		4.8	0.23	ug/L		07/21/17 08:33	07/25/17 17:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*65*		*38 - 120*	*07/21/17 08:33*	*07/25/17 17:09*	*1*
2-Fluorophenol (Surr)	*41*		*10 - 120*	*07/21/17 08:33*	*07/25/17 17:09*	*1*
Nitrobenzene-d5 (Surr)	*67*		*32 - 120*	*07/21/17 08:33*	*07/25/17 17:09*	*1*
Phenol-d5 (Surr)	*24*		*10 - 120*	*07/21/17 08:33*	*07/25/17 17:09*	*1*
Terphenyl-d14 (Surr)	*68*		*23 - 127*	*07/21/17 08:33*	*07/25/17 17:09*	*1*
2,4,6-Tribromophenol (Surr)	*66*		*28 - 120*	*07/21/17 08:33*	*07/25/17 17:09*	*1*

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.49	0.13	ug/L		07/21/17 09:17	07/27/17 13:38	10
alpha-BHC	ND		0.49	0.14	ug/L		07/21/17 09:17	07/27/17 13:38	10
alpha-Chlordane	ND		0.49	0.12	ug/L		07/21/17 09:17	07/27/17 13:38	10
beta-BHC	ND		0.49	0.18	ug/L		07/21/17 09:17	07/27/17 13:38	10
4,4'-DDD	ND		0.49	0.18	ug/L		07/21/17 09:17	07/27/17 13:38	10
4,4'-DDE	ND		0.49	0.12	ug/L		07/21/17 09:17	07/27/17 13:38	10
4,4'-DDT	ND		0.49	0.17	ug/L		07/21/17 09:17	07/27/17 13:38	10
delta-BHC	ND		0.49	0.28	ug/L		07/21/17 09:17	07/27/17 13:38	10
Dieldrin	ND		0.49	0.13	ug/L		07/21/17 09:17	07/27/17 13:38	10
Endosulfan I	ND		0.49	0.16	ug/L		07/21/17 09:17	07/27/17 13:38	10
Endosulfan II	ND		0.49	0.15	ug/L		07/21/17 09:17	07/27/17 13:38	10
Endosulfan sulfate	ND		0.49	0.15	ug/L		07/21/17 09:17	07/27/17 13:38	10
Endrin	ND		0.49	0.13	ug/L		07/21/17 09:17	07/27/17 13:38	10
Endrin aldehyde	ND		0.49	0.18	ug/L		07/21/17 09:17	07/27/17 13:38	10
Endrin ketone	ND		0.49	0.16	ug/L		07/21/17 09:17	07/27/17 13:38	10
gamma-BHC (Lindane)	ND		0.49	0.13	ug/L		07/21/17 09:17	07/27/17 13:38	10
gamma-Chlordane	ND		0.49	0.13	ug/L		07/21/17 09:17	07/27/17 13:38	10
Heptachlor	ND		0.49	0.14	ug/L		07/21/17 09:17	07/27/17 13:38	10
Heptachlor epoxide	ND		0.49	0.15	ug/L		07/21/17 09:17	07/27/17 13:38	10
Methoxychlor	ND		0.98	0.13	ug/L		07/21/17 09:17	07/27/17 13:38	10
Toxaphene	ND		20	1.9	ug/L		07/21/17 09:17	07/27/17 13:38	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*111*		*10 - 120*	*07/21/17 09:17*	*07/27/17 13:38*	*10*
DCB Decachlorobiphenyl	*113*		*10 - 120*	*07/21/17 09:17*	*07/27/17 13:38*	*10*
Tetrachloro-m-xylene	*171*	*X*	*33 - 120*	*07/21/17 09:17*	*07/27/17 13:38*	*10*
Tetrachloro-m-xylene	*151*	*X*	*33 - 120*	*07/21/17 09:17*	*07/27/17 13:38*	*10*

Client: EnviroScience Inc
Project/Site: Summit Lake Water Quality

TestAmerica Job ID: 240-82589-1

Client Sample ID: W-1 SUMMIT LAKE L-1-SURFACE

Lab Sample ID: 240-82589-1
Date Collected: 07/19/17 13:15
Matrix: Water
Date Received: 07/20/17 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		0.099	0.050	ug/L		07/26/17 10:27	07/28/17 11:24	1
Aroclor-1221	ND		0.099	0.089	ug/L		07/26/17 10:27	07/28/17 11:24	1
Aroclor-1232	ND		0.099	0.069	ug/L		07/26/17 10:27	07/28/17 11:24	1
Aroclor-1242	ND		0.099	0.059	ug/L		07/26/17 10:27	07/28/17 11:24	1
Aroclor-1248	ND		0.099	0.050	ug/L		07/26/17 10:27	07/28/17 11:24	1
Aroclor-1254	ND		0.099	0.030	ug/L		07/26/17 10:27	07/28/17 11:24	1
Aroclor-1260	ND		0.099	0.040	ug/L		07/26/17 10:27	07/28/17 11:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*61*		*21 - 120*	*07/26/17 10:27*	*07/28/17 11:24*	*1*
DCB Decachlorobiphenyl	*55*		*10 - 120*	*07/26/17 10:27*	*07/28/17 11:24*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	ND		4.0	1.1	ug/L		07/21/17 08:41	07/26/17 01:10	1
Silvex (2,4,5-TP)	ND		1.0	0.20	ug/L		07/21/17 08:41	07/26/17 01:10	1
2,4,5-T	ND		1.0	0.24	ug/L		07/21/17 08:41	07/26/17 01:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*73*		*38 - 120*	*07/21/17 08:41*	*07/26/17 01:10*	*1*
2,4-Dichlorophenylacetic acid	*79*		*38 - 120*	*07/21/17 08:41*	*07/26/17 01:10*	*1*

Method: 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		200	40	ug/L		07/21/17 14:00	07/26/17 00:48	1
Arsenic	**3.3**	**J**	10	3.3	ug/L		07/21/17 14:00	07/26/17 00:48	1
Barium	**50**	**J**	200	2.4	ug/L		07/21/17 14:00	07/26/17 00:48	1
Cadmium	ND		2.0	0.29	ug/L		07/21/17 14:00	07/26/17 00:48	1
Calcium	**48000**		5000	710	ug/L		07/21/17 14:00	07/26/17 00:48	1
Chromium	ND		5.0	0.55	ug/L		07/21/17 14:00	07/26/17 00:48	1
Copper	ND		25	3.9	ug/L		07/21/17 14:00	07/26/17 00:48	1
Iron	**45**	**J**	100	25	ug/L		07/21/17 14:00	07/26/17 00:48	1
Lead	ND		5.0	1.9	ug/L		07/21/17 14:00	07/26/17 00:48	1
Magnesium	**14000**		5000	230	ug/L		07/21/17 14:00	07/26/17 00:48	1
Manganese	**35**		15	5.1	ug/L		07/21/17 14:00	07/26/17 00:48	1
Nickel	ND		40	1.6	ug/L		07/21/17 14:00	07/26/17 00:48	1
Potassium	**3200**	**J B**	5000	70	ug/L		07/21/17 14:00	07/26/17 00:48	1
Selenium	ND		15	5.1	ug/L		07/21/17 14:00	07/26/17 00:48	1
Sodium	**75000**		5000	330	ug/L		07/21/17 14:00	07/26/17 00:48	1
Strontium	**180**		50	9.0	ug/L		07/21/17 14:00	07/26/17 00:48	1
Zinc	ND		50	16	ug/L		07/21/17 14:00	07/26/17 00:48	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.13	ug/L		07/21/17 14:00	07/24/17 15:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**120**		5.0	2.6	mg/L			07/24/17 18:11	1
Hardness as calcium carbonate	**200**		5.0	2.4	mg/L			07/24/17 11:49	1
Chloride	**130**		1.0	0.28	mg/L			07/24/17 20:05	1

Client: EnviroScience Inc
Project/Site: Summit Lake Water Quality

TestAmerica Job ID: 240-82589-1

Client Sample ID: W-1 SUMMIT LAKE L-1-SURFACE — **Lab Sample ID: 240-82589-1**
Date Collected: 07/19/17 13:15 — **Matrix: Water**
Date Received: 07/20/17 10:45

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**36**		1.0	0.35	mg/L			07/24/17 20:05	1
Ammonia	ND		0.020	0.0090	mg/L			07/25/17 11:25	1
Total Kjeldahl Nitrogen	**0.73**		0.20	0.15	mg/L		07/25/17 16:40	07/26/17 09:41	1
Nitrate Nitrite as N	ND		0.050	0.031	mg/L			07/26/17 15:01	1
Orthophosphate as P	ND		0.10	0.040	mg/L			07/20/17 16:12	1
Chemical Oxygen Demand	**25**		10	4.1	mg/L			07/26/17 10:37	1
Total Organic Carbon	**3.3**		1.0	0.14	mg/L			07/21/17 09:59	1
Total Dissolved Solids	**390**		10	7.8	mg/L			07/25/17 14:52	1
Total Suspended Solids	**5.0**		4.0	2.2	mg/L			07/25/17 11:38	1
Phosphorus	**0.041**		0.010	0.0050	mg/L			07/26/17 09:55	1
Phosphorus as PO4	**0.13**		0.031	0.015	mg/L			07/26/17 09:55	1

Client: EnviroScience Inc
Project/Site: Summit Lake Water Quality

TestAmerica Job ID: 240-82589-1

Client Sample ID: W-3 SUMMIT LAKE L-1-BOTTOM — **Lab Sample ID: 240-82589-2**
Date Collected: 07/19/17 13:00 — **Matrix: Water**
Date Received: 07/20/17 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.043	ug/L		07/21/17 08:33	07/25/17 16:46	1
Acenaphthylene	ND		0.20	0.047	ug/L		07/21/17 08:33	07/25/17 16:46	1
Acetophenone	ND		0.98	0.33	ug/L		07/21/17 08:33	07/25/17 16:46	1
Anthracene	ND		0.20	0.086	ug/L		07/21/17 08:33	07/25/17 16:46	1
Benzo[a]anthracene	ND		0.20	0.029	ug/L		07/21/17 08:33	07/25/17 16:46	1
Benzo[a]pyrene	ND		0.20	0.050	ug/L		07/21/17 08:33	07/25/17 16:46	1
Benzo[b]fluoranthene	ND		0.20	0.039	ug/L		07/21/17 08:33	07/25/17 16:46	1
Benzo[g,h,i]perylene	ND		0.20	0.045	ug/L		07/21/17 08:33	07/25/17 16:46	1
Benzo[k]fluoranthene	ND		0.20	0.044	ug/L		07/21/17 08:33	07/25/17 16:46	1
Bis(2-chloroethoxy)methane	ND		0.98	0.31	ug/L		07/21/17 08:33	07/25/17 16:46	1
Bis(2-chloroethyl)ether	ND		0.98	0.098	ug/L		07/21/17 08:33	07/25/17 16:46	1
bis (2-chloroisopropyl) ether	ND		0.98	0.39	ug/L		07/21/17 08:33	07/25/17 16:46	1
Bis(2-ethylhexyl) phthalate	ND		4.9	1.7	ug/L		07/21/17 08:33	07/25/17 16:46	1
4-Bromophenyl phenyl ether	ND		2.0	0.22	ug/L		07/21/17 08:33	07/25/17 16:46	1
Butyl benzyl phthalate	ND		2.0	0.25	ug/L		07/21/17 08:33	07/25/17 16:46	1
4-Chloroaniline	ND		2.0	0.21	ug/L		07/21/17 08:33	07/25/17 16:46	1
4-Chloro-3-methylphenol	ND		2.0	0.21	ug/L		07/21/17 08:33	07/25/17 16:46	1
2-Chloronaphthalene	ND		0.98	0.098	ug/L		07/21/17 08:33	07/25/17 16:46	1
2-Chlorophenol	ND		0.98	0.28	ug/L		07/21/17 08:33	07/25/17 16:46	1
4-Chlorophenyl phenyl ether	ND		2.0	0.29	ug/L		07/21/17 08:33	07/25/17 16:46	1
Chrysene	ND		0.20	0.049	ug/L		07/21/17 08:33	07/25/17 16:46	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		07/21/17 08:33	07/25/17 16:46	1
Dibenzofuran	ND		0.98	0.020	ug/L		07/21/17 08:33	07/25/17 16:46	1
3,3'-Dichlorobenzidine	ND		4.9	0.36	ug/L		07/21/17 08:33	07/25/17 16:46	1
2,4-Dichlorophenol	ND		2.0	0.19	ug/L		07/21/17 08:33	07/25/17 16:46	1
Diethyl phthalate	ND		2.0	0.59	ug/L		07/21/17 08:33	07/25/17 16:46	1
2,4-Dimethylphenol	ND		2.0	0.25	ug/L		07/21/17 08:33	07/25/17 16:46	1
Dimethyl phthalate	ND		2.0	0.28	ug/L		07/21/17 08:33	07/25/17 16:46	1
Di-n-butyl phthalate	ND		4.9	1.7	ug/L		07/21/17 08:33	07/25/17 16:46	1
4,6-Dinitro-2-methylphenol	ND		4.9	2.4	ug/L		07/21/17 08:33	07/25/17 16:46	1
2,4-Dinitrophenol	ND		4.9	0.31	ug/L		07/21/17 08:33	07/25/17 16:46	1
2,4-Dinitrotoluene	ND		4.9	0.25	ug/L		07/21/17 08:33	07/25/17 16:46	1
2,6-Dinitrotoluene	ND		4.9	0.78	ug/L		07/21/17 08:33	07/25/17 16:46	1
Di-n-octyl phthalate	ND		2.0	0.23	ug/L		07/21/17 08:33	07/25/17 16:46	1
Fluoranthene	ND		0.20	0.044	ug/L		07/21/17 08:33	07/25/17 16:46	1
Fluorene	ND		0.20	0.040	ug/L		07/21/17 08:33	07/25/17 16:46	1
Hexachlorobenzene	ND		0.20	0.084	ug/L		07/21/17 08:33	07/25/17 16:46	1
Hexachlorobutadiene	ND		0.98	0.26	ug/L		07/21/17 08:33	07/25/17 16:46	1
Hexachlorocyclopentadiene	ND		9.8	0.24	ug/L		07/21/17 08:33	07/25/17 16:46	1
Hexachloroethane	ND		0.98	0.19	ug/L		07/21/17 08:33	07/25/17 16:46	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.042	ug/L		07/21/17 08:33	07/25/17 16:46	1
Isophorone	ND		0.98	0.26	ug/L		07/21/17 08:33	07/25/17 16:46	1
2-Methylnaphthalene	ND		0.20	0.089	ug/L		07/21/17 08:33	07/25/17 16:46	1
2-Methylphenol	ND		0.98	0.17	ug/L		07/21/17 08:33	07/25/17 16:46	1
3 & 4 Methylphenol	ND		2.0	0.78	ug/L		07/21/17 08:33	07/25/17 16:46	1
Naphthalene	ND		0.20	0.061	ug/L		07/21/17 08:33	07/25/17 16:46	1
2-Nitroaniline	ND		2.0	0.21	ug/L		07/21/17 08:33	07/25/17 16:46	1
3-Nitroaniline	ND		2.0	0.27	ug/L		07/21/17 08:33	07/25/17 16:46	1
4-Nitroaniline	ND		2.0	0.22	ug/L		07/21/17 08:33	07/25/17 16:46	1

Client Sample ID: W-3 SUMMIT LAKE L-1-BOTTOM

Lab Sample ID: 240-82589-2

Date Collected: 07/19/17 13:00

Matrix: Water

Date Received: 07/20/17 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	ND		0.98	0.039	ug/L		07/21/17 08:33	07/25/17 16:46	1
2-Nitrophenol	ND		2.0	0.27	ug/L		07/21/17 08:33	07/25/17 16:46	1
4-Nitrophenol	ND		4.9	0.28	ug/L		07/21/17 08:33	07/25/17 16:46	1
N-Nitrosodi-n-propylamine	ND		0.98	0.24	ug/L		07/21/17 08:33	07/25/17 16:46	1
N-Nitrosodiphenylamine	ND		0.98	0.30	ug/L		07/21/17 08:33	07/25/17 16:46	1
Pentachlorophenol	ND		4.9	0.26	ug/L		07/21/17 08:33	07/25/17 16:46	1
Phenanthrene	ND		0.20	0.061	ug/L		07/21/17 08:33	07/25/17 16:46	1
Phenol	ND		0.98	0.59	ug/L		07/21/17 08:33	07/25/17 16:46	1
Pyrene	ND		0.20	0.041	ug/L		07/21/17 08:33	07/25/17 16:46	1
2,4,5-Trichlorophenol	ND		4.9	0.29	ug/L		07/21/17 08:33	07/25/17 16:46	1
2,4,6-Trichlorophenol	ND		4.9	0.24	ug/L		07/21/17 08:33	07/25/17 16:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*69*		*38 - 120*	*07/21/17 08:33*	*07/25/17 16:46*	*1*
2-Fluorophenol (Surr)	*41*		*10 - 120*	*07/21/17 08:33*	*07/25/17 16:46*	*1*
Nitrobenzene-d5 (Surr)	*72*		*32 - 120*	*07/21/17 08:33*	*07/25/17 16:46*	*1*
Phenol-d5 (Surr)	*24*		*10 - 120*	*07/21/17 08:33*	*07/25/17 16:46*	*1*
Terphenyl-d14 (Surr)	*80*		*23 - 127*	*07/21/17 08:33*	*07/25/17 16:46*	*1*
2,4,6-Tribromophenol (Surr)	*71*		*28 - 120*	*07/21/17 08:33*	*07/25/17 16:46*	*1*

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.97	0.25	ug/L		07/21/17 09:17	07/27/17 13:50	20
alpha-BHC	ND		0.97	0.27	ug/L		07/21/17 09:17	07/27/17 13:50	20
alpha-Chlordane	ND		0.97	0.23	ug/L		07/21/17 09:17	07/27/17 13:50	20
beta-BHC	ND		0.97	0.35	ug/L		07/21/17 09:17	07/27/17 13:50	20
4,4'-DDD	ND		0.97	0.35	ug/L		07/21/17 09:17	07/27/17 13:50	20
4,4'-DDE	ND		0.97	0.23	ug/L		07/21/17 09:17	07/27/17 13:50	20
4,4'-DDT	ND		0.97	0.33	ug/L		07/21/17 09:17	07/27/17 13:50	20
delta-BHC	ND		0.97	0.56	ug/L		07/21/17 09:17	07/27/17 13:50	20
Dieldrin	ND		0.97	0.25	ug/L		07/21/17 09:17	07/27/17 13:50	20
Endosulfan I	ND		0.97	0.31	ug/L		07/21/17 09:17	07/27/17 13:50	20
Endosulfan II	ND		0.97	0.29	ug/L		07/21/17 09:17	07/27/17 13:50	20
Endosulfan sulfate	ND		0.97	0.29	ug/L		07/21/17 09:17	07/27/17 13:50	20
Endrin	ND		0.97	0.25	ug/L		07/21/17 09:17	07/27/17 13:50	20
Endrin aldehyde	ND		0.97	0.35	ug/L		07/21/17 09:17	07/27/17 13:50	20
Endrin ketone	ND		0.97	0.31	ug/L		07/21/17 09:17	07/27/17 13:50	20
gamma-BHC (Lindane)	ND		0.97	0.25	ug/L		07/21/17 09:17	07/27/17 13:50	20
gamma-Chlordane	ND		0.97	0.25	ug/L		07/21/17 09:17	07/27/17 13:50	20
Heptachlor	ND		0.97	0.27	ug/L		07/21/17 09:17	07/27/17 13:50	20
Heptachlor epoxide	ND		0.97	0.29	ug/L		07/21/17 09:17	07/27/17 13:50	20
Methoxychlor	ND		1.9	0.25	ug/L		07/21/17 09:17	07/27/17 13:50	20
Toxaphene	ND		39	3.8	ug/L		07/21/17 09:17	07/27/17 13:50	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*194*	*X*	*10 - 120*	*07/21/17 09:17*	*07/27/17 13:50*	*20*
DCB Decachlorobiphenyl	*190*	*X*	*10 - 120*	*07/21/17 09:17*	*07/27/17 13:50*	*20*
Tetrachloro-m-xylene	*189*	*X*	*33 - 120*	*07/21/17 09:17*	*07/27/17 13:50*	*20*
Tetrachloro-m-xylene	*234*	*X*	*33 - 120*	*07/21/17 09:17*	*07/27/17 13:50*	*20*

Client Sample ID: W-3 SUMMIT LAKE L-1-BOTTOM

Lab Sample ID: 240-82589-2

Date Collected: 07/19/17 13:00

Matrix: Water

Date Received: 07/20/17 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		0.097	0.049	ug/L		07/26/17 10:27	07/28/17 11:42	1
Aroclor-1221	ND		0.097	0.087	ug/L		07/26/17 10:27	07/28/17 11:42	1
Aroclor-1232	ND		0.097	0.068	ug/L		07/26/17 10:27	07/28/17 11:42	1
Aroclor-1242	ND		0.097	0.058	ug/L		07/26/17 10:27	07/28/17 11:42	1
Aroclor-1248	ND		0.097	0.049	ug/L		07/26/17 10:27	07/28/17 11:42	1
Aroclor-1254	ND		0.097	0.029	ug/L		07/26/17 10:27	07/28/17 11:42	1
Aroclor-1260	ND		0.097	0.039	ug/L		07/26/17 10:27	07/28/17 11:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*62*		*21 - 120*	*07/26/17 10:27*	*07/28/17 11:42*	*1*
DCB Decachlorobiphenyl	*51*		*10 - 120*	*07/26/17 10:27*	*07/28/17 11:42*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	ND		4.0	1.1	ug/L		07/21/17 08:41	07/26/17 05:19	1
Silvex (2,4,5-TP)	ND		1.0	0.20	ug/L		07/21/17 08:41	07/26/17 05:19	1
2,4,5-T	ND		1.0	0.24	ug/L		07/21/17 08:41	07/26/17 05:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*69*		*38 - 120*	*07/21/17 08:41*	*07/26/17 05:19*	*1*
2,4-Dichlorophenylacetic acid	*77*		*38 - 120*	*07/21/17 08:41*	*07/26/17 05:19*	*1*

Method: 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		200	40	ug/L		07/21/17 14:00	07/26/17 01:15	1
Arsenic	**4.4**	**J**	10	3.3	ug/L		07/21/17 14:00	07/26/17 01:15	1
Barium	**89**	**J**	200	2.4	ug/L		07/21/17 14:00	07/26/17 01:15	1
Cadmium	ND		2.0	0.29	ug/L		07/21/17 14:00	07/26/17 01:15	1
Calcium	**63000**		5000	710	ug/L		07/21/17 14:00	07/26/17 01:15	1
Chromium	ND		5.0	0.55	ug/L		07/21/17 14:00	07/26/17 01:15	1
Copper	ND		25	3.9	ug/L		07/21/17 14:00	07/26/17 01:15	1
Iron	**320**		100	25	ug/L		07/21/17 14:00	07/26/17 01:15	1
Lead	ND		5.0	1.9	ug/L		07/21/17 14:00	07/26/17 01:15	1
Magnesium	**14000**		5000	230	ug/L		07/21/17 14:00	07/26/17 01:15	1
Manganese	**1800**		15	5.1	ug/L		07/21/17 14:00	07/26/17 01:15	1
Nickel	**1.6**	**J**	40	1.6	ug/L		07/21/17 14:00	07/26/17 01:15	1
Potassium	**3300**	**J B**	5000	70	ug/L		07/21/17 14:00	07/26/17 01:15	1
Selenium	ND		15	5.1	ug/L		07/21/17 14:00	07/26/17 01:15	1
Sodium	**110000**		5000	330	ug/L		07/21/17 14:00	07/26/17 01:15	1
Strontium	**210**		50	9.0	ug/L		07/21/17 14:00	07/26/17 01:15	1
Zinc	ND		50	16	ug/L		07/21/17 14:00	07/26/17 01:15	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.13	ug/L		07/21/17 14:00	07/24/17 16:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**170**		5.0	2.6	mg/L			07/24/17 18:30	1
Chloride	**180**		1.0	0.28	mg/L			07/24/17 21:26	1
Sulfate	**35**		1.0	0.35	mg/L			07/24/17 21:26	1

Client: EnviroScience Inc
Project/Site: Summit Lake Water Quality

TestAmerica Job ID: 240-82589-1

Client Sample ID: W-3 SUMMIT LAKE L-1-BOTTOM — **Lab Sample ID: 240-82589-2**
Date Collected: 07/19/17 13:00 — **Matrix: Water**
Date Received: 07/20/17 10:45

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	1.6		0.020	0.0090	mg/L			07/25/17 11:26	1
Total Kjeldahl Nitrogen	2.1		0.20	0.15	mg/L		07/25/17 16:40	07/26/17 09:41	1
Nitrate Nitrite as N	ND		0.050	0.031	mg/L			07/26/17 15:02	1
Orthophosphate as P	0.36		0.10	0.040	mg/L			07/20/17 16:12	1
Chemical Oxygen Demand	22		10	4.1	mg/L			07/26/17 10:38	1
Total Organic Carbon	3.7		1.0	0.14	mg/L			07/21/17 10:45	1
Total Dissolved Solids	490		10	7.8	mg/L			07/25/17 14:52	1
Total Suspended Solids	4.0		4.0	2.2	mg/L			07/25/17 11:38	1
Phosphorus	0.30		0.010	0.0050	mg/L			07/26/17 09:55	1
Phosphorus as PO4	0.90		0.031	0.015	mg/L			07/26/17 09:55	1

Client Sample ID: W-4 OHIO CANAL @ KENMORE BLVD **Lab Sample ID: 240-82589-3**
Date Collected: 07/19/17 11:05 **Matrix: Water**
Date Received: 07/20/17 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.042	ug/L		07/21/17 08:33	07/25/17 15:36	1
Acenaphthylene	ND		0.19	0.046	ug/L		07/21/17 08:33	07/25/17 15:36	1
Acetophenone	ND		0.95	0.32	ug/L		07/21/17 08:33	07/25/17 15:36	1
Anthracene	ND		0.19	0.084	ug/L		07/21/17 08:33	07/25/17 15:36	1
Benzo[a]anthracene	ND		0.19	0.028	ug/L		07/21/17 08:33	07/25/17 15:36	1
Benzo[a]pyrene	ND		0.19	0.049	ug/L		07/21/17 08:33	07/25/17 15:36	1
Benzo[b]fluoranthene	ND		0.19	0.038	ug/L		07/21/17 08:33	07/25/17 15:36	1
Benzo[g,h,i]perylene	ND		0.19	0.044	ug/L		07/21/17 08:33	07/25/17 15:36	1
Benzo[k]fluoranthene	ND		0.19	0.043	ug/L		07/21/17 08:33	07/25/17 15:36	1
Bis(2-chloroethoxy)methane	ND		0.95	0.30	ug/L		07/21/17 08:33	07/25/17 15:36	1
Bis(2-chloroethyl)ether	ND		0.95	0.095	ug/L		07/21/17 08:33	07/25/17 15:36	1
bis (2-chloroisopropyl) ether	ND		0.95	0.38	ug/L		07/21/17 08:33	07/25/17 15:36	1
Bis(2-ethylhexyl) phthalate	ND		4.8	1.6	ug/L		07/21/17 08:33	07/25/17 15:36	1
4-Bromophenyl phenyl ether	ND		1.9	0.21	ug/L		07/21/17 08:33	07/25/17 15:36	1
Butyl benzyl phthalate	ND		1.9	0.25	ug/L		07/21/17 08:33	07/25/17 15:36	1
4-Chloroaniline	ND		1.9	0.20	ug/L		07/21/17 08:33	07/25/17 15:36	1
4-Chloro-3-methylphenol	ND		1.9	0.20	ug/L		07/21/17 08:33	07/25/17 15:36	1
2-Chloronaphthalene	ND		0.95	0.095	ug/L		07/21/17 08:33	07/25/17 15:36	1
2-Chlorophenol	ND		0.95	0.28	ug/L		07/21/17 08:33	07/25/17 15:36	1
4-Chlorophenyl phenyl ether	ND		1.9	0.29	ug/L		07/21/17 08:33	07/25/17 15:36	1
Chrysene	ND		0.19	0.048	ug/L		07/21/17 08:33	07/25/17 15:36	1
Dibenz(a,h)anthracene	ND		0.19	0.042	ug/L		07/21/17 08:33	07/25/17 15:36	1
Dibenzofuran	ND		0.95	0.019	ug/L		07/21/17 08:33	07/25/17 15:36	1
3,3'-Dichlorobenzidine	ND		4.8	0.35	ug/L		07/21/17 08:33	07/25/17 15:36	1
2,4-Dichlorophenol	ND		1.9	0.18	ug/L		07/21/17 08:33	07/25/17 15:36	1
Diethyl phthalate	ND		1.9	0.57	ug/L		07/21/17 08:33	07/25/17 15:36	1
2,4-Dimethylphenol	ND		1.9	0.24	ug/L		07/21/17 08:33	07/25/17 15:36	1
Dimethyl phthalate	ND		1.9	0.28	ug/L		07/21/17 08:33	07/25/17 15:36	1
Di-n-butyl phthalate	ND		4.8	1.6	ug/L		07/21/17 08:33	07/25/17 15:36	1
4,6-Dinitro-2-methylphenol	ND		4.8	2.3	ug/L		07/21/17 08:33	07/25/17 15:36	1
2,4-Dinitrophenol	ND		4.8	0.30	ug/L		07/21/17 08:33	07/25/17 15:36	1
2,4-Dinitrotoluene	ND		4.8	0.24	ug/L		07/21/17 08:33	07/25/17 15:36	1
2,6-Dinitrotoluene	ND		4.8	0.76	ug/L		07/21/17 08:33	07/25/17 15:36	1
Di-n-octyl phthalate	ND		1.9	0.22	ug/L		07/21/17 08:33	07/25/17 15:36	1
Fluoranthene	ND		0.19	0.042	ug/L		07/21/17 08:33	07/25/17 15:36	1
Fluorene	ND		0.19	0.039	ug/L		07/21/17 08:33	07/25/17 15:36	1
Hexachlorobenzene	ND		0.19	0.081	ug/L		07/21/17 08:33	07/25/17 15:36	1
Hexachlorobutadiene	ND		0.95	0.26	ug/L		07/21/17 08:33	07/25/17 15:36	1
Hexachlorocyclopentadiene	ND		9.5	0.23	ug/L		07/21/17 08:33	07/25/17 15:36	1
Hexachloroethane	ND		0.95	0.18	ug/L		07/21/17 08:33	07/25/17 15:36	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.041	ug/L		07/21/17 08:33	07/25/17 15:36	1
Isophorone	ND		0.95	0.26	ug/L		07/21/17 08:33	07/25/17 15:36	1
2-Methylnaphthalene	ND		0.19	0.086	ug/L		07/21/17 08:33	07/25/17 15:36	1
2-Methylphenol	ND		0.95	0.16	ug/L		07/21/17 08:33	07/25/17 15:36	1
3 & 4 Methylphenol	ND		1.9	0.76	ug/L		07/21/17 08:33	07/25/17 15:36	1
Naphthalene	ND		0.19	0.060	ug/L		07/21/17 08:33	07/25/17 15:36	1
2-Nitroaniline	ND		1.9	0.20	ug/L		07/21/17 08:33	07/25/17 15:36	1
3-Nitroaniline	ND		1.9	0.27	ug/L		07/21/17 08:33	07/25/17 15:36	1
4-Nitroaniline	ND		1.9	0.21	ug/L		07/21/17 08:33	07/25/17 15:36	1

Client Sample ID: W-4 OHIO CANAL @ KENMORE BLVD **Lab Sample ID: 240-82589-3**
Date Collected: 07/19/17 11:05 **Matrix: Water**
Date Received: 07/20/17 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	ND		0.95	0.038	ug/L		07/21/17 08:33	07/25/17 15:36	1
2-Nitrophenol	ND		1.9	0.27	ug/L		07/21/17 08:33	07/25/17 15:36	1
4-Nitrophenol	ND		4.8	0.28	ug/L		07/21/17 08:33	07/25/17 15:36	1
N-Nitrosodi-n-propylamine	ND		0.95	0.23	ug/L		07/21/17 08:33	07/25/17 15:36	1
N-Nitrosodiphenylamine	ND		0.95	0.30	ug/L		07/21/17 08:33	07/25/17 15:36	1
Pentachlorophenol	ND		4.8	0.26	ug/L		07/21/17 08:33	07/25/17 15:36	1
Phenanthrene	ND		0.19	0.059	ug/L		07/21/17 08:33	07/25/17 15:36	1
Phenol	ND		0.95	0.57	ug/L		07/21/17 08:33	07/25/17 15:36	1
Pyrene	ND		0.19	0.040	ug/L		07/21/17 08:33	07/25/17 15:36	1
2,4,5-Trichlorophenol	ND		4.8	0.29	ug/L		07/21/17 08:33	07/25/17 15:36	1
2,4,6-Trichlorophenol	ND		4.8	0.23	ug/L		07/21/17 08:33	07/25/17 15:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*69*		*38 - 120*	*07/21/17 08:33*	*07/25/17 15:36*	*1*
2-Fluorophenol (Surr)	*37*		*10 - 120*	*07/21/17 08:33*	*07/25/17 15:36*	*1*
Nitrobenzene-d5 (Surr)	*70*		*32 - 120*	*07/21/17 08:33*	*07/25/17 15:36*	*1*
Phenol-d5 (Surr)	*21*		*10 - 120*	*07/21/17 08:33*	*07/25/17 15:36*	*1*
Terphenyl-d14 (Surr)	*74*		*23 - 127*	*07/21/17 08:33*	*07/25/17 15:36*	*1*
2,4,6-Tribromophenol (Surr)	*64*		*28 - 120*	*07/21/17 08:33*	*07/25/17 15:36*	*1*

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND	F1	0.049	0.013	ug/L		07/24/17 10:23	07/28/17 14:03	1
Aldrin	ND	H	0.049	0.013	ug/L		07/31/17 09:02	08/01/17 14:48	1
alpha-BHC	ND	F1	0.049	0.014	ug/L		07/24/17 10:23	07/28/17 14:03	1
alpha-BHC	ND	H	0.049	0.014	ug/L		07/31/17 09:02	08/01/17 14:48	1
alpha-Chlordane	ND	F1 F2	0.049	0.012	ug/L		07/24/17 10:23	07/28/17 14:03	1
alpha-Chlordane	ND	H	0.049	0.012	ug/L		07/31/17 09:02	08/01/17 14:48	1
beta-BHC	ND	F1 F2	0.049	0.017	ug/L		07/24/17 10:23	07/28/17 14:03	1
beta-BHC	ND	H	0.049	0.018	ug/L		07/31/17 09:02	08/01/17 14:48	1
4,4'-DDD	ND	F1 F2	0.049	0.017	ug/L		07/24/17 10:23	07/28/17 14:03	1
4,4'-DDD	ND	H	0.049	0.018	ug/L		07/31/17 09:02	08/01/17 14:48	1
4,4'-DDE	ND	F1 F2	0.049	0.012	ug/L		07/24/17 10:23	07/28/17 14:03	1
4,4'-DDE	ND	H	0.049	0.012	ug/L		07/31/17 09:02	08/01/17 14:48	1
4,4'-DDT	ND	F1 F2	0.049	0.017	ug/L		07/24/17 10:23	07/28/17 14:03	1
4,4'-DDT	ND	H	0.049	0.017	ug/L		07/31/17 09:02	08/01/17 14:48	1
delta-BHC	ND	F1	0.049	0.028	ug/L		07/24/17 10:23	07/28/17 14:03	1
delta-BHC	ND	H	0.049	0.028	ug/L		07/31/17 09:02	08/01/17 14:48	1
Dieldrin	ND	F1 F2	0.049	0.013	ug/L		07/24/17 10:23	07/28/17 14:03	1
Dieldrin	ND	H	0.049	0.013	ug/L		07/31/17 09:02	08/01/17 14:48	1
Endosulfan I	ND	F1 F2	0.049	0.016	ug/L		07/24/17 10:23	07/28/17 14:03	1
Endosulfan I	ND	H	0.049	0.016	ug/L		07/31/17 09:02	08/01/17 14:48	1
Endosulfan II	ND	F1 F2	0.049	0.015	ug/L		07/24/17 10:23	07/28/17 14:03	1
Endosulfan II	ND	H	0.049	0.015	ug/L		07/31/17 09:02	08/01/17 14:48	1
Endosulfan sulfate	ND	F1	0.049	0.015	ug/L		07/24/17 10:23	07/28/17 14:03	1
Endosulfan sulfate	ND	H	0.049	0.015	ug/L		07/31/17 09:02	08/01/17 14:48	1
Endrin	ND	F1 F2	0.049	0.013	ug/L		07/24/17 10:23	07/28/17 14:03	1
Endrin	ND	H	0.049	0.013	ug/L		07/31/17 09:02	08/01/17 14:48	1
Endrin aldehyde	ND	F1 F2	0.049	0.017	ug/L		07/24/17 10:23	07/28/17 14:03	1
Endrin aldehyde	ND	H	0.049	0.018	ug/L		07/31/17 09:02	08/01/17 14:48	1

Client Sample ID: W-4 OHIO CANAL @ KENMORE BLVD

Lab Sample ID: 240-82589-3
Date Collected: 07/19/17 11:05
Matrix: Water
Date Received: 07/20/17 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin ketone	ND	F1	0.049	0.016	ug/L		07/24/17 10:23	07/28/17 14:03	1
Endrin ketone	ND	H	0.049	0.016	ug/L		07/31/17 09:02	08/01/17 14:48	1
gamma-BHC (Lindane)	ND	F1	0.049	0.013	ug/L		07/24/17 10:23	07/28/17 14:03	1
gamma-BHC (Lindane)	ND	H	0.049	0.013	ug/L		07/31/17 09:02	08/01/17 14:48	1
gamma-Chlordane	ND	F1	0.049	0.013	ug/L		07/24/17 10:23	07/28/17 14:03	1
gamma-Chlordane	ND	H	0.049	0.013	ug/L		07/31/17 09:02	08/01/17 14:48	1
Heptachlor	ND	F1 F2	0.049	0.014	ug/L		07/24/17 10:23	07/28/17 14:03	1
Heptachlor	ND	H	0.049	0.014	ug/L		07/31/17 09:02	08/01/17 14:48	1
Heptachlor epoxide	ND	F1	0.049	0.015	ug/L		07/24/17 10:23	07/28/17 14:03	1
Heptachlor epoxide	ND	H	0.049	0.015	ug/L		07/31/17 09:02	08/01/17 14:48	1
Methoxychlor	ND	F1 F2	0.097	0.013	ug/L		07/24/17 10:23	07/28/17 14:03	1
Methoxychlor	ND	H	0.098	0.013	ug/L		07/31/17 09:02	08/01/17 14:48	1
Toxaphene	ND		1.9	0.19	ug/L		07/24/17 10:23	07/28/17 14:03	1
Toxaphene	ND	H	2.0	0.19	ug/L		07/31/17 09:02	08/01/17 14:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*57*		*10 - 120*	*07/24/17 10:23*	*07/28/17 14:03*	*1*
DCB Decachlorobiphenyl	*57*		*10 - 120*	*07/24/17 10:23*	*07/28/17 14:03*	*1*
DCB Decachlorobiphenyl	*62*		*10 - 120*	*07/31/17 09:02*	*08/01/17 14:48*	*1*
DCB Decachlorobiphenyl	*64*		*10 - 120*	*07/31/17 09:02*	*08/01/17 14:48*	*1*
Tetrachloro-m-xylene	*66*		*33 - 120*	*07/24/17 10:23*	*07/28/17 14:03*	*1*
Tetrachloro-m-xylene	*64*		*33 - 120*	*07/24/17 10:23*	*07/28/17 14:03*	*1*
Tetrachloro-m-xylene	*63*		*33 - 120*	*07/31/17 09:02*	*08/01/17 14:48*	*1*
Tetrachloro-m-xylene	*64*		*33 - 120*	*07/31/17 09:02*	*08/01/17 14:48*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		0.095	0.048	ug/L		07/26/17 10:27	07/28/17 11:59	1
Aroclor-1221	ND		0.095	0.086	ug/L		07/26/17 10:27	07/28/17 11:59	1
Aroclor-1232	ND		0.095	0.067	ug/L		07/26/17 10:27	07/28/17 11:59	1
Aroclor-1242	ND		0.095	0.057	ug/L		07/26/17 10:27	07/28/17 11:59	1
Aroclor-1248	ND		0.095	0.048	ug/L		07/26/17 10:27	07/28/17 11:59	1
Aroclor-1254	ND		0.095	0.029	ug/L		07/26/17 10:27	07/28/17 11:59	1
Aroclor-1260	ND		0.095	0.038	ug/L		07/26/17 10:27	07/28/17 11:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*57*		*21 - 120*	*07/26/17 10:27*	*07/28/17 11:59*	*1*
DCB Decachlorobiphenyl	*65*		*10 - 120*	*07/26/17 10:27*	*07/28/17 11:59*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	ND		4.0	1.1	ug/L		07/21/17 08:41	07/26/17 05:50	1
Silvex (2,4,5-TP)	ND		1.0	0.20	ug/L		07/21/17 08:41	07/26/17 05:50	1
2,4,5-T	ND		1.0	0.24	ug/L		07/21/17 08:41	07/26/17 05:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*78*		*38 - 120*	*07/21/17 08:41*	*07/26/17 05:50*	*1*
2,4-Dichlorophenylacetic acid	*86*		*38 - 120*	*07/21/17 08:41*	*07/26/17 05:50*	*1*

Client Sample ID: W-4 OHIO CANAL @ KENMORE BLVD

Lab Sample ID: 240-82589-3

Date Collected: 07/19/17 11:05

Matrix: Water

Date Received: 07/20/17 10:45

Method: 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	130	J B	200	40	ug/L		07/21/17 14:00	07/26/17 01:20	1
Arsenic	4.2	J	10	3.3	ug/L		07/21/17 14:00	07/26/17 01:20	1
Barium	66	J	200	2.4	ug/L		07/21/17 14:00	07/26/17 01:20	1
Cadmium	ND		2.0	0.29	ug/L		07/21/17 14:00	07/26/17 01:20	1
Calcium	56000		5000	710	ug/L		07/21/17 14:00	07/26/17 01:20	1
Chromium	ND		5.0	0.55	ug/L		07/21/17 14:00	07/26/17 01:20	1
Copper	ND		25	3.9	ug/L		07/21/17 14:00	07/26/17 01:20	1
Iron	390		100	25	ug/L		07/21/17 14:00	07/26/17 01:20	1
Lead	ND		5.0	1.9	ug/L		07/21/17 14:00	07/26/17 01:20	1
Magnesium	15000		5000	230	ug/L		07/21/17 14:00	07/26/17 01:20	1
Manganese	110		15	5.1	ug/L		07/21/17 14:00	07/26/17 01:20	1
Nickel	ND		40	1.6	ug/L		07/21/17 14:00	07/26/17 01:20	1
Potassium	3300	J B	5000	70	ug/L		07/21/17 14:00	07/26/17 01:20	1
Selenium	ND		15	5.1	ug/L		07/21/17 14:00	07/26/17 01:20	1
Sodium	74000		5000	330	ug/L		07/21/17 14:00	07/26/17 01:20	1
Strontium	170		50	9.0	ug/L		07/21/17 14:00	07/26/17 01:20	1
Zinc	ND		50	16	ug/L		07/21/17 14:00	07/26/17 01:20	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.13	ug/L		07/21/17 14:00	07/24/17 16:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	140		5.0	2.6	mg/L			07/24/17 18:39	1
Hardness as calcium carbonate	250		5.0	2.4	mg/L			07/24/17 11:53	1
Chloride	130		1.0	0.28	mg/L			07/24/17 22:06	1
Sulfate	38		1.0	0.35	mg/L			07/24/17 22:06	1
Ammonia	0.099		0.020	0.0090	mg/L			07/25/17 11:27	1
Total Kjeldahl Nitrogen	0.71		0.20	0.15	mg/L		07/25/17 16:40	07/26/17 09:41	1
Nitrate Nitrite as N	0.16		0.050	0.031	mg/L			07/26/17 15:03	1
Orthophosphate as P	0.060	J	0.10	0.040	mg/L			07/20/17 16:12	1
Chemical Oxygen Demand	29		10	4.1	mg/L			07/26/17 10:40	1
Total Organic Carbon	3.6		1.0	0.14	mg/L			07/21/17 11:01	1
Total Dissolved Solids	410		10	7.8	mg/L			07/25/17 14:52	1
Total Suspended Solids	10		4.0	2.2	mg/L			07/25/17 11:38	1
Phosphorus	0.072		0.010	0.0050	mg/L			07/26/17 09:55	1
Phosphorus as PO4	0.22		0.031	0.015	mg/L			07/26/17 09:55	1

Client: EnviroScience Inc
Project/Site: Summit Lake Water Quality

TestAmerica Job ID: 240-82589-1

Client Sample ID: W-5 OHIO CANAL @ SOUTH AVE
Date Collected: 07/19/17 13:55
Date Received: 07/20/17 10:45

Lab Sample ID: 240-82589-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.042	ug/L		07/21/17 08:33	07/25/17 15:13	1
Acenaphthylene	ND		0.19	0.046	ug/L		07/21/17 08:33	07/25/17 15:13	1
Acetophenone	ND		0.95	0.32	ug/L		07/21/17 08:33	07/25/17 15:13	1
Anthracene	ND		0.19	0.084	ug/L		07/21/17 08:33	07/25/17 15:13	1
Benzo[a]anthracene	ND		0.19	0.028	ug/L		07/21/17 08:33	07/25/17 15:13	1
Benzo[a]pyrene	**0.17**	**J B**	0.19	0.049	ug/L		07/21/17 08:33	07/25/17 15:13	1
Benzo[b]fluoranthene	ND		0.19	0.038	ug/L		07/21/17 08:33	07/25/17 15:13	1
Benzo[g,h,i]perylene	ND		0.19	0.044	ug/L		07/21/17 08:33	07/25/17 15:13	1
Benzo[k]fluoranthene	ND		0.19	0.043	ug/L		07/21/17 08:33	07/25/17 15:13	1
Bis(2-chloroethoxy)methane	ND		0.95	0.30	ug/L		07/21/17 08:33	07/25/17 15:13	1
Bis(2-chloroethyl)ether	ND		0.95	0.095	ug/L		07/21/17 08:33	07/25/17 15:13	1
bis (2-chloroisopropyl) ether	ND		0.95	0.38	ug/L		07/21/17 08:33	07/25/17 15:13	1
Bis(2-ethylhexyl) phthalate	ND		4.8	1.6	ug/L		07/21/17 08:33	07/25/17 15:13	1
4-Bromophenyl phenyl ether	ND		1.9	0.21	ug/L		07/21/17 08:33	07/25/17 15:13	1
Butyl benzyl phthalate	ND		1.9	0.25	ug/L		07/21/17 08:33	07/25/17 15:13	1
4-Chloroaniline	ND		1.9	0.20	ug/L		07/21/17 08:33	07/25/17 15:13	1
4-Chloro-3-methylphenol	ND		1.9	0.20	ug/L		07/21/17 08:33	07/25/17 15:13	1
2-Chloronaphthalene	ND		0.95	0.095	ug/L		07/21/17 08:33	07/25/17 15:13	1
2-Chlorophenol	ND		0.95	0.28	ug/L		07/21/17 08:33	07/25/17 15:13	1
4-Chlorophenyl phenyl ether	ND		1.9	0.29	ug/L		07/21/17 08:33	07/25/17 15:13	1
Chrysene	ND		0.19	0.048	ug/L		07/21/17 08:33	07/25/17 15:13	1
Dibenz(a,h)anthracene	ND		0.19	0.042	ug/L		07/21/17 08:33	07/25/17 15:13	1
Dibenzofuran	ND		0.95	0.019	ug/L		07/21/17 08:33	07/25/17 15:13	1
3,3'-Dichlorobenzidine	ND		4.8	0.35	ug/L		07/21/17 08:33	07/25/17 15:13	1
2,4-Dichlorophenol	ND		1.9	0.18	ug/L		07/21/17 08:33	07/25/17 15:13	1
Diethyl phthalate	ND		1.9	0.57	ug/L		07/21/17 08:33	07/25/17 15:13	1
2,4-Dimethylphenol	ND		1.9	0.24	ug/L		07/21/17 08:33	07/25/17 15:13	1
Dimethyl phthalate	ND		1.9	0.28	ug/L		07/21/17 08:33	07/25/17 15:13	1
Di-n-butyl phthalate	ND		4.8	1.6	ug/L		07/21/17 08:33	07/25/17 15:13	1
4,6-Dinitro-2-methylphenol	ND		4.8	2.3	ug/L		07/21/17 08:33	07/25/17 15:13	1
2,4-Dinitrophenol	ND		4.8	0.30	ug/L		07/21/17 08:33	07/25/17 15:13	1
2,4-Dinitrotoluene	ND		4.8	0.24	ug/L		07/21/17 08:33	07/25/17 15:13	1
2,6-Dinitrotoluene	ND		4.8	0.76	ug/L		07/21/17 08:33	07/25/17 15:13	1
Di-n-octyl phthalate	ND		1.9	0.22	ug/L		07/21/17 08:33	07/25/17 15:13	1
Fluoranthene	ND		0.19	0.042	ug/L		07/21/17 08:33	07/25/17 15:13	1
Fluorene	ND		0.19	0.039	ug/L		07/21/17 08:33	07/25/17 15:13	1
Hexachlorobenzene	ND		0.19	0.081	ug/L		07/21/17 08:33	07/25/17 15:13	1
Hexachlorobutadiene	ND		0.95	0.26	ug/L		07/21/17 08:33	07/25/17 15:13	1
Hexachlorocyclopentadiene	ND		9.5	0.23	ug/L		07/21/17 08:33	07/25/17 15:13	1
Hexachloroethane	ND		0.95	0.18	ug/L		07/21/17 08:33	07/25/17 15:13	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.041	ug/L		07/21/17 08:33	07/25/17 15:13	1
Isophorone	ND		0.95	0.26	ug/L		07/21/17 08:33	07/25/17 15:13	1
2-Methylnaphthalene	ND		0.19	0.086	ug/L		07/21/17 08:33	07/25/17 15:13	1
2-Methylphenol	ND		0.95	0.16	ug/L		07/21/17 08:33	07/25/17 15:13	1
3 & 4 Methylphenol	ND		1.9	0.76	ug/L		07/21/17 08:33	07/25/17 15:13	1
Naphthalene	ND		0.19	0.060	ug/L		07/21/17 08:33	07/25/17 15:13	1
2-Nitroaniline	ND		1.9	0.20	ug/L		07/21/17 08:33	07/25/17 15:13	1
3-Nitroaniline	ND		1.9	0.27	ug/L		07/21/17 08:33	07/25/17 15:13	1
4-Nitroaniline	ND		1.9	0.21	ug/L		07/21/17 08:33	07/25/17 15:13	1

Client Sample ID: W-5 OHIO CANAL @ SOUTH AVE
Date Collected: 07/19/17 13:55
Date Received: 07/20/17 10:45

Lab Sample ID: 240-82589-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	ND		0.95	0.038	ug/L		07/21/17 08:33	07/25/17 15:13	1
2-Nitrophenol	ND		1.9	0.27	ug/L		07/21/17 08:33	07/25/17 15:13	1
4-Nitrophenol	ND		4.8	0.28	ug/L		07/21/17 08:33	07/25/17 15:13	1
N-Nitrosodi-n-propylamine	ND		0.95	0.23	ug/L		07/21/17 08:33	07/25/17 15:13	1
N-Nitrosodiphenylamine	ND		0.95	0.30	ug/L		07/21/17 08:33	07/25/17 15:13	1
Pentachlorophenol	ND		4.8	0.26	ug/L		07/21/17 08:33	07/25/17 15:13	1
Phenanthrene	ND		0.19	0.059	ug/L		07/21/17 08:33	07/25/17 15:13	1
Phenol	ND		0.95	0.57	ug/L		07/21/17 08:33	07/25/17 15:13	1
Pyrene	ND		0.19	0.040	ug/L		07/21/17 08:33	07/25/17 15:13	1
2,4,5-Trichlorophenol	ND		4.8	0.29	ug/L		07/21/17 08:33	07/25/17 15:13	1
2,4,6-Trichlorophenol	ND		4.8	0.23	ug/L		07/21/17 08:33	07/25/17 15:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*70*		*38 - 120*	*07/21/17 08:33*	*07/25/17 15:13*	*1*
2-Fluorophenol (Surr)	*42*		*10 - 120*	*07/21/17 08:33*	*07/25/17 15:13*	*1*
Nitrobenzene-d5 (Surr)	*70*		*32 - 120*	*07/21/17 08:33*	*07/25/17 15:13*	*1*
Phenol-d5 (Surr)	*25*		*10 - 120*	*07/21/17 08:33*	*07/25/17 15:13*	*1*
Terphenyl-d14 (Surr)	*78*		*23 - 127*	*07/21/17 08:33*	*07/25/17 15:13*	*1*
2,4,6-Tribromophenol (Surr)	*71*		*28 - 120*	*07/21/17 08:33*	*07/25/17 15:13*	*1*

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.048	0.013	ug/L		07/21/17 09:17	07/27/17 14:03	1
alpha-BHC	ND		0.048	0.013	ug/L		07/21/17 09:17	07/27/17 14:03	1
alpha-Chlordane	ND		0.048	0.012	ug/L		07/21/17 09:17	07/27/17 14:03	1
beta-BHC	ND		0.048	0.017	ug/L		07/21/17 09:17	07/27/17 14:03	1
4,4'-DDD	ND		0.048	0.017	ug/L		07/21/17 09:17	07/27/17 14:03	1
4,4'-DDE	ND		0.048	0.012	ug/L		07/21/17 09:17	07/27/17 14:03	1
4,4'-DDT	ND		0.048	0.016	ug/L		07/21/17 09:17	07/27/17 14:03	1
delta-BHC	ND		0.048	0.028	ug/L		07/21/17 09:17	07/27/17 14:03	1
Dieldrin	ND		0.048	0.013	ug/L		07/21/17 09:17	07/27/17 14:03	1
Endosulfan I	ND		0.048	0.015	ug/L		07/21/17 09:17	07/27/17 14:03	1
Endosulfan II	ND		0.048	0.014	ug/L		07/21/17 09:17	07/27/17 14:03	1
Endosulfan sulfate	ND		0.048	0.014	ug/L		07/21/17 09:17	07/27/17 14:03	1
Endrin	ND		0.048	0.013	ug/L		07/21/17 09:17	07/27/17 14:03	1
Endrin aldehyde	ND		0.048	0.017	ug/L		07/21/17 09:17	07/27/17 14:03	1
Endrin ketone	ND		0.048	0.015	ug/L		07/21/17 09:17	07/27/17 14:03	1
gamma-BHC (Lindane)	ND		0.048	0.013	ug/L		07/21/17 09:17	07/27/17 14:03	1
gamma-Chlordane	ND		0.048	0.013	ug/L		07/21/17 09:17	07/27/17 14:03	1
Heptachlor	ND		0.048	0.013	ug/L		07/21/17 09:17	07/27/17 14:03	1
Heptachlor epoxide	ND		0.048	0.014	ug/L		07/21/17 09:17	07/27/17 14:03	1
Methoxychlor	ND		0.096	0.013	ug/L		07/21/17 09:17	07/27/17 14:03	1
Toxaphene	ND		1.9	0.19	ug/L		07/21/17 09:17	07/27/17 14:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*66*		*10 - 120*	*07/21/17 09:17*	*07/27/17 14:03*	*1*
DCB Decachlorobiphenyl	*65*		*10 - 120*	*07/21/17 09:17*	*07/27/17 14:03*	*1*
Tetrachloro-m-xylene	*68*		*33 - 120*	*07/21/17 09:17*	*07/27/17 14:03*	*1*
Tetrachloro-m-xylene	*62*		*33 - 120*	*07/21/17 09:17*	*07/27/17 14:03*	*1*

Client Sample ID: W-5 OHIO CANAL @ SOUTH AVE

Lab Sample ID: 240-82589-4

Date Collected: 07/19/17 13:55

Matrix: Water

Date Received: 07/20/17 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		0.098	0.049	ug/L		07/26/17 10:27	07/28/17 13:45	1
Aroclor-1221	ND		0.098	0.088	ug/L		07/26/17 10:27	07/28/17 13:45	1
Aroclor-1232	ND		0.098	0.069	ug/L		07/26/17 10:27	07/28/17 13:45	1
Aroclor-1242	ND		0.098	0.059	ug/L		07/26/17 10:27	07/28/17 13:45	1
Aroclor-1248	ND		0.098	0.049	ug/L		07/26/17 10:27	07/28/17 13:45	1
Aroclor-1254	ND		0.098	0.029	ug/L		07/26/17 10:27	07/28/17 13:45	1
Aroclor-1260	ND		0.098	0.039	ug/L		07/26/17 10:27	07/28/17 13:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*68*		*21 - 120*	*07/26/17 10:27*	*07/28/17 13:45*	*1*
DCB Decachlorobiphenyl	*54*		*10 - 120*	*07/26/17 10:27*	*07/28/17 13:45*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	ND		4.0	1.1	ug/L		07/21/17 08:41	07/26/17 07:24	1
Silvex (2,4,5-TP)	ND		1.0	0.20	ug/L		07/21/17 08:41	07/26/17 07:24	1
2,4,5-T	ND		1.0	0.24	ug/L		07/21/17 08:41	07/26/17 07:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*77*		*38 - 120*	*07/21/17 08:41*	*07/26/17 07:24*	*1*
2,4-Dichlorophenylacetic acid	*85*		*38 - 120*	*07/21/17 08:41*	*07/26/17 07:24*	*1*

Method: 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		200	40	ug/L		07/21/17 14:00	07/26/17 01:25	1
Arsenic	**4.6**	**J**	10	3.3	ug/L		07/21/17 14:00	07/26/17 01:25	1
Barium	**49**	**J**	200	2.4	ug/L		07/21/17 14:00	07/26/17 01:25	1
Cadmium	ND		2.0	0.29	ug/L		07/21/17 14:00	07/26/17 01:25	1
Calcium	**45000**		5000	710	ug/L		07/21/17 14:00	07/26/17 01:25	1
Chromium	ND		5.0	0.55	ug/L		07/21/17 14:00	07/26/17 01:25	1
Copper	ND		25	3.9	ug/L		07/21/17 14:00	07/26/17 01:25	1
Iron	**47**	**J**	100	25	ug/L		07/21/17 14:00	07/26/17 01:25	1
Lead	ND		5.0	1.9	ug/L		07/21/17 14:00	07/26/17 01:25	1
Magnesium	**14000**		5000	230	ug/L		07/21/17 14:00	07/26/17 01:25	1
Manganese	**52**		15	5.1	ug/L		07/21/17 14:00	07/26/17 01:25	1
Nickel	ND		40	1.6	ug/L		07/21/17 14:00	07/26/17 01:25	1
Potassium	**3100**	**J B**	5000	70	ug/L		07/21/17 14:00	07/26/17 01:25	1
Selenium	ND		15	5.1	ug/L		07/21/17 14:00	07/26/17 01:25	1
Sodium	**73000**		5000	330	ug/L		07/21/17 14:00	07/26/17 01:25	1
Strontium	**170**		50	9.0	ug/L		07/21/17 14:00	07/26/17 01:25	1
Zinc	ND		50	16	ug/L		07/21/17 14:00	07/26/17 01:25	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.13	ug/L		07/21/17 14:00	07/24/17 16:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**120**		5.0	2.6	mg/L			07/24/17 18:50	1
Hardness as calcium carbonate	**200**		5.0	2.4	mg/L			07/24/17 12:01	1
Chloride	**130**		1.0	0.28	mg/L			07/24/17 23:27	1

Client: EnviroScience Inc
Project/Site: Summit Lake Water Quality

TestAmerica Job ID: 240-82589-1

Client Sample ID: W-5 OHIO CANAL @ SOUTH AVE
Date Collected: 07/19/17 13:55
Date Received: 07/20/17 10:45

Lab Sample ID: 240-82589-4
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**36**		1.0	0.35	mg/L			07/24/17 23:27	1
Ammonia	**0.071**		0.020	0.0090	mg/L			07/25/17 11:28	1
Total Kjeldahl Nitrogen	**0.69**		0.20	0.15	mg/L		07/25/17 16:40	07/26/17 09:41	1
Nitrate Nitrite as N	ND		0.050	0.031	mg/L			07/26/17 15:05	1
Orthophosphate as P	ND		0.10	0.040	mg/L			07/20/17 16:12	1
Chemical Oxygen Demand	**26**		10	4.1	mg/L			07/26/17 10:42	1
Total Organic Carbon	**3.5**		1.0	0.14	mg/L			07/21/17 11:16	1
Total Dissolved Solids	**380**		10	7.8	mg/L			07/25/17 14:52	1
Total Suspended Solids	**4.0**		4.0	2.2	mg/L			07/25/17 11:38	1
Phosphorus	**0.043**		0.010	0.0050	mg/L			07/26/17 09:55	1
Phosphorus as PO4	**0.13**		0.031	0.015	mg/L			07/26/17 09:55	1

Surrogate Summary

Client: EnviroScience Inc
Project/Site: Summit Lake Water Quality

TestAmerica Job ID: 240-82589-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)					
		FBP	2FP	NBZ	PHL	TPH	TBP
Lab Sample ID	Client Sample ID	(38-120)	(10-120)	(32-120)	(10-120)	(23-127)	(28-120)
240-82589-1	W-1 SUMMIT LAKE L-1-SURFA	65	41	67	24	68	66
240-82589-2	W-3 SUMMIT LAKE L-1-BOTTOM	69	41	72	24	80	71
240-82589-3	W-4 OHIO CANAL @ KENMORE BLVD	69	37	70	21	74	64
240-82589-3 MS	W-4 OHIO CANAL @ KENMORE BLVD	76	41	83	25	67	78
240-82589-3 MSD	W-4 OHIO CANAL @ KENMORE BLVD	72	39	84	24	71	81
240-82589-4	W-5 OHIO CANAL @ SOUTH AVE	70	42	70	25	78	71
LCS 240-288135/21-A	Lab Control Sample	62	49	76	32	87	83
MB 240-288135/20-A	Method Blank	51	39	56	23	74	59

Surrogate Legend

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

Method: 8081A - Organochlorine Pesticides (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DCB1	DCB2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(10-120)	(10-120)	(33-120)	(33-120)
240-82589-1	W-1 SUMMIT LAKE L-1-SURFA	111	113	171 X	151 X
240-82589-2	W-3 SUMMIT LAKE L-1-BOTTOM	194 X	190 X	189 X	234 X
240-82589-3	W-4 OHIO CANAL @ KENMORE BLVD	57	57	66	64
240-82589-3	W-4 OHIO CANAL @ KENMORE BLVD	62	64	63	64
240-82589-3 MS	W-4 OHIO CANAL @ KENMORE BLVD	0 X *	0 X	0 X *	0 X
240-82589-3 MS	W-4 OHIO CANAL @ KENMORE BLVD	69	69	63	62
240-82589-3 MSD	W-4 OHIO CANAL @ KENMORE BLVD	70	64	60	61
240-82589-3 MSD	W-4 OHIO CANAL @ KENMORE BLVD	53	53	69	68
240-82589-4	W-5 OHIO CANAL @ SOUTH AVE	66	65	68	62
LCS 240-288162/9-A	Lab Control Sample	79	69	72	65
LCS 240-288387/4-A	Lab Control Sample	94	84	71	67
LCS 240-289294/6-A	Lab Control Sample	63	61	71	68
MB 240-288162/8-A	Method Blank	75	72	74	67
MB 240-288387/3-A	Method Blank	81	76	65	63
MB 240-289294/5-A	Method Blank	77	72	70	68

Surrogate Legend

DCB = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	TCX1 (21-120)	DCB1 (10-120)
240-82589-1	W-1 SUMMIT LAKE L-1-SURFA	61	55
240-82589-2	W-3 SUMMIT LAKE L-1-BOTTOM	62	51
240-82589-3	W-4 OHIO CANAL @ KENMORE BLVD	57	65
240-82589-3 MS	W-4 OHIO CANAL @ KENMORE BLVD	64	64
240-82589-3 MSD	W-4 OHIO CANAL @ KENMORE BLVD	56	60
240-82589-4	W-5 OHIO CANAL @ SOUTH AVE	68	54
LCS 240-288746/21-A	Lab Control Sample	73	88
MB 240-288746/20-A	Method Blank	69	84

Surrogate Legend
TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

Method: 8151A - Herbicides (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	DCPA1 (38-120)	DCPA2 (38-120)
240-82589-1	W-1 SUMMIT LAKE L-1-SURFA	73	79
240-82589-2	W-3 SUMMIT LAKE L-1-BOTTOM	69	77
240-82589-3	W-4 OHIO CANAL @ KENMORE BLVD	78	86
240-82589-3 MS	W-4 OHIO CANAL @ KENMORE BLVD	79	87
240-82589-3 MSD	W-4 OHIO CANAL @ KENMORE BLVD	79	88
240-82589-4	W-5 OHIO CANAL @ SOUTH AVE	77	85
LCS 240-288141/8-A	Lab Control Sample	79	86
MB 240-288141/7-A	Method Blank	77	83

Surrogate Legend
DCPA = 2,4-Dichlorophenylacetic acid

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

Lab Sample ID: MB 240-288135/20-A
Matrix: Water
Analysis Batch: 288512

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 288135

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.044	ug/L		07/21/17 08:33	07/25/17 07:50	1
Acenaphthylene	ND		0.20	0.048	ug/L		07/21/17 08:33	07/25/17 07:50	1
Acetophenone	ND		1.0	0.34	ug/L		07/21/17 08:33	07/25/17 07:50	1
Anthracene	ND		0.20	0.088	ug/L		07/21/17 08:33	07/25/17 07:50	1
Benzo[a]anthracene	ND		0.20	0.030	ug/L		07/21/17 08:33	07/25/17 07:50	1
Benzo[a]pyrene	ND		0.20	0.051	ug/L		07/21/17 08:33	07/25/17 07:50	1
Benzo[b]fluoranthene	ND		0.20	0.039	ug/L		07/21/17 08:33	07/25/17 07:50	1
Benzo[g,h,i]perylene	ND		0.20	0.046	ug/L		07/21/17 08:33	07/25/17 07:50	1
Benzo[k]fluoranthene	ND		0.20	0.045	ug/L		07/21/17 08:33	07/25/17 07:50	1
Bis(2-chloroethoxy)methane	ND		1.0	0.32	ug/L		07/21/17 08:33	07/25/17 07:50	1
Bis(2-chloroethyl)ether	ND		1.0	0.10	ug/L		07/21/17 08:33	07/25/17 07:50	1
bis (2-chloroisopropyl) ether	ND		1.0	0.40	ug/L		07/21/17 08:33	07/25/17 07:50	1
Bis(2-ethylhexyl) phthalate	ND		5.0	1.7	ug/L		07/21/17 08:33	07/25/17 07:50	1
4-Bromophenyl phenyl ether	ND		2.0	0.22	ug/L		07/21/17 08:33	07/25/17 07:50	1
Butyl benzyl phthalate	ND		2.0	0.26	ug/L		07/21/17 08:33	07/25/17 07:50	1
4-Chloroaniline	ND		2.0	0.21	ug/L		07/21/17 08:33	07/25/17 07:50	1
4-Chloro-3-methylphenol	ND		2.0	0.21	ug/L		07/21/17 08:33	07/25/17 07:50	1
2-Chloronaphthalene	ND		1.0	0.10	ug/L		07/21/17 08:33	07/25/17 07:50	1
2-Chlorophenol	ND		1.0	0.29	ug/L		07/21/17 08:33	07/25/17 07:50	1
4-Chlorophenyl phenyl ether	ND		2.0	0.30	ug/L		07/21/17 08:33	07/25/17 07:50	1
Chrysene	ND		0.20	0.050	ug/L		07/21/17 08:33	07/25/17 07:50	1
Dibenz(a,h)anthracene	ND		0.20	0.045	ug/L		07/21/17 08:33	07/25/17 07:50	1
Dibenzofuran	ND		1.0	0.020	ug/L		07/21/17 08:33	07/25/17 07:50	1
3,3'-Dichlorobenzidine	ND		5.0	0.37	ug/L		07/21/17 08:33	07/25/17 07:50	1
2,4-Dichlorophenol	ND		2.0	0.19	ug/L		07/21/17 08:33	07/25/17 07:50	1
Diethyl phthalate	ND		2.0	0.60	ug/L		07/21/17 08:33	07/25/17 07:50	1
2,4-Dimethylphenol	ND		2.0	0.25	ug/L		07/21/17 08:33	07/25/17 07:50	1
Dimethyl phthalate	ND		2.0	0.29	ug/L		07/21/17 08:33	07/25/17 07:50	1
Di-n-butyl phthalate	ND		5.0	1.7	ug/L		07/21/17 08:33	07/25/17 07:50	1
4,6-Dinitro-2-methylphenol	ND		5.0	2.4	ug/L		07/21/17 08:33	07/25/17 07:50	1
2,4-Dinitrophenol	ND		5.0	0.32	ug/L		07/21/17 08:33	07/25/17 07:50	1
2,4-Dinitrotoluene	ND		5.0	0.25	ug/L		07/21/17 08:33	07/25/17 07:50	1
2,6-Dinitrotoluene	ND		5.0	0.80	ug/L		07/21/17 08:33	07/25/17 07:50	1
Di-n-octyl phthalate	ND		2.0	0.23	ug/L		07/21/17 08:33	07/25/17 07:50	1
Fluoranthene	ND		0.20	0.045	ug/L		07/21/17 08:33	07/25/17 07:50	1
Fluorene	ND		0.20	0.041	ug/L		07/21/17 08:33	07/25/17 07:50	1
Hexachlorobenzene	ND		0.20	0.085	ug/L		07/21/17 08:33	07/25/17 07:50	1
Hexachlorobutadiene	ND		1.0	0.27	ug/L		07/21/17 08:33	07/25/17 07:50	1
Hexachlorocyclopentadiene	ND		10	0.24	ug/L		07/21/17 08:33	07/25/17 07:50	1
Hexachloroethane	ND		1.0	0.19	ug/L		07/21/17 08:33	07/25/17 07:50	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.043	ug/L		07/21/17 08:33	07/25/17 07:50	1
Isophorone	ND		1.0	0.27	ug/L		07/21/17 08:33	07/25/17 07:50	1
2-Methylnaphthalene	ND		0.20	0.090	ug/L		07/21/17 08:33	07/25/17 07:50	1
2-Methylphenol	ND		1.0	0.17	ug/L		07/21/17 08:33	07/25/17 07:50	1
3 & 4 Methylphenol	ND		2.0	0.80	ug/L		07/21/17 08:33	07/25/17 07:50	1
Naphthalene	ND		0.20	0.063	ug/L		07/21/17 08:33	07/25/17 07:50	1
2-Nitroaniline	ND		2.0	0.21	ug/L		07/21/17 08:33	07/25/17 07:50	1
3-Nitroaniline	ND		2.0	0.28	ug/L		07/21/17 08:33	07/25/17 07:50	1

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

Lab Sample ID: MB 240-288135/20-A
Matrix: Water
Analysis Batch: 288512

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 288135

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitroaniline	ND		2.0	0.22	ug/L		07/21/17 08:33	07/25/17 07:50	1
Nitrobenzene	ND		1.0	0.040	ug/L		07/21/17 08:33	07/25/17 07:50	1
2-Nitrophenol	ND		2.0	0.28	ug/L		07/21/17 08:33	07/25/17 07:50	1
4-Nitrophenol	ND		5.0	0.29	ug/L		07/21/17 08:33	07/25/17 07:50	1
N-Nitrosodi-n-propylamine	ND		1.0	0.24	ug/L		07/21/17 08:33	07/25/17 07:50	1
N-Nitrosodiphenylamine	ND		1.0	0.31	ug/L		07/21/17 08:33	07/25/17 07:50	1
Pentachlorophenol	ND		5.0	0.27	ug/L		07/21/17 08:33	07/25/17 07:50	1
Phenanthrene	ND		0.20	0.062	ug/L		07/21/17 08:33	07/25/17 07:50	1
Phenol	ND		1.0	0.60	ug/L		07/21/17 08:33	07/25/17 07:50	1
Pyrene	ND		0.20	0.042	ug/L		07/21/17 08:33	07/25/17 07:50	1
2,4,5-Trichlorophenol	ND		5.0	0.30	ug/L		07/21/17 08:33	07/25/17 07:50	1
2,4,6-Trichlorophenol	ND		5.0	0.24	ug/L		07/21/17 08:33	07/25/17 07:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*51*		*38 - 120*	*07/21/17 08:33*	*07/25/17 07:50*	*1*
2-Fluorophenol (Surr)	*39*		*10 - 120*	*07/21/17 08:33*	*07/25/17 07:50*	*1*
Nitrobenzene-d5 (Surr)	*56*		*32 - 120*	*07/21/17 08:33*	*07/25/17 07:50*	*1*
Phenol-d5 (Surr)	*23*		*10 - 120*	*07/21/17 08:33*	*07/25/17 07:50*	*1*
Terphenyl-d14 (Surr)	*74*		*23 - 127*	*07/21/17 08:33*	*07/25/17 07:50*	*1*
2,4,6-Tribromophenol (Surr)	*59*		*28 - 120*	*07/21/17 08:33*	*07/25/17 07:50*	*1*

Lab Sample ID: LCS 240-288135/21-A
Matrix: Water
Analysis Batch: 288512

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 288135

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	20.0	14.0		ug/L		70	54 - 120
Acenaphthylene	20.0	13.3		ug/L		66	53 - 120
Acetophenone	20.0	15.4		ug/L		77	56 - 120
Anthracene	20.0	17.4		ug/L		87	56 - 120
Benzo[a]anthracene	20.0	17.2		ug/L		86	54 - 120
Benzo[a]pyrene	20.0	15.4		ug/L		77	54 - 120
Benzo[b]fluoranthene	20.0	16.4		ug/L		82	53 - 120
Benzo[g,h,i]perylene	20.0	16.9		ug/L		84	55 - 120
Benzo[k]fluoranthene	20.0	17.0		ug/L		85	55 - 120
Bis(2-chloroethoxy)methane	20.0	15.4		ug/L		77	56 - 120
Bis(2-chloroethyl)ether	20.0	13.5		ug/L		68	51 - 120
bis (2-chloroisopropyl) ether	20.0	14.1		ug/L		70	45 - 120
Bis(2-ethylhexyl) phthalate	20.0	16.4		ug/L		82	50 - 120
4-Bromophenyl phenyl ether	20.0	16.1		ug/L		81	54 - 120
Butyl benzyl phthalate	20.0	19.8		ug/L		99	51 - 120
4-Chloroaniline	20.0	2.47		ug/L		12	10 - 120
4-Chloro-3-methylphenol	20.0	14.8		ug/L		74	54 - 120
2-Chloronaphthalene	20.0	11.7		ug/L		59	53 - 120
2-Chlorophenol	20.0	13.9		ug/L		69	53 - 120
4-Chlorophenyl phenyl ether	20.0	13.5		ug/L		68	56 - 120
Chrysene	20.0	16.9		ug/L		85	56 - 120
Dibenz(a,h)anthracene	20.0	16.7		ug/L		83	52 - 120

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

Lab Sample ID: LCS 240-288135/21-A
Matrix: Water
Analysis Batch: 288512

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 288135

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dibenzofuran	20.0	13.3		ug/L		67	55 - 120
3,3'-Dichlorobenzidine	40.0	38.6		ug/L		97	57 - 120
2,4-Dichlorophenol	20.0	14.5		ug/L		72	55 - 120
Diethyl phthalate	20.0	16.6		ug/L		83	42 - 132
2,4-Dimethylphenol	20.0	15.6		ug/L		78	52 - 120
Dimethyl phthalate	20.0	15.9		ug/L		79	56 - 120
Di-n-butyl phthalate	20.0	18.4		ug/L		92	61 - 120
4,6-Dinitro-2-methylphenol	40.0	27.9		ug/L		70	36 - 120
2,4-Dinitrophenol	40.0	19.7		ug/L		49	12 - 120
2,4-Dinitrotoluene	20.0	17.7		ug/L		88	60 - 120
2,6-Dinitrotoluene	20.0	16.6		ug/L		83	60 - 120
Di-n-octyl phthalate	20.0	15.7		ug/L		78	58 - 120
Fluoranthene	20.0	18.5		ug/L		92	58 - 120
Fluorene	20.0	14.4		ug/L		72	56 - 120
Hexachlorobenzene	20.0	16.6		ug/L		83	51 - 120
Hexachlorobutadiene	20.0	10.3		ug/L		52	44 - 120
Hexachlorocyclopentadiene	20.0	8.25	J	ug/L		41	19 - 120
Hexachloroethane	20.0	9.50		ug/L		48	44 - 120
Indeno[1,2,3-cd]pyrene	20.0	15.5		ug/L		78	54 - 120
Isophorone	20.0	15.6		ug/L		78	55 - 120
2-Methylnaphthalene	20.0	12.5		ug/L		62	54 - 120
2-Methylphenol	20.0	13.4		ug/L		67	46 - 120
3 & 4 Methylphenol	20.0	11.9		ug/L		59	40 - 120
Naphthalene	20.0	11.2		ug/L		56	53 - 120
2-Nitroaniline	20.0	16.2		ug/L		81	51 - 120
3-Nitroaniline	20.0	12.9		ug/L		65	53 - 120
4-Nitroaniline	20.0	15.8		ug/L		79	55 - 120
Nitrobenzene	20.0	14.3		ug/L		72	55 - 120
2-Nitrophenol	20.0	15.3		ug/L		76	54 - 120
4-Nitrophenol	40.0	14.3		ug/L		36	10 - 120
N-Nitrosodi-n-propylamine	20.0	15.5		ug/L		78	53 - 120
N-Nitrosodiphenylamine	20.0	17.7		ug/L		89	55 - 120
Pentachlorophenol	40.0	25.9		ug/L		65	30 - 120
Phenanthrene	20.0	16.3		ug/L		82	55 - 120
Phenol	20.0	6.31		ug/L		32	10 - 120
Pyrene	20.0	18.1		ug/L		91	57 - 120
2,4,5-Trichlorophenol	20.0	14.3		ug/L		71	54 - 120
2,4,6-Trichlorophenol	20.0	14.2		ug/L		71	54 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*62*		*38 - 120*
2-Fluorophenol (Surr)	*49*		*10 - 120*
Nitrobenzene-d5 (Surr)	*76*		*32 - 120*
Phenol-d5 (Surr)	*32*		*10 - 120*
Terphenyl-d14 (Surr)	*87*		*23 - 127*
2,4,6-Tribromophenol (Surr)	*83*		*28 - 120*

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

Lab Sample ID: 240-82589-3 MS | **Client Sample ID: W-4 OHIO CANAL @ KENMORE BLVD**
Matrix: Water | **Prep Type: Total/NA**
Analysis Batch: 288512 | **Prep Batch: 288135**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	ND		19.0	14.9		ug/L		78	35 - 120
Acenaphthylene	ND		19.0	14.0		ug/L		74	36 - 120
Acetophenone	ND		19.0	15.2		ug/L		80	42 - 120
Anthracene	ND		19.0	14.9		ug/L		78	35 - 120
Benzo[a]anthracene	ND		19.0	13.0		ug/L		68	16 - 120
Benzo[a]pyrene	ND		19.0	10.8		ug/L		57	10 - 120
Benzo[b]fluoranthene	ND		19.0	11.9		ug/L		63	10 - 120
Benzo[g,h,i]perylene	ND		19.0	12.7		ug/L		67	10 - 120
Benzo[k]fluoranthene	ND		19.0	12.0		ug/L		63	10 - 120
Bis(2-chloroethoxy)methane	ND		19.0	15.0		ug/L		79	44 - 120
Bis(2-chloroethyl)ether	ND		19.0	13.7		ug/L		72	42 - 120
bis (2-chloroisopropyl) ether	ND		19.0	15.1		ug/L		79	44 - 120
Bis(2-ethylhexyl) phthalate	ND		19.0	11.6		ug/L		61	15 - 120
4-Bromophenyl phenyl ether	ND		19.0	15.6		ug/L		82	41 - 120
Butyl benzyl phthalate	ND		19.0	17.2		ug/L		90	39 - 120
4-Chloroaniline	ND		19.0	2.41		ug/L		13	10 - 120
4-Chloro-3-methylphenol	ND		19.0	13.9		ug/L		73	32 - 120
2-Chloronaphthalene	ND		19.0	14.0		ug/L		74	42 - 120
2-Chlorophenol	ND		19.0	13.6		ug/L		71	29 - 120
4-Chlorophenyl phenyl ether	ND		19.0	14.1		ug/L		74	43 - 120
Chrysene	ND		19.0	12.8		ug/L		67	14 - 120
Dibenz(a,h)anthracene	ND		19.0	11.9		ug/L		62	10 - 120
Dibenzofuran	ND		19.0	14.2		ug/L		75	46 - 120
3,3'-Dichlorobenzidine	ND		38.1	17.8		ug/L		47	10 - 120
2,4-Dichlorophenol	ND		19.0	13.9		ug/L		73	19 - 121
Diethyl phthalate	ND		19.0	15.3		ug/L		81	49 - 120
2,4-Dimethylphenol	ND		19.0	12.1		ug/L		64	16 - 120
Dimethyl phthalate	ND		19.0	14.9		ug/L		78	47 - 120
Di-n-butyl phthalate	ND		19.0	17.7		ug/L		93	42 - 120
4,6-Dinitro-2-methylphenol	ND		38.1	25.2		ug/L		66	10 - 120
2,4-Dinitrophenol	ND		38.1	16.8		ug/L		44	10 - 120
2,4-Dinitrotoluene	ND		19.0	16.5		ug/L		87	49 - 120
2,6-Dinitrotoluene	ND		19.0	16.0		ug/L		84	48 - 120
Di-n-octyl phthalate	ND		19.0	11.1		ug/L		55	13 - 120
Fluoranthene	ND		19.0	18.1		ug/L		95	28 - 120
Fluorene	ND		19.0	14.6		ug/L		77	36 - 120
Hexachlorobenzene	ND		19.0	15.1		ug/L		79	31 - 120
Hexachlorobutadiene	ND		19.0	12.7		ug/L		67	30 - 120
Hexachlorocyclopentadiene	ND		19.0	8.52	J	ug/L		45	10 - 120
Hexachloroethane	ND		19.0	13.6		ug/L		71	12 - 120
Indeno[1,2,3-cd]pyrene	ND		19.0	11.2		ug/L		59	10 - 120
Isophorone	ND		19.0	14.7		ug/L		77	45 - 120
2-Methylnaphthalene	ND		19.0	14.5		ug/L		76	43 - 120
2-Methylphenol	ND		19.0	11.5		ug/L		60	18 - 120
3 & 4 Methylphenol	ND		19.0	10.0		ug/L		53	15 - 120
Naphthalene	ND		19.0	13.8		ug/L		72	32 - 120
2-Nitroaniline	ND		19.0	15.9		ug/L		84	35 - 120
3-Nitroaniline	ND		19.0	11.7		ug/L		61	10 - 120

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

Lab Sample ID: 240-82589-3 MS
Matrix: Water
Analysis Batch: 288512

Client Sample ID: W-4 OHIO CANAL @ KENMORE BLVD
Prep Type: Total/NA
Prep Batch: 288135

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Nitroaniline	ND		19.0	14.7		ug/L		77	10 - 120
Nitrobenzene	ND		19.0	14.6		ug/L		77	48 - 120
2-Nitrophenol	ND		19.0	15.2		ug/L		80	43 - 120
4-Nitrophenol	ND		38.1	10.0		ug/L		26	10 - 120
N-Nitrosodi-n-propylamine	ND		19.0	15.2		ug/L		80	45 - 120
N-Nitrosodiphenylamine	ND		19.0	11.0		ug/L		58	39 - 120
Pentachlorophenol	ND		38.1	24.8		ug/L		65	20 - 120
Phenanthrene	ND		19.0	15.5		ug/L		81	36 - 120
Phenol	ND		19.0	4.66		ug/L		24	10 - 120
Pyrene	ND		19.0	16.3		ug/L		85	28 - 120
2,4,5-Trichlorophenol	ND		19.0	14.3		ug/L		75	20 - 120
2,4,6-Trichlorophenol	ND		19.0	13.7		ug/L		72	40 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*76*		*38 - 120*
2-Fluorophenol (Surr)	*41*		*10 - 120*
Nitrobenzene-d5 (Surr)	*83*		*32 - 120*
Phenol-d5 (Surr)	*25*		*10 - 120*
Terphenyl-d14 (Surr)	*67*		*23 - 127*
2,4,6-Tribromophenol (Surr)	*78*		*28 - 120*

Lab Sample ID: 240-82589-3 MSD
Matrix: Water
Analysis Batch: 288512

Client Sample ID: W-4 OHIO CANAL @ KENMORE BLVD
Prep Type: Total/NA
Prep Batch: 288135

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	ND		19.2	14.4		ug/L		75	35 - 120	3	35
Acenaphthylene	ND		19.2	13.7		ug/L		71	36 - 120	3	35
Acetophenone	ND		19.2	15.2		ug/L		79	42 - 120	0	31
Anthracene	ND		19.2	15.0		ug/L		78	35 - 120	0	35
Benzo[a]anthracene	ND		19.2	13.7		ug/L		71	16 - 120	5	35
Benzo[a]pyrene	ND		19.2	11.7		ug/L		61	10 - 120	8	35
Benzo[b]fluoranthene	ND		19.2	12.9		ug/L		67	10 - 120	8	35
Benzo[g,h,i]perylene	ND		19.2	13.8		ug/L		72	10 - 120	8	35
Benzo[k]fluoranthene	ND		19.2	13.0		ug/L		67	10 - 120	8	35
Bis(2-chloroethoxy)methane	ND		19.2	15.5		ug/L		81	44 - 120	4	32
Bis(2-chloroethyl)ether	ND		19.2	13.8		ug/L		72	42 - 120	0	35
bis (2-chloroisopropyl) ether	ND		19.2	14.8		ug/L		77	44 - 120	2	34
Bis(2-ethylhexyl) phthalate	ND		19.2	11.9		ug/L		62	15 - 120	3	35
4-Bromophenyl phenyl ether	ND		19.2	15.9		ug/L		82	41 - 120	2	27
Butyl benzyl phthalate	ND		19.2	17.4		ug/L		90	39 - 120	1	30
4-Chloroaniline	ND		19.2	2.91		ug/L		15	10 - 120	19	35
4-Chloro-3-methylphenol	ND		19.2	14.0		ug/L		73	32 - 120	1	32
2-Chloronaphthalene	ND		19.2	13.0		ug/L		67	42 - 120	8	28
2-Chlorophenol	ND		19.2	13.5		ug/L		70	29 - 120	0	35
4-Chlorophenyl phenyl ether	ND		19.2	13.7		ug/L		71	43 - 120	3	27
Chrysene	ND		19.2	13.2		ug/L		69	14 - 120	3	35
Dibenz(a,h)anthracene	ND		19.2	12.4		ug/L		65	10 - 120	5	35

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

Lab Sample ID: 240-82589-3 MSD
Matrix: Water
Analysis Batch: 288512

Client Sample ID: W-4 OHIO CANAL @ KENMORE BLVD
Prep Type: Total/NA
Prep Batch: 288135

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Dibenzofuran	ND		19.2	13.9		ug/L		72	46 - 120	2	25
3,3'-Dichlorobenzidine	ND		38.5	18.1		ug/L		47	10 - 120	2	35
2,4-Dichlorophenol	ND		19.2	14.5		ug/L		76	19 - 121	5	34
Diethyl phthalate	ND		19.2	15.0		ug/L		78	49 - 120	2	24
2,4-Dimethylphenol	ND		19.2	12.4		ug/L		65	16 - 120	2	35
Dimethyl phthalate	ND		19.2	14.6		ug/L		76	47 - 120	2	24
Di-n-butyl phthalate	ND		19.2	17.3		ug/L		90	42 - 120	3	27
4,6-Dinitro-2-methylphenol	ND		38.5	25.8		ug/L		67	10 - 120	2	35
2,4-Dinitrophenol	ND		38.5	17.1		ug/L		45	10 - 120	2	35
2,4-Dinitrotoluene	ND		19.2	15.9		ug/L		82	49 - 120	4	26
2,6-Dinitrotoluene	ND		19.2	15.6		ug/L		81	48 - 120	3	25
Di-n-octyl phthalate	ND		19.2	11.7		ug/L		58	13 - 120	6	35
Fluoranthene	ND		19.2	17.6		ug/L		92	28 - 120	3	35
Fluorene	ND		19.2	14.2		ug/L		74	36 - 120	3	35
Hexachlorobenzene	ND		19.2	15.7		ug/L		82	31 - 120	4	26
Hexachlorobutadiene	ND		19.2	12.9		ug/L		67	30 - 120	2	35
Hexachlorocyclopentadiene	ND		19.2	7.47	J	ug/L		39	10 - 120	13	35
Hexachloroethane	ND		19.2	13.3		ug/L		69	12 - 120	2	35
Indeno[1,2,3-cd]pyrene	ND		19.2	12.3		ug/L		64	10 - 120	10	35
Isophorone	ND		19.2	15.2		ug/L		79	45 - 120	3	33
2-Methylnaphthalene	ND		19.2	15.2		ug/L		79	43 - 120	4	30
2-Methylphenol	ND		19.2	11.0		ug/L		57	18 - 120	4	35
3 & 4 Methylphenol	ND		19.2	9.64		ug/L		50	15 - 120	4	35
Naphthalene	ND		19.2	14.3		ug/L		74	32 - 120	4	35
2-Nitroaniline	ND		19.2	15.0		ug/L		78	35 - 120	6	28
3-Nitroaniline	ND		19.2	12.3		ug/L		64	10 - 120	5	35
4-Nitroaniline	ND		19.2	14.0		ug/L		73	10 - 120	5	35
Nitrobenzene	ND		19.2	15.2		ug/L		79	48 - 120	4	35
2-Nitrophenol	ND		19.2	15.6		ug/L		81	43 - 120	2	35
4-Nitrophenol	ND		38.5	9.19		ug/L		24	10 - 120	9	35
N-Nitrosodi-n-propylamine	ND		19.2	15.2		ug/L		79	45 - 120	0	33
N-Nitrosodiphenylamine	ND		19.2	11.5		ug/L		60	39 - 120	5	35
Pentachlorophenol	ND		38.5	25.6		ug/L		66	20 - 120	3	24
Phenanthrene	ND		19.2	15.4		ug/L		80	36 - 120	0	35
Phenol	ND		19.2	4.54		ug/L		24	10 - 120	3	35
Pyrene	ND		19.2	16.4		ug/L		85	28 - 120	1	35
2,4,5-Trichlorophenol	ND		19.2	14.0		ug/L		73	20 - 120	2	33
2,4,6-Trichlorophenol	ND		19.2	13.1		ug/L		68	40 - 120	4	29

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*72*		*38 - 120*
2-Fluorophenol (Surr)	*39*		*10 - 120*
Nitrobenzene-d5 (Surr)	*84*		*32 - 120*
Phenol-d5 (Surr)	*24*		*10 - 120*
Terphenyl-d14 (Surr)	*71*		*23 - 127*
2,4,6-Tribromophenol (Surr)	*81*		*28 - 120*

Method: 8081A - Organochlorine Pesticides (GC)

Lab Sample ID: MB 240-288162/8-A
Matrix: Water
Analysis Batch: 288872

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 288162

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.050	0.013	ug/L		07/21/17 09:17	07/27/17 14:16	1
alpha-BHC	ND		0.050	0.014	ug/L		07/21/17 09:17	07/27/17 14:16	1
alpha-Chlordane	ND		0.050	0.012	ug/L		07/21/17 09:17	07/27/17 14:16	1
beta-BHC	ND		0.050	0.018	ug/L		07/21/17 09:17	07/27/17 14:16	1
4,4'-DDD	ND		0.050	0.018	ug/L		07/21/17 09:17	07/27/17 14:16	1
4,4'-DDE	ND		0.050	0.012	ug/L		07/21/17 09:17	07/27/17 14:16	1
4,4'-DDT	ND		0.050	0.017	ug/L		07/21/17 09:17	07/27/17 14:16	1
delta-BHC	ND		0.050	0.029	ug/L		07/21/17 09:17	07/27/17 14:16	1
Dieldrin	ND		0.050	0.013	ug/L		07/21/17 09:17	07/27/17 14:16	1
Endosulfan I	ND		0.050	0.016	ug/L		07/21/17 09:17	07/27/17 14:16	1
Endosulfan II	ND		0.050	0.015	ug/L		07/21/17 09:17	07/27/17 14:16	1
Endosulfan sulfate	ND		0.050	0.015	ug/L		07/21/17 09:17	07/27/17 14:16	1
Endrin	ND		0.050	0.013	ug/L		07/21/17 09:17	07/27/17 14:16	1
Endrin aldehyde	ND		0.050	0.018	ug/L		07/21/17 09:17	07/27/17 14:16	1
Endrin ketone	ND		0.050	0.016	ug/L		07/21/17 09:17	07/27/17 14:16	1
gamma-BHC (Lindane)	ND		0.050	0.013	ug/L		07/21/17 09:17	07/27/17 14:16	1
gamma-Chlordane	ND		0.050	0.013	ug/L		07/21/17 09:17	07/27/17 14:16	1
Heptachlor	ND		0.050	0.014	ug/L		07/21/17 09:17	07/27/17 14:16	1
Heptachlor epoxide	ND		0.050	0.015	ug/L		07/21/17 09:17	07/27/17 14:16	1
Methoxychlor	ND		0.10	0.013	ug/L		07/21/17 09:17	07/27/17 14:16	1
Toxaphene	ND		2.0	0.20	ug/L		07/21/17 09:17	07/27/17 14:16	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*75*		*10 - 120*	*07/21/17 09:17*	*07/27/17 14:16*	*1*
DCB Decachlorobiphenyl	*72*		*10 - 120*	*07/21/17 09:17*	*07/27/17 14:16*	*1*
Tetrachloro-m-xylene	*74*		*33 - 120*	*07/21/17 09:17*	*07/27/17 14:16*	*1*
Tetrachloro-m-xylene	*67*		*33 - 120*	*07/21/17 09:17*	*07/27/17 14:16*	*1*

Lab Sample ID: LCS 240-288162/9-A
Matrix: Water
Analysis Batch: 288872

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 288162

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	0.500	0.384		ug/L		77	39 - 120
alpha-BHC	0.500	0.413		ug/L		83	55 - 122
alpha-Chlordane	0.500	0.402		ug/L		80	52 - 121
beta-BHC	0.500	0.408		ug/L		82	36 - 140
4,4'-DDD	0.500	0.458		ug/L		92	50 - 129
4,4'-DDE	0.500	0.418		ug/L		84	48 - 121
4,4'-DDT	0.500	0.449		ug/L		90	56 - 129
delta-BHC	0.500	0.440		ug/L		88	45 - 120
Dieldrin	0.500	0.421		ug/L		84	49 - 120
Endosulfan I	0.500	0.376		ug/L		75	25 - 120
Endosulfan II	0.500	0.402		ug/L		80	43 - 120
Endosulfan sulfate	0.500	0.438		ug/L		88	53 - 120
Endrin	0.500	0.483		ug/L		97	49 - 120
Endrin aldehyde	0.500	0.478		ug/L		96	47 - 120
Endrin ketone	0.500	0.417		ug/L		83	56 - 121

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

Lab Sample ID: LCS 240-288162/9-A
Matrix: Water
Analysis Batch: 288872

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 288162

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
gamma-BHC (Lindane)	0.500	0.378		ug/L		76	42 - 120
gamma-Chlordane	0.500	0.402		ug/L		80	52 - 122
Heptachlor	0.500	0.411		ug/L		82	50 - 120
Heptachlor epoxide	0.500	0.401		ug/L		80	50 - 120
Methoxychlor	0.500	0.432		ug/L		86	47 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*79*		*10 - 120*
DCB Decachlorobiphenyl	*69*		*10 - 120*
Tetrachloro-m-xylene	*72*		*33 - 120*
Tetrachloro-m-xylene	*65*		*33 - 120*

Lab Sample ID: MB 240-288387/3-A
Matrix: Water
Analysis Batch: 289112

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 288387

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.050	0.013	ug/L		07/24/17 09:47	07/28/17 13:13	1
alpha-BHC	ND		0.050	0.014	ug/L		07/24/17 09:47	07/28/17 13:13	1
alpha-Chlordane	ND		0.050	0.012	ug/L		07/24/17 09:47	07/28/17 13:13	1
beta-BHC	ND		0.050	0.018	ug/L		07/24/17 09:47	07/28/17 13:13	1
4,4'-DDD	ND		0.050	0.018	ug/L		07/24/17 09:47	07/28/17 13:13	1
4,4'-DDE	ND		0.050	0.012	ug/L		07/24/17 09:47	07/28/17 13:13	1
4,4'-DDT	ND		0.050	0.017	ug/L		07/24/17 09:47	07/28/17 13:13	1
delta-BHC	ND		0.050	0.029	ug/L		07/24/17 09:47	07/28/17 13:13	1
Dieldrin	ND		0.050	0.013	ug/L		07/24/17 09:47	07/28/17 13:13	1
Endosulfan I	ND		0.050	0.016	ug/L		07/24/17 09:47	07/28/17 13:13	1
Endosulfan II	ND		0.050	0.015	ug/L		07/24/17 09:47	07/28/17 13:13	1
Endosulfan sulfate	ND		0.050	0.015	ug/L		07/24/17 09:47	07/28/17 13:13	1
Endrin	ND		0.050	0.013	ug/L		07/24/17 09:47	07/28/17 13:13	1
Endrin aldehyde	ND		0.050	0.018	ug/L		07/24/17 09:47	07/28/17 13:13	1
Endrin ketone	ND		0.050	0.016	ug/L		07/24/17 09:47	07/28/17 13:13	1
gamma-BHC (Lindane)	ND		0.050	0.013	ug/L		07/24/17 09:47	07/28/17 13:13	1
gamma-Chlordane	ND		0.050	0.013	ug/L		07/24/17 09:47	07/28/17 13:13	1
Heptachlor	ND		0.050	0.014	ug/L		07/24/17 09:47	07/28/17 13:13	1
Heptachlor epoxide	ND		0.050	0.015	ug/L		07/24/17 09:47	07/28/17 13:13	1
Methoxychlor	ND		0.10	0.013	ug/L		07/24/17 09:47	07/28/17 13:13	1
Toxaphene	ND		2.0	0.20	ug/L		07/24/17 09:47	07/28/17 13:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*81*		*10 - 120*	*07/24/17 09:47*	*07/28/17 13:13*	*1*
DCB Decachlorobiphenyl	*76*		*10 - 120*	*07/24/17 09:47*	*07/28/17 13:13*	*1*
Tetrachloro-m-xylene	*65*		*33 - 120*	*07/24/17 09:47*	*07/28/17 13:13*	*1*
Tetrachloro-m-xylene	*63*		*33 - 120*	*07/24/17 09:47*	*07/28/17 13:13*	*1*

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

Lab Sample ID: LCS 240-288387/4-A
Matrix: Water
Analysis Batch: 289112

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 288387

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	0.500	0.380		ug/L		76	39 - 120
alpha-BHC	0.500	0.456		ug/L		91	55 - 122
alpha-Chlordane	0.500	0.439		ug/L		88	52 - 121
beta-BHC	0.500	0.438		ug/L		88	36 - 140
4,4'-DDD	0.500	0.510		ug/L		102	50 - 129
4,4'-DDE	0.500	0.470		ug/L		94	48 - 121
4,4'-DDT	0.500	0.532		ug/L		106	56 - 129
delta-BHC	0.500	0.488		ug/L		98	45 - 120
Dieldrin	0.500	0.474		ug/L		95	49 - 120
Endosulfan I	0.500	0.413		ug/L		83	25 - 120
Endosulfan II	0.500	0.452		ug/L		90	43 - 120
Endosulfan sulfate	0.500	0.516		ug/L		103	53 - 120
Endrin	0.500	0.534		ug/L		107	49 - 120
Endrin aldehyde	0.500	0.555		ug/L		111	47 - 120
Endrin ketone	0.500	0.489		ug/L		98	56 - 121
gamma-BHC (Lindane)	0.500	0.409		ug/L		82	42 - 120
gamma-Chlordane	0.500	0.441		ug/L		88	52 - 122
Heptachlor	0.500	0.414		ug/L		83	50 - 120
Heptachlor epoxide	0.500	0.453		ug/L		91	50 - 120
Methoxychlor	0.500	0.520		ug/L		104	47 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*94*		*10 - 120*
DCB Decachlorobiphenyl	*84*		*10 - 120*
Tetrachloro-m-xylene	*71*		*33 - 120*
Tetrachloro-m-xylene	*67*		*33 - 120*

Lab Sample ID: 240-82589-3 MS
Matrix: Water
Analysis Batch: 289112

Client Sample ID: W-4 OHIO CANAL @ KENMORE BLVD
Prep Type: Total/NA
Prep Batch: 288387

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	ND	F1 F2	0.485	1.50	E F1	ug/L		308	30 - 120
alpha-BHC	ND		0.485	0.270		ug/L		56	54 - 120
alpha-Chlordane	ND		0.485	0.331		ug/L		68	42 - 153
beta-BHC	ND	F2	0.485	0.169		ug/L		35	31 - 120
4,4'-DDD	ND		0.485	0.396		ug/L		82	32 - 135
4,4'-DDE	ND	F1 F2	0.485	0.0132	J F1	ug/L		3	19 - 125
4,4'-DDT	ND	F2	0.485	0.329		ug/L		68	22 - 139
delta-BHC	ND		0.485	0.430		ug/L		88	28 - 132
Dieldrin	ND		0.485	0.376		ug/L		77	38 - 120
Endosulfan I	ND	F2	0.485	0.178		ug/L		37	21 - 120
Endosulfan II	ND	F2	0.485	0.245		ug/L		50	24 - 120
Endosulfan sulfate	ND		0.485	0.307		ug/L		63	39 - 120
Endrin	ND		0.485	0.474		ug/L		98	25 - 151
Endrin aldehyde	ND		0.485	0.270		ug/L		56	22 - 121
Endrin ketone	ND	F2	0.485	0.404		ug/L		83	39 - 138
gamma-BHC (Lindane)	ND	F1 F2	0.485	0.147	F1	ug/L		30	50 - 120

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

Lab Sample ID: 240-82589-3 MS
Matrix: Water
Analysis Batch: 289112

Client Sample ID: W-4 OHIO CANAL @ KENMORE BLVD
Prep Type: Total/NA
Prep Batch: 288387

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
gamma-Chlordane	ND	F1 F2	0.485	2.76	E F1	ug/L		569	45 - 153
Heptachlor	ND	F2	0.485	0.128		ug/L		26	26 - 126
Heptachlor epoxide	ND	F1	0.485	ND	F1	ug/L		0	41 - 120
Methoxychlor	ND	F2	0.485	0.397		ug/L		82	29 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*0*	*X **	*10 - 120*
DCB Decachlorobiphenyl	*0*	*X*	*10 - 120*
Tetrachloro-m-xylene	*0*	*X **	*33 - 120*
Tetrachloro-m-xylene	*0*	*X*	*33 - 120*

Lab Sample ID: 240-82589-3 MSD
Matrix: Water
Analysis Batch: 289112

Client Sample ID: W-4 OHIO CANAL @ KENMORE BLVD
Prep Type: Total/NA
Prep Batch: 288387

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aldrin	ND	F1	0.490	0.371		ug/L		76	30 - 120	NC	35
alpha-BHC	ND	F1	0.490	0.403		ug/L		82	54 - 120	NC	20
alpha-Chlordane	ND	F1 F2	0.490	0.373	F2	ug/L		76	42 - 153	183	35
beta-BHC	ND	F1 F2	0.490	0.397	F2	ug/L		81	31 - 120	176	35
4,4'-DDD	ND	F1 F2	0.490	0.495	F2	ug/L		101	32 - 135	168	35
4,4'-DDE	ND	F1 F2	0.490	0.403	F2	ug/L		82	19 - 125	182	35
4,4'-DDT	ND	F1 F2	0.490	0.250	F2	ug/L		51	22 - 139	118	35
delta-BHC	ND	F1	0.490	0.466		ug/L		95	28 - 132	NC	35
Dieldrin	ND	F1 F2	0.490	0.439	F2	ug/L		90	38 - 120	173	35
Endosulfan I	ND	F1 F2	0.490	0.382	F2	ug/L		78	21 - 120	175	35
Endosulfan II	ND	F1 F2	0.490	0.397	F2	ug/L		81	24 - 120	158	35
Endosulfan sulfate	ND	F1	0.490	0.452		ug/L		92	39 - 120	NC	31
Endrin	ND	F1 F2	0.490	0.422	F2	ug/L		86	25 - 151	165	35
Endrin aldehyde	ND	F1 F2	0.490	0.348	F2	ug/L		71	22 - 121	156	35
Endrin ketone	ND	F1	0.490	0.306		ug/L		62	39 - 138	NC	35
gamma-BHC (Lindane)	ND	F1	0.490	0.309		ug/L		63	50 - 120	NC	21
gamma-Chlordane	ND	F1	0.490	0.348	p	ug/L		71	45 - 153	NC	26
Heptachlor	ND	F1 F2	0.490	0.287	F2	ug/L		58	26 - 126	166	35
Heptachlor epoxide	ND	F1	0.490	0.337		ug/L		69	41 - 120	NC	35
Methoxychlor	ND	F1 F2	0.490	0.180	F2	ug/L		37	29 - 130	131	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*70*		*10 - 120*
DCB Decachlorobiphenyl	*64*		*10 - 120*
Tetrachloro-m-xylene	*60*		*33 - 120*
Tetrachloro-m-xylene	*61*		*33 - 120*

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

Lab Sample ID: MB 240-289294/5-A
Matrix: Water
Analysis Batch: 289509

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 289294

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.050	0.013	ug/L		07/31/17 09:02	08/01/17 14:22	1
alpha-BHC	ND		0.050	0.014	ug/L		07/31/17 09:02	08/01/17 14:22	1
alpha-Chlordane	ND		0.050	0.012	ug/L		07/31/17 09:02	08/01/17 14:22	1
beta-BHC	ND		0.050	0.018	ug/L		07/31/17 09:02	08/01/17 14:22	1
4,4'-DDD	ND		0.050	0.018	ug/L		07/31/17 09:02	08/01/17 14:22	1
4,4'-DDE	ND		0.050	0.012	ug/L		07/31/17 09:02	08/01/17 14:22	1
4,4'-DDT	ND		0.050	0.017	ug/L		07/31/17 09:02	08/01/17 14:22	1
delta-BHC	ND		0.050	0.029	ug/L		07/31/17 09:02	08/01/17 14:22	1
Dieldrin	ND		0.050	0.013	ug/L		07/31/17 09:02	08/01/17 14:22	1
Endosulfan I	ND		0.050	0.016	ug/L		07/31/17 09:02	08/01/17 14:22	1
Endosulfan II	ND		0.050	0.015	ug/L		07/31/17 09:02	08/01/17 14:22	1
Endosulfan sulfate	ND		0.050	0.015	ug/L		07/31/17 09:02	08/01/17 14:22	1
Endrin	ND		0.050	0.013	ug/L		07/31/17 09:02	08/01/17 14:22	1
Endrin aldehyde	ND		0.050	0.018	ug/L		07/31/17 09:02	08/01/17 14:22	1
Endrin ketone	ND		0.050	0.016	ug/L		07/31/17 09:02	08/01/17 14:22	1
gamma-BHC (Lindane)	ND		0.050	0.013	ug/L		07/31/17 09:02	08/01/17 14:22	1
gamma-Chlordane	ND		0.050	0.013	ug/L		07/31/17 09:02	08/01/17 14:22	1
Heptachlor	ND		0.050	0.014	ug/L		07/31/17 09:02	08/01/17 14:22	1
Heptachlor epoxide	ND		0.050	0.015	ug/L		07/31/17 09:02	08/01/17 14:22	1
Methoxychlor	ND		0.10	0.013	ug/L		07/31/17 09:02	08/01/17 14:22	1
Toxaphene	ND		2.0	0.20	ug/L		07/31/17 09:02	08/01/17 14:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*77*		*10 - 120*	*07/31/17 09:02*	*08/01/17 14:22*	*1*
DCB Decachlorobiphenyl	*72*		*10 - 120*	*07/31/17 09:02*	*08/01/17 14:22*	*1*
Tetrachloro-m-xylene	*70*		*33 - 120*	*07/31/17 09:02*	*08/01/17 14:22*	*1*
Tetrachloro-m-xylene	*68*		*33 - 120*	*07/31/17 09:02*	*08/01/17 14:22*	*1*

Lab Sample ID: LCS 240-289294/6-A
Matrix: Water
Analysis Batch: 289509

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 289294

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	0.500	0.339		ug/L		68	39 - 120
alpha-BHC	0.500	0.422		ug/L		84	55 - 122
alpha-Chlordane	0.500	0.372		ug/L		74	52 - 121
beta-BHC	0.500	0.444		ug/L		89	36 - 140
4,4'-DDD	0.500	0.395		ug/L		79	50 - 129
4,4'-DDE	0.500	0.332		ug/L		66	48 - 121
4,4'-DDT	0.500	0.363		ug/L		73	56 - 129
delta-BHC	0.500	0.465		ug/L		93	45 - 120
Dieldrin	0.500	0.412		ug/L		82	49 - 120
Endosulfan I	0.500	0.358		ug/L		72	25 - 120
Endosulfan II	0.500	0.392		ug/L		78	43 - 120
Endosulfan sulfate	0.500	0.451		ug/L		90	53 - 120
Endrin	0.500	0.454		ug/L		91	49 - 120
Endrin aldehyde	0.500	0.486		ug/L		97	47 - 120
Endrin ketone	0.500	0.437		ug/L		87	56 - 121

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

Lab Sample ID: LCS 240-289294/6-A
Matrix: Water
Analysis Batch: 289509

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 289294

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
gamma-BHC (Lindane)	0.500	0.375		ug/L		75	42 - 120
gamma-Chlordane	0.500	0.363		ug/L		73	52 - 122
Heptachlor	0.500	0.381		ug/L		76	50 - 120
Heptachlor epoxide	0.500	0.402		ug/L		80	50 - 120
Methoxychlor	0.500	0.409		ug/L		82	47 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*63*		*10 - 120*
DCB Decachlorobiphenyl	*61*		*10 - 120*
Tetrachloro-m-xylene	*71*		*33 - 120*
Tetrachloro-m-xylene	*68*		*33 - 120*

Lab Sample ID: 240-82589-3 MS
Matrix: Water
Analysis Batch: 289509

Client Sample ID: W-4 OHIO CANAL @ KENMORE BLVD
Prep Type: Total/NA
Prep Batch: 289294

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	ND	H	0.495	0.343	H	ug/L		69	30 - 120
alpha-BHC	ND	H	0.495	0.358	H	ug/L		72	54 - 120
alpha-Chlordane	ND	H	0.495	0.348	H	ug/L		70	42 - 153
beta-BHC	ND	H	0.495	0.379	H	ug/L		77	31 - 120
4,4'-DDD	ND	H	0.495	0.384	H	ug/L		78	32 - 135
4,4'-DDE	ND	H	0.495	0.382	H	ug/L		77	19 - 125
4,4'-DDT	ND	H	0.495	0.394	H	ug/L		80	22 - 139
delta-BHC	ND	H	0.495	0.407	H	ug/L		82	28 - 132
Dieldrin	ND	H	0.495	0.380	H	ug/L		77	38 - 120
Endosulfan I	ND	H	0.495	0.327	H	ug/L		66	21 - 120
Endosulfan II	ND	H	0.495	0.337	H	ug/L		68	24 - 120
Endosulfan sulfate	ND	H	0.495	0.427	H	ug/L		86	39 - 120
Endrin	ND	H	0.495	0.417	H	ug/L		84	25 - 151
Endrin aldehyde	ND	H	0.495	0.437	H	ug/L		88	22 - 121
Endrin ketone	ND	H	0.495	0.399	H	ug/L		81	39 - 138
gamma-BHC (Lindane)	ND	H	0.495	0.324	H	ug/L		65	50 - 120
gamma-Chlordane	ND	H	0.495	0.327	H	ug/L		66	45 - 153
Heptachlor	ND	H	0.495	0.334	H	ug/L		68	26 - 126
Heptachlor epoxide	ND	H	0.495	0.343	H	ug/L		69	41 - 120
Methoxychlor	ND	H	0.495	0.411	H	ug/L		83	29 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*69*		*10 - 120*
DCB Decachlorobiphenyl	*69*		*10 - 120*
Tetrachloro-m-xylene	*63*		*33 - 120*
Tetrachloro-m-xylene	*62*		*33 - 120*

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

Lab Sample ID: 240-82589-3 MSD
Matrix: Water
Analysis Batch: 289509

Client Sample ID: W-4 OHIO CANAL @ KENMORE BLVD
Prep Type: Total/NA
Prep Batch: 289294

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aldrin	ND	H	0.490	0.352	H	ug/L		72	30 - 120	3	35
alpha-BHC	ND	H	0.490	0.386	H	ug/L		79	54 - 120	8	20
alpha-Chlordane	ND	H	0.490	0.361	H	ug/L		74	42 - 153	4	35
beta-BHC	ND	H	0.490	0.426	H	ug/L		87	31 - 120	12	35
4,4'-DDD	ND	H	0.490	0.393	H	ug/L		80	32 - 135	2	35
4,4'-DDE	ND	H	0.490	0.359	H	ug/L		73	19 - 125	6	35
4,4'-DDT	ND	H	0.490	0.387	H	ug/L		79	22 - 139	2	35
delta-BHC	ND	H	0.490	0.419	H	ug/L		86	28 - 132	3	35
Dieldrin	ND	H	0.490	0.400	H	ug/L		82	38 - 120	5	35
Endosulfan I	ND	H	0.490	0.335	H	ug/L		68	21 - 120	2	35
Endosulfan II	ND	H	0.490	0.333	H	ug/L		68	24 - 120	1	35
Endosulfan sulfate	ND	H	0.490	0.446	H	ug/L		91	39 - 120	4	31
Endrin	ND	H	0.490	0.437	H	ug/L		89	25 - 151	5	35
Endrin aldehyde	ND	H F2	0.490	0.443	H	ug/L		90	22 - 121	6	35
Endrin ketone	ND	H	0.490	0.415	H	ug/L		85	39 - 138	4	35
gamma-BHC (Lindane)	ND	H	0.490	0.356	H	ug/L		73	50 - 120	9	21
gamma-Chlordane	ND	H	0.490	0.334	H	ug/L		68	45 - 153	2	26
Heptachlor	ND	H	0.490	0.322	H	ug/L		66	26 - 126	4	35
Heptachlor epoxide	ND	H	0.490	0.356	H	ug/L		73	41 - 120	4	35
Methoxychlor	ND	H	0.490	0.418	H	ug/L		85	29 - 130	2	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*53*		*10 - 120*
DCB Decachlorobiphenyl	*53*		*10 - 120*
Tetrachloro-m-xylene	*69*		*33 - 120*
Tetrachloro-m-xylene	*68*		*33 - 120*

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

Lab Sample ID: MB 240-288746/20-A
Matrix: Water
Analysis Batch: 289022

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 288746

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		0.10	0.050	ug/L		07/26/17 10:27	07/28/17 07:52	1
Aroclor-1221	ND		0.10	0.090	ug/L		07/26/17 10:27	07/28/17 07:52	1
Aroclor-1232	ND		0.10	0.070	ug/L		07/26/17 10:27	07/28/17 07:52	1
Aroclor-1242	ND		0.10	0.060	ug/L		07/26/17 10:27	07/28/17 07:52	1
Aroclor-1248	ND		0.10	0.050	ug/L		07/26/17 10:27	07/28/17 07:52	1
Aroclor-1254	ND		0.10	0.030	ug/L		07/26/17 10:27	07/28/17 07:52	1
Aroclor-1260	ND		0.10	0.040	ug/L		07/26/17 10:27	07/28/17 07:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*69*		*21 - 120*	*07/26/17 10:27*	*07/28/17 07:52*	*1*
DCB Decachlorobiphenyl	*84*		*10 - 120*	*07/26/17 10:27*	*07/28/17 07:52*	*1*

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

Lab Sample ID: LCS 240-288746/21-A
Matrix: Water
Analysis Batch: 289022

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 288746

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor-1016	2.50	1.54		ug/L		61	32 - 120
Aroclor-1260	2.50	1.74		ug/L		70	36 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*73*		*21 - 120*
DCB Decachlorobiphenyl	*88*		*10 - 120*

Lab Sample ID: 240-82589-3 MS
Matrix: Water
Analysis Batch: 289022

Client Sample ID: W-4 OHIO CANAL @ KENMORE BLVD
Prep Type: Total/NA
Prep Batch: 288746

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor-1016	ND		2.38	1.32		ug/L		56	24 - 121
Aroclor-1260	ND		2.38	1.30		ug/L		55	10 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Tetrachloro-m-xylene	*64*		*21 - 120*
DCB Decachlorobiphenyl	*64*		*10 - 120*

Lab Sample ID: 240-82589-3 MSD
Matrix: Water
Analysis Batch: 289022

Client Sample ID: W-4 OHIO CANAL @ KENMORE BLVD
Prep Type: Total/NA
Prep Batch: 288746

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor-1016	ND		2.45	1.21		ug/L		49	24 - 121	9	30
Aroclor-1260	ND		2.45	1.29		ug/L		53	10 - 120	1	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*56*		*21 - 120*
DCB Decachlorobiphenyl	*60*		*10 - 120*

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 240-288141/7-A
Matrix: Water
Analysis Batch: 288511

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 288141

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	ND		4.0	1.1	ug/L		07/21/17 08:41	07/26/17 00:08	1
Silvex (2,4,5-TP)	ND		1.0	0.20	ug/L		07/21/17 08:41	07/26/17 00:08	1
2,4,5-T	ND		1.0	0.24	ug/L		07/21/17 08:41	07/26/17 00:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*77*		*38 - 120*	*07/21/17 08:41*	*07/26/17 00:08*	*1*
2,4-Dichlorophenylacetic acid	*83*		*38 - 120*	*07/21/17 08:41*	*07/26/17 00:08*	*1*

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: LCS 240-288141/8-A
Matrix: Water
Analysis Batch: 288511

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 288141

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-D	20.0	18.8		ug/L		94	46 - 141
Silvex (2,4,5-TP)	5.00	4.80		ug/L		96	54 - 122
2,4,5-T	5.00	5.44		ug/L		109	50 - 139

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*79*		*38 - 120*
2,4-Dichlorophenylacetic acid	*86*		*38 - 120*

Lab Sample ID: 240-82589-3 MS
Matrix: Water
Analysis Batch: 288511

Client Sample ID: W-4 OHIO CANAL @ KENMORE BLVD
Prep Type: Total/NA
Prep Batch: 288141

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-D	ND		20.0	18.6		ug/L		93	71 - 133
Silvex (2,4,5-TP)	ND		5.00	4.79		ug/L		96	75 - 125
2,4,5-T	ND	F1	5.00	5.47		ug/L		109	74 - 129

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*79*		*38 - 120*
2,4-Dichlorophenylacetic acid	*87*		*38 - 120*

Lab Sample ID: 240-82589-3 MSD
Matrix: Water
Analysis Batch: 288511

Client Sample ID: W-4 OHIO CANAL @ KENMORE BLVD
Prep Type: Total/NA
Prep Batch: 288141

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-D	ND		20.0	19.0		ug/L		95	71 - 133	2	21
Silvex (2,4,5-TP)	ND		5.00	4.81		ug/L		96	75 - 125	0	18
2,4,5-T	ND	F1	5.00	5.35		ug/L		107	74 - 129	2	17

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*79*		*38 - 120*
2,4-Dichlorophenylacetic acid	*88*		*38 - 120*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 240-288204/1-A
Matrix: Water
Analysis Batch: 288623

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 288204

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	52.3	J	200	40	ug/L		07/21/17 14:00	07/26/17 00:07	1
Arsenic	ND		10	3.3	ug/L		07/21/17 14:00	07/26/17 00:07	1
Barium	ND		200	2.4	ug/L		07/21/17 14:00	07/26/17 00:07	1
Cadmium	ND		2.0	0.29	ug/L		07/21/17 14:00	07/26/17 00:07	1
Calcium	ND		5000	710	ug/L		07/21/17 14:00	07/26/17 00:07	1
Chromium	ND		5.0	0.55	ug/L		07/21/17 14:00	07/26/17 00:07	1

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

Lab Sample ID: MB 240-288204/1-A
Matrix: Water
Analysis Batch: 288623

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 288204

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	ND		25	3.9	ug/L		07/21/17 14:00	07/26/17 00:07	1
Iron	ND		100	25	ug/L		07/21/17 14:00	07/26/17 00:07	1
Lead	ND		5.0	1.9	ug/L		07/21/17 14:00	07/26/17 00:07	1
Magnesium	ND		5000	230	ug/L		07/21/17 14:00	07/26/17 00:07	1
Manganese	ND		15	5.1	ug/L		07/21/17 14:00	07/26/17 00:07	1
Nickel	ND		40	1.6	ug/L		07/21/17 14:00	07/26/17 00:07	1
Potassium	121	J	5000	70	ug/L		07/21/17 14:00	07/26/17 00:07	1
Selenium	ND		15	5.1	ug/L		07/21/17 14:00	07/26/17 00:07	1
Sodium	ND		5000	330	ug/L		07/21/17 14:00	07/26/17 00:07	1
Strontium	ND		50	9.0	ug/L		07/21/17 14:00	07/26/17 00:07	1
Zinc	ND		50	16	ug/L		07/21/17 14:00	07/26/17 00:07	1

Lab Sample ID: LCS 240-288204/2-A
Matrix: Water
Analysis Batch: 288623

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 288204

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	2000	1980		ug/L		99	80 - 120
Arsenic	2000	2050		ug/L		102	80 - 120
Barium	2000	1940		ug/L		97	80 - 120
Cadmium	50.0	50.9		ug/L		102	80 - 120
Calcium	50000	50000		ug/L		100	80 - 120
Chromium	200	199		ug/L		100	80 - 120
Copper	250	247		ug/L		99	80 - 120
Iron	1000	1010		ug/L		101	80 - 120
Lead	500	488		ug/L		98	80 - 120
Magnesium	50000	50200		ug/L		100	80 - 120
Manganese	500	502		ug/L		100	80 - 120
Nickel	500	494		ug/L		99	80 - 120
Potassium	50000	49100		ug/L		98	80 - 120
Selenium	2000	2060		ug/L		103	80 - 120
Sodium	50000	49300		ug/L		99	80 - 120
Strontium	1000	986		ug/L		99	80 - 120
Zinc	500	502		ug/L		100	80 - 120

Lab Sample ID: 240-82589-1 MS
Matrix: Water
Analysis Batch: 288623

Client Sample ID: W-1 SUMMIT LAKE L-1-SURFACE
Prep Type: Total Recoverable
Prep Batch: 288204

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	ND		2000	2010		ug/L		101	75 - 125
Arsenic	3.3	J	2000	2110		ug/L		105	75 - 125
Barium	50	J	2000	2030		ug/L		99	75 - 125
Cadmium	ND		50.0	52.5		ug/L		105	75 - 125
Calcium	48000		50000	97500		ug/L		99	75 - 125
Chromium	ND		200	202		ug/L		101	75 - 125
Copper	ND		250	253		ug/L		101	75 - 125
Iron	45	J	1000	1050		ug/L		101	75 - 125
Lead	ND		500	497		ug/L		99	75 - 125

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

Lab Sample ID: 240-82589-1 MS
Matrix: Water
Analysis Batch: 288623

Client Sample ID: W-1 SUMMIT LAKE L-1-SURFACE
Prep Type: Total Recoverable
Prep Batch: 288204

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Magnesium	14000		50000	64500		ug/L		100	75 - 125
Manganese	35		500	542		ug/L		101	75 - 125
Nickel	ND		500	504		ug/L		101	75 - 125
Potassium	3200	J B	50000	54200		ug/L		102	75 - 125
Selenium	ND		2000	2100		ug/L		105	75 - 125
Sodium	75000		50000	124000		ug/L		98	75 - 125
Strontium	180		1000	1170		ug/L		99	75 - 125
Zinc	ND		500	510		ug/L		102	75 - 125

Lab Sample ID: 240-82589-1 MSD
Matrix: Water
Analysis Batch: 288623

Client Sample ID: W-1 SUMMIT LAKE L-1-SURFACE
Prep Type: Total Recoverable
Prep Batch: 288204

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	ND		2000	1940		ug/L		97	75 - 125	3	20
Arsenic	3.3	J	2000	2070		ug/L		104	75 - 125	2	20
Barium	50	J	2000	1970		ug/L		96	75 - 125	3	20
Cadmium	ND		50.0	51.7		ug/L		103	75 - 125	2	20
Calcium	48000		50000	95900		ug/L		96	75 - 125	2	20
Chromium	ND		200	198		ug/L		99	75 - 125	2	20
Copper	ND		250	250		ug/L		100	75 - 125	2	20
Iron	45	J	1000	1030		ug/L		99	75 - 125	2	20
Lead	ND		500	489		ug/L		98	75 - 125	2	20
Magnesium	14000		50000	63600		ug/L		99	75 - 125	1	20
Manganese	35		500	534		ug/L		100	75 - 125	2	20
Nickel	ND		500	494		ug/L		99	75 - 125	2	20
Potassium	3200	J B	50000	52800		ug/L		99	75 - 125	3	20
Selenium	ND		2000	2070		ug/L		103	75 - 125	2	20
Sodium	75000		50000	121000		ug/L		92	75 - 125	2	20
Strontium	180		1000	1150		ug/L		96	75 - 125	2	20
Zinc	ND		500	502		ug/L		100	75 - 125	2	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 240-288208/1-A
Matrix: Water
Analysis Batch: 288460

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 288208

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.13	ug/L		07/21/17 14:00	07/24/17 15:45	1

Lab Sample ID: LCS 240-288208/2-A
Matrix: Water
Analysis Batch: 288460

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 288208

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	5.00	4.94		ug/L		99	80 - 120

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: 240-82589-1 MS — **Client Sample ID: W-1 SUMMIT LAKE L-1-SURFACE**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 288460 — **Prep Batch: 288208**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	ND		1.00	1.13		ug/L		113	80 - 120

Lab Sample ID: 240-82589-1 MSD — **Client Sample ID: W-1 SUMMIT LAKE L-1-SURFACE**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 288460 — **Prep Batch: 288208**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		1.00	0.998		ug/L		100	80 - 120	13	20

Method: 2320B-1997 - Alkalinity, Total

Lab Sample ID: MB 240-288558/5 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 288558

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	ND		5.0	2.6	mg/L			07/24/17 15:52	1

Lab Sample ID: LCS 240-288558/4 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 288558

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity	377	372		mg/L		99	86 - 123

Lab Sample ID: 240-82589-2 DU — **Client Sample ID: W-3 SUMMIT LAKE L-1-BOTTOM**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 288558

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Alkalinity	170		169		mg/L		0.2	20

Method: 2340C-1997 - Hardness, Total

Lab Sample ID: MB 240-288451/1 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 288451

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	ND		5.0	2.4	mg/L			07/24/17 11:00	1

Lab Sample ID: LCS 240-288451/2 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 288451

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Hardness as calcium carbonate	170	182		mg/L		107	90 - 110

Method: 2340C-1997 - Hardness, Total (Continued)

Lab Sample ID: 240-82589-4 DU — **Client Sample ID: W-5 OHIO CANAL @ SOUTH AVE**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 288451

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Hardness as calcium carbonate	200		206		mg/L		1	20

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 240-288425/3 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 288425

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.0	0.28	mg/L			07/24/17 13:23	1
Sulfate	ND		1.0	0.35	mg/L			07/24/17 13:23	1

Lab Sample ID: LCS 240-288425/4 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 288425

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	50.4		mg/L		101	90 - 110
Sulfate	50.0	51.9		mg/L		104	90 - 110

Lab Sample ID: 240-82589-3 MS — **Client Sample ID: W-4 OHIO CANAL @ KENMORE BLVD**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 288425

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	130		50.0	175		mg/L		91	80 - 120
Sulfate	38		50.0	89.5		mg/L		103	80 - 120

Lab Sample ID: 240-82589-3 MSD — **Client Sample ID: W-4 OHIO CANAL @ KENMORE BLVD**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 288425

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	130		50.0	175		mg/L		92	80 - 120	0	15
Sulfate	38		50.0	89.8		mg/L		104	80 - 120	0	15

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 480-368603/27 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 368603

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	ND		0.020	0.0090	mg/L			07/25/17 11:33	1

Method: 350.1 - Nitrogen, Ammonia (Continued)

Lab Sample ID: MB 480-368603/3
Matrix: Water
Analysis Batch: 368603

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	ND		0.020	0.0090	mg/L			07/25/17 11:12	1

Lab Sample ID: LCS 480-368603/28
Matrix: Water
Analysis Batch: 368603

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia	1.00	1.06		mg/L		106	90 - 110

Lab Sample ID: LCS 480-368603/4
Matrix: Water
Analysis Batch: 368603

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia	1.00	1.07		mg/L		107	90 - 110

Method: 351.2 - Nitrogen, Total Kjeldahl

Lab Sample ID: MB 480-368684/1-A
Matrix: Water
Analysis Batch: 368768

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 368684

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Kjeldahl Nitrogen	ND		0.20	0.15	mg/L		07/25/17 16:40	07/26/17 07:52	1

Lab Sample ID: LCS 480-368684/2-A
Matrix: Water
Analysis Batch: 368768

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 368684

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Kjeldahl Nitrogen	2.50	2.43		mg/L		97	90 - 110

Method: 353.2 - Nitrogen, Nitrate-Nitrite

Lab Sample ID: MB 240-288834/4
Matrix: Water
Analysis Batch: 288834

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.050	0.031	mg/L			07/26/17 14:54	1

Lab Sample ID: LCS 240-288834/5
Matrix: Water
Analysis Batch: 288834

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate Nitrite as N	1.22	1.30		mg/L		107	90 - 110

Method: 4500 P E-1999 - Orthophosphate

Lab Sample ID: MB 240-288078/3
Matrix: Water
Analysis Batch: 288078

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Orthophosphate as P	ND		0.10	0.040	mg/L			07/20/17 16:12	1

Lab Sample ID: LCS 240-288078/4
Matrix: Water
Analysis Batch: 288078

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Orthophosphate as P	0.850	0.833		mg/L		98	80 - 120

Method: 5220D-1997 - Chemical Oxygen Demand

Lab Sample ID: MB 240-288709/9
Matrix: Water
Analysis Batch: 288709

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	ND		10	4.1	mg/L			07/26/17 10:19	1

Lab Sample ID: LCS 240-288709/10
Matrix: Water
Analysis Batch: 288709

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chemical Oxygen Demand	55.2	53.8		mg/L		98	90 - 110

Lab Sample ID: 240-82589-2 MS
Matrix: Water
Analysis Batch: 288709

Client Sample ID: W-3 SUMMIT LAKE L-1-BOTTOM
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chemical Oxygen Demand	22		50.0	67.8		mg/L		92	90 - 110

Method: 5310C-2000 - Total Organic Carbon/Persulfate - Ultrav

Lab Sample ID: MB 240-288314/4
Matrix: Water
Analysis Batch: 288314

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.0	0.14	mg/L			07/21/17 09:13	1

Lab Sample ID: LCS 240-288314/6
Matrix: Water
Analysis Batch: 288314

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	21.8	23.3		mg/L		107	80 - 120

Method: 5310C-2000 - Total Organic Carbon/Persulfate - Ultrav (Continued)

Lab Sample ID: LLCS 240-288314/5
Matrix: Water
Analysis Batch: 288314

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	2.18	2.30		mg/L		106	88 - 115

Lab Sample ID: 240-82589-1 MS
Matrix: Water
Analysis Batch: 288314

Client Sample ID: W-1 SUMMIT LAKE L-1-SURFACE
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	3.3		25.0	32.2		mg/L		116	65 - 134

Lab Sample ID: 240-82589-1 MSD
Matrix: Water
Analysis Batch: 288314

Client Sample ID: W-1 SUMMIT LAKE L-1-SURFACE
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Organic Carbon	3.3		25.0	31.0		mg/L		111	65 - 134	4	10

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 240-288644/1
Matrix: Water
Analysis Batch: 288644

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10	7.8	mg/L			07/25/17 14:52	1

Lab Sample ID: LCS 240-288644/2
Matrix: Water
Analysis Batch: 288644

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	242	229		mg/L		95	80 - 120

Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 240-288598/1
Matrix: Water
Analysis Batch: 288598

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	2.2	mg/L			07/25/17 11:38	1

Lab Sample ID: LCS 240-288598/2
Matrix: Water
Analysis Batch: 288598

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	59.1	47.0		mg/L		80	64 - 120

Method: SM 4500 P E - Phosphorus

Lab Sample ID: MB 480-368765/27
Matrix: Water
Analysis Batch: 368765

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phosphorus	ND		0.010	0.0050	mg/L			07/26/17 09:55	1
Phosphorus as PO4	ND		0.031	0.015	mg/L			07/26/17 09:55	1

Lab Sample ID: LCS 480-368765/28
Matrix: Water
Analysis Batch: 368765

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Phosphorus	0.200	0.204		mg/L		102	90 - 110
Phosphorus as PO4	0.613	0.624		mg/L		102	90 - 110

QC Association Summary

Client: EnviroScience Inc
Project/Site: Summit Lake Water Quality

TestAmerica Job ID: 240-82589-1

GC/MS Semi VOA

Prep Batch: 288135

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-82589-1	W-1 SUMMIT LAKE L-1-SURFACE	Total/NA	Water	3510C	
240-82589-2	W-3 SUMMIT LAKE L-1-BOTTOM	Total/NA	Water	3510C	
240-82589-3	W-4 OHIO CANAL @ KENMORE BLVD	Total/NA	Water	3510C	
240-82589-4	W-5 OHIO CANAL @ SOUTH AVE	Total/NA	Water	3510C	
MB 240-288135/20-A	Method Blank	Total/NA	Water	3510C	
LCS 240-288135/21-A	Lab Control Sample	Total/NA	Water	3510C	
240-82589-3 MS	W-4 OHIO CANAL @ KENMORE BLVD	Total/NA	Water	3510C	
240-82589-3 MSD	W-4 OHIO CANAL @ KENMORE BLVD	Total/NA	Water	3510C	

Analysis Batch: 288512

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-82589-1	W-1 SUMMIT LAKE L-1-SURFACE	Total/NA	Water	8270C	288135
240-82589-2	W-3 SUMMIT LAKE L-1-BOTTOM	Total/NA	Water	8270C	288135
240-82589-3	W-4 OHIO CANAL @ KENMORE BLVD	Total/NA	Water	8270C	288135
240-82589-4	W-5 OHIO CANAL @ SOUTH AVE	Total/NA	Water	8270C	288135
MB 240-288135/20-A	Method Blank	Total/NA	Water	8270C	288135
LCS 240-288135/21-A	Lab Control Sample	Total/NA	Water	8270C	288135
240-82589-3 MS	W-4 OHIO CANAL @ KENMORE BLVD	Total/NA	Water	8270C	288135
240-82589-3 MSD	W-4 OHIO CANAL @ KENMORE BLVD	Total/NA	Water	8270C	288135

GC Semi VOA

Prep Batch: 288141

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-82589-1	W-1 SUMMIT LAKE L-1-SURFACE	Total/NA	Water	8151A	
240-82589-2	W-3 SUMMIT LAKE L-1-BOTTOM	Total/NA	Water	8151A	
240-82589-3	W-4 OHIO CANAL @ KENMORE BLVD	Total/NA	Water	8151A	
240-82589-4	W-5 OHIO CANAL @ SOUTH AVE	Total/NA	Water	8151A	
MB 240-288141/7-A	Method Blank	Total/NA	Water	8151A	
LCS 240-288141/8-A	Lab Control Sample	Total/NA	Water	8151A	
240-82589-3 MS	W-4 OHIO CANAL @ KENMORE BLVD	Total/NA	Water	8151A	
240-82589-3 MSD	W-4 OHIO CANAL @ KENMORE BLVD	Total/NA	Water	8151A	

Prep Batch: 288162

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-82589-1	W-1 SUMMIT LAKE L-1-SURFACE	Total/NA	Water	3520C	
240-82589-2	W-3 SUMMIT LAKE L-1-BOTTOM	Total/NA	Water	3520C	
240-82589-4	W-5 OHIO CANAL @ SOUTH AVE	Total/NA	Water	3520C	
MB 240-288162/8-A	Method Blank	Total/NA	Water	3520C	
LCS 240-288162/9-A	Lab Control Sample	Total/NA	Water	3520C	

Prep Batch: 288387

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-82589-3	W-4 OHIO CANAL @ KENMORE BLVD	Total/NA	Water	3520C	
MB 240-288387/3-A	Method Blank	Total/NA	Water	3520C	
LCS 240-288387/4-A	Lab Control Sample	Total/NA	Water	3520C	
240-82589-3 MS	W-4 OHIO CANAL @ KENMORE BLVD	Total/NA	Water	3520C	
240-82589-3 MSD	W-4 OHIO CANAL @ KENMORE BLVD	Total/NA	Water	3520C	

GC Semi VOA (Continued)

Analysis Batch: 288511

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-82589-1	W-1 SUMMIT LAKE L-1-SURFACE	Total/NA	Water	8151A	288141
240-82589-2	W-3 SUMMIT LAKE L-1-BOTTOM	Total/NA	Water	8151A	288141
240-82589-3	W-4 OHIO CANAL @ KENMORE BLVD	Total/NA	Water	8151A	288141
240-82589-4	W-5 OHIO CANAL @ SOUTH AVE	Total/NA	Water	8151A	288141
MB 240-288141/7-A	Method Blank	Total/NA	Water	8151A	288141
LCS 240-288141/8-A	Lab Control Sample	Total/NA	Water	8151A	288141
240-82589-3 MS	W-4 OHIO CANAL @ KENMORE BLVD	Total/NA	Water	8151A	288141
240-82589-3 MSD	W-4 OHIO CANAL @ KENMORE BLVD	Total/NA	Water	8151A	288141

Prep Batch: 288746

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-82589-1	W-1 SUMMIT LAKE L-1-SURFACE	Total/NA	Water	3520C	
240-82589-2	W-3 SUMMIT LAKE L-1-BOTTOM	Total/NA	Water	3520C	
240-82589-3	W-4 OHIO CANAL @ KENMORE BLVD	Total/NA	Water	3520C	
240-82589-4	W-5 OHIO CANAL @ SOUTH AVE	Total/NA	Water	3520C	
MB 240-288746/20-A	Method Blank	Total/NA	Water	3520C	
LCS 240-288746/21-A	Lab Control Sample	Total/NA	Water	3520C	
240-82589-3 MS	W-4 OHIO CANAL @ KENMORE BLVD	Total/NA	Water	3520C	
240-82589-3 MSD	W-4 OHIO CANAL @ KENMORE BLVD	Total/NA	Water	3520C	

Analysis Batch: 288872

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-82589-1	W-1 SUMMIT LAKE L-1-SURFACE	Total/NA	Water	8081A	288162
240-82589-2	W-3 SUMMIT LAKE L-1-BOTTOM	Total/NA	Water	8081A	288162
240-82589-4	W-5 OHIO CANAL @ SOUTH AVE	Total/NA	Water	8081A	288162
MB 240-288162/8-A	Method Blank	Total/NA	Water	8081A	288162
LCS 240-288162/9-A	Lab Control Sample	Total/NA	Water	8081A	288162

Analysis Batch: 289022

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-82589-1	W-1 SUMMIT LAKE L-1-SURFACE	Total/NA	Water	8082	288746
240-82589-2	W-3 SUMMIT LAKE L-1-BOTTOM	Total/NA	Water	8082	288746
240-82589-3	W-4 OHIO CANAL @ KENMORE BLVD	Total/NA	Water	8082	288746
240-82589-4	W-5 OHIO CANAL @ SOUTH AVE	Total/NA	Water	8082	288746
MB 240-288746/20-A	Method Blank	Total/NA	Water	8082	288746
LCS 240-288746/21-A	Lab Control Sample	Total/NA	Water	8082	288746
240-82589-3 MS	W-4 OHIO CANAL @ KENMORE BLVD	Total/NA	Water	8082	288746
240-82589-3 MSD	W-4 OHIO CANAL @ KENMORE BLVD	Total/NA	Water	8082	288746

Analysis Batch: 289112

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-82589-3	W-4 OHIO CANAL @ KENMORE BLVD	Total/NA	Water	8081A	288387
MB 240-288387/3-A	Method Blank	Total/NA	Water	8081A	288387
LCS 240-288387/4-A	Lab Control Sample	Total/NA	Water	8081A	288387
240-82589-3 MS	W-4 OHIO CANAL @ KENMORE BLVD	Total/NA	Water	8081A	288387
240-82589-3 MSD	W-4 OHIO CANAL @ KENMORE BLVD	Total/NA	Water	8081A	288387

Prep Batch: 289294

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-82589-3	W-4 OHIO CANAL @ KENMORE BLVD	Total/NA	Water	3520C	
MB 240-289294/5-A	Method Blank	Total/NA	Water	3520C	

GC Semi VOA (Continued)

Prep Batch: 289294 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 240-289294/6-A	Lab Control Sample	Total/NA	Water	3520C	
240-82589-3 MS	W-4 OHIO CANAL @ KENMORE BLVD	Total/NA	Water	3520C	
240-82589-3 MSD	W-4 OHIO CANAL @ KENMORE BLVD	Total/NA	Water	3520C	

Analysis Batch: 289509

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-82589-3	W-4 OHIO CANAL @ KENMORE BLVD	Total/NA	Water	8081A	289294
MB 240-289294/5-A	Method Blank	Total/NA	Water	8081A	289294
LCS 240-289294/6-A	Lab Control Sample	Total/NA	Water	8081A	289294
240-82589-3 MS	W-4 OHIO CANAL @ KENMORE BLVD	Total/NA	Water	8081A	289294
240-82589-3 MSD	W-4 OHIO CANAL @ KENMORE BLVD	Total/NA	Water	8081A	289294

Metals

Prep Batch: 288204

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-82589-1	W-1 SUMMIT LAKE L-1-SURFACE	Total Recoverable	Water	3005A	
240-82589-2	W-3 SUMMIT LAKE L-1-BOTTOM	Total Recoverable	Water	3005A	
240-82589-3	W-4 OHIO CANAL @ KENMORE BLVD	Total Recoverable	Water	3005A	
240-82589-4	W-5 OHIO CANAL @ SOUTH AVE	Total Recoverable	Water	3005A	
MB 240-288204/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 240-288204/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
240-82589-1 MS	W-1 SUMMIT LAKE L-1-SURFACE	Total Recoverable	Water	3005A	
240-82589-1 MSD	W-1 SUMMIT LAKE L-1-SURFACE	Total Recoverable	Water	3005A	

Prep Batch: 288208

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-82589-1	W-1 SUMMIT LAKE L-1-SURFACE	Total/NA	Water	7470A	
240-82589-2	W-3 SUMMIT LAKE L-1-BOTTOM	Total/NA	Water	7470A	
240-82589-3	W-4 OHIO CANAL @ KENMORE BLVD	Total/NA	Water	7470A	
240-82589-4	W-5 OHIO CANAL @ SOUTH AVE	Total/NA	Water	7470A	
MB 240-288208/1-A	Method Blank	Total/NA	Water	7470A	
LCS 240-288208/2-A	Lab Control Sample	Total/NA	Water	7470A	
240-82589-1 MS	W-1 SUMMIT LAKE L-1-SURFACE	Total/NA	Water	7470A	
240-82589-1 MSD	W-1 SUMMIT LAKE L-1-SURFACE	Total/NA	Water	7470A	

Analysis Batch: 288460

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-82589-1	W-1 SUMMIT LAKE L-1-SURFACE	Total/NA	Water	7470A	288208
240-82589-2	W-3 SUMMIT LAKE L-1-BOTTOM	Total/NA	Water	7470A	288208
240-82589-3	W-4 OHIO CANAL @ KENMORE BLVD	Total/NA	Water	7470A	288208
240-82589-4	W-5 OHIO CANAL @ SOUTH AVE	Total/NA	Water	7470A	288208
MB 240-288208/1-A	Method Blank	Total/NA	Water	7470A	288208
LCS 240-288208/2-A	Lab Control Sample	Total/NA	Water	7470A	288208
240-82589-1 MS	W-1 SUMMIT LAKE L-1-SURFACE	Total/NA	Water	7470A	288208
240-82589-1 MSD	W-1 SUMMIT LAKE L-1-SURFACE	Total/NA	Water	7470A	288208

Analysis Batch: 288623

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-82589-1	W-1 SUMMIT LAKE L-1-SURFACE	Total Recoverable	Water	6010B	288204

Metals (Continued)

Analysis Batch: 288623 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-82589-2	W-3 SUMMIT LAKE L-1-BOTTOM	Total Recoverable	Water	6010B	288204
240-82589-3	W-4 OHIO CANAL @ KENMORE BLVD	Total Recoverable	Water	6010B	288204
240-82589-4	W-5 OHIO CANAL @ SOUTH AVE	Total Recoverable	Water	6010B	288204
MB 240-288204/1-A	Method Blank	Total Recoverable	Water	6010B	288204
LCS 240-288204/2-A	Lab Control Sample	Total Recoverable	Water	6010B	288204
240-82589-1 MS	W-1 SUMMIT LAKE L-1-SURFACE	Total Recoverable	Water	6010B	288204
240-82589-1 MSD	W-1 SUMMIT LAKE L-1-SURFACE	Total Recoverable	Water	6010B	288204

General Chemistry

Analysis Batch: 288078

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-82589-1	W-1 SUMMIT LAKE L-1-SURFACE	Total/NA	Water	4500 P E-1999	
240-82589-2	W-3 SUMMIT LAKE L-1-BOTTOM	Total/NA	Water	4500 P E-1999	
240-82589-3	W-4 OHIO CANAL @ KENMORE BLVD	Total/NA	Water	4500 P E-1999	
240-82589-4	W-5 OHIO CANAL @ SOUTH AVE	Total/NA	Water	4500 P E-1999	
MB 240-288078/3	Method Blank	Total/NA	Water	4500 P E-1999	
LCS 240-288078/4	Lab Control Sample	Total/NA	Water	4500 P E-1999	

Analysis Batch: 288314

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-82589-1	W-1 SUMMIT LAKE L-1-SURFACE	Total/NA	Water	5310C-2000	
240-82589-2	W-3 SUMMIT LAKE L-1-BOTTOM	Total/NA	Water	5310C-2000	
240-82589-3	W-4 OHIO CANAL @ KENMORE BLVD	Total/NA	Water	5310C-2000	
240-82589-4	W-5 OHIO CANAL @ SOUTH AVE	Total/NA	Water	5310C-2000	
MB 240-288314/4	Method Blank	Total/NA	Water	5310C-2000	
LCS 240-288314/6	Lab Control Sample	Total/NA	Water	5310C-2000	
LLCS 240-288314/5	Lab Control Sample	Total/NA	Water	5310C-2000	
240-82589-1 MS	W-1 SUMMIT LAKE L-1-SURFACE	Total/NA	Water	5310C-2000	
240-82589-1 MSD	W-1 SUMMIT LAKE L-1-SURFACE	Total/NA	Water	5310C-2000	

Analysis Batch: 288425

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-82589-1	W-1 SUMMIT LAKE L-1-SURFACE	Total/NA	Water	300.0	
240-82589-2	W-3 SUMMIT LAKE L-1-BOTTOM	Total/NA	Water	300.0	
240-82589-3	W-4 OHIO CANAL @ KENMORE BLVD	Total/NA	Water	300.0	
240-82589-4	W-5 OHIO CANAL @ SOUTH AVE	Total/NA	Water	300.0	
MB 240-288425/3	Method Blank	Total/NA	Water	300.0	
LCS 240-288425/4	Lab Control Sample	Total/NA	Water	300.0	
240-82589-3 MS	W-4 OHIO CANAL @ KENMORE BLVD	Total/NA	Water	300.0	
240-82589-3 MSD	W-4 OHIO CANAL @ KENMORE BLVD	Total/NA	Water	300.0	

Analysis Batch: 288451

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-82589-1	W-1 SUMMIT LAKE L-1-SURFACE	Total/NA	Water	2340C-1997	
240-82589-3	W-4 OHIO CANAL @ KENMORE BLVD	Total/NA	Water	2340C-1997	
240-82589-4	W-5 OHIO CANAL @ SOUTH AVE	Total/NA	Water	2340C-1997	
MB 240-288451/1	Method Blank	Total/NA	Water	2340C-1997	
LCS 240-288451/2	Lab Control Sample	Total/NA	Water	2340C-1997	
240-82589-4 DU	W-5 OHIO CANAL @ SOUTH AVE	Total/NA	Water	2340C-1997	

General Chemistry (Continued)

Analysis Batch: 288558

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-82589-1	W-1 SUMMIT LAKE L-1-SURFACE	Total/NA	Water	2320B-1997	
240-82589-2	W-3 SUMMIT LAKE L-1-BOTTOM	Total/NA	Water	2320B-1997	
240-82589-3	W-4 OHIO CANAL @ KENMORE BLVD	Total/NA	Water	2320B-1997	
240-82589-4	W-5 OHIO CANAL @ SOUTH AVE	Total/NA	Water	2320B-1997	
MB 240-288558/5	Method Blank	Total/NA	Water	2320B-1997	
LCS 240-288558/4	Lab Control Sample	Total/NA	Water	2320B-1997	
240-82589-2 DU	W-3 SUMMIT LAKE L-1-BOTTOM	Total/NA	Water	2320B-1997	

Analysis Batch: 288598

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-82589-1	W-1 SUMMIT LAKE L-1-SURFACE	Total/NA	Water	SM 2540D	
240-82589-2	W-3 SUMMIT LAKE L-1-BOTTOM	Total/NA	Water	SM 2540D	
240-82589-3	W-4 OHIO CANAL @ KENMORE BLVD	Total/NA	Water	SM 2540D	
240-82589-4	W-5 OHIO CANAL @ SOUTH AVE	Total/NA	Water	SM 2540D	
MB 240-288598/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 240-288598/2	Lab Control Sample	Total/NA	Water	SM 2540D	

Analysis Batch: 288644

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-82589-1	W-1 SUMMIT LAKE L-1-SURFACE	Total/NA	Water	SM 2540C	
240-82589-2	W-3 SUMMIT LAKE L-1-BOTTOM	Total/NA	Water	SM 2540C	
240-82589-3	W-4 OHIO CANAL @ KENMORE BLVD	Total/NA	Water	SM 2540C	
240-82589-4	W-5 OHIO CANAL @ SOUTH AVE	Total/NA	Water	SM 2540C	
MB 240-288644/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 240-288644/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 288709

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-82589-1	W-1 SUMMIT LAKE L-1-SURFACE	Total/NA	Water	5220D-1997	
240-82589-2	W-3 SUMMIT LAKE L-1-BOTTOM	Total/NA	Water	5220D-1997	
240-82589-3	W-4 OHIO CANAL @ KENMORE BLVD	Total/NA	Water	5220D-1997	
240-82589-4	W-5 OHIO CANAL @ SOUTH AVE	Total/NA	Water	5220D-1997	
MB 240-288709/9	Method Blank	Total/NA	Water	5220D-1997	
LCS 240-288709/10	Lab Control Sample	Total/NA	Water	5220D-1997	
240-82589-2 MS	W-3 SUMMIT LAKE L-1-BOTTOM	Total/NA	Water	5220D-1997	

Analysis Batch: 288834

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-82589-1	W-1 SUMMIT LAKE L-1-SURFACE	Total/NA	Water	353.2	
240-82589-2	W-3 SUMMIT LAKE L-1-BOTTOM	Total/NA	Water	353.2	
240-82589-3	W-4 OHIO CANAL @ KENMORE BLVD	Total/NA	Water	353.2	
240-82589-4	W-5 OHIO CANAL @ SOUTH AVE	Total/NA	Water	353.2	
MB 240-288834/4	Method Blank	Total/NA	Water	353.2	
LCS 240-288834/5	Lab Control Sample	Total/NA	Water	353.2	

Analysis Batch: 368603

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-82589-1	W-1 SUMMIT LAKE L-1-SURFACE	Total/NA	Water	350.1	
240-82589-2	W-3 SUMMIT LAKE L-1-BOTTOM	Total/NA	Water	350.1	
240-82589-3	W-4 OHIO CANAL @ KENMORE BLVD	Total/NA	Water	350.1	
240-82589-4	W-5 OHIO CANAL @ SOUTH AVE	Total/NA	Water	350.1	

General Chemistry (Continued)

Analysis Batch: 368603 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-368603/27	Method Blank	Total/NA	Water	350.1	
MB 480-368603/3	Method Blank	Total/NA	Water	350.1	
LCS 480-368603/28	Lab Control Sample	Total/NA	Water	350.1	
LCS 480-368603/4	Lab Control Sample	Total/NA	Water	350.1	

Prep Batch: 368684

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-82589-1	W-1 SUMMIT LAKE L-1-SURFACE	Total/NA	Water	351.2	
240-82589-2	W-3 SUMMIT LAKE L-1-BOTTOM	Total/NA	Water	351.2	
240-82589-3	W-4 OHIO CANAL @ KENMORE BLVD	Total/NA	Water	351.2	
240-82589-4	W-5 OHIO CANAL @ SOUTH AVE	Total/NA	Water	351.2	
MB 480-368684/1-A	Method Blank	Total/NA	Water	351.2	
LCS 480-368684/2-A	Lab Control Sample	Total/NA	Water	351.2	

Analysis Batch: 368765

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-82589-1	W-1 SUMMIT LAKE L-1-SURFACE	Total/NA	Water	SM 4500 P E	
240-82589-2	W-3 SUMMIT LAKE L-1-BOTTOM	Total/NA	Water	SM 4500 P E	
240-82589-3	W-4 OHIO CANAL @ KENMORE BLVD	Total/NA	Water	SM 4500 P E	
240-82589-4	W-5 OHIO CANAL @ SOUTH AVE	Total/NA	Water	SM 4500 P E	
MB 480-368765/27	Method Blank	Total/NA	Water	SM 4500 P E	
LCS 480-368765/28	Lab Control Sample	Total/NA	Water	SM 4500 P E	

Analysis Batch: 368768

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-82589-1	W-1 SUMMIT LAKE L-1-SURFACE	Total/NA	Water	351.2	368684
240-82589-2	W-3 SUMMIT LAKE L-1-BOTTOM	Total/NA	Water	351.2	368684
240-82589-3	W-4 OHIO CANAL @ KENMORE BLVD	Total/NA	Water	351.2	368684
240-82589-4	W-5 OHIO CANAL @ SOUTH AVE	Total/NA	Water	351.2	368684
MB 480-368684/1-A	Method Blank	Total/NA	Water	351.2	368684
LCS 480-368684/2-A	Lab Control Sample	Total/NA	Water	351.2	368684

Client Sample ID: W-1 SUMMIT LAKE L-1-SURFACE

Lab Sample ID: 240-82589-1

Date Collected: 07/19/17 13:15

Matrix: Water

Date Received: 07/20/17 10:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			288135	07/21/17 08:33	BMB	TAL CAN
Total/NA	Analysis	8270C		1	288512	07/25/17 17:09	TMH	TAL CAN
Total/NA	Prep	3520C			288162	07/21/17 09:17	CS	TAL CAN
Total/NA	Analysis	8081A		10	288872	07/27/17 13:38	BPM	TAL CAN
Total/NA	Prep	3520C			288746	07/26/17 10:27	KEH	TAL CAN
Total/NA	Analysis	8082		1	289022	07/28/17 11:24	LSH	TAL CAN
Total/NA	Prep	8151A			288141	07/21/17 08:41	BMB	TAL CAN
Total/NA	Analysis	8151A		1	288511	07/26/17 01:10	RTR	TAL CAN
Total Recoverable	Prep	3005A			288204	07/21/17 14:00	AJC	TAL CAN
Total Recoverable	Analysis	6010B		1	288623	07/26/17 00:48	KLC	TAL CAN
Total/NA	Prep	7470A			288208	07/21/17 14:00	AJC	TAL CAN
Total/NA	Analysis	7470A		1	288460	07/24/17 15:49	DTN	TAL CAN
Total/NA	Analysis	2320B-1997		1	288558	07/24/17 18:11	CL	TAL CAN
Total/NA	Analysis	2340C-1997		1	288451	07/24/17 11:49	TPH	TAL CAN
Total/NA	Analysis	300.0		1	288425	07/24/17 20:05	LKG	TAL CAN
Total/NA	Analysis	350.1		1	368603	07/25/17 11:25	SSS	TAL BUF
Total/NA	Prep	351.2			368684	07/25/17 16:40	DCB	TAL BUF
Total/NA	Analysis	351.2		1	368768	07/26/17 09:41	CLT	TAL BUF
Total/NA	Analysis	353.2		1	288834	07/26/17 15:01	JWW	TAL CAN
Total/NA	Analysis	4500 P E-1999		1	288078	07/20/17 16:12	CL	TAL CAN
Total/NA	Analysis	5220D-1997		1	288709	07/26/17 10:37	TPH	TAL CAN
Total/NA	Analysis	5310C-2000		1	288314	07/21/17 09:59	TPH	TAL CAN
Total/NA	Analysis	SM 2540C		1	288644	07/25/17 14:52	MM	TAL CAN
Total/NA	Analysis	SM 2540D		1	288598	07/25/17 11:38	CL	TAL CAN
Total/NA	Analysis	SM 4500 P E		1	368765	07/26/17 09:55	RP	TAL BUF

Client Sample ID: W-3 SUMMIT LAKE L-1-BOTTOM

Lab Sample ID: 240-82589-2

Date Collected: 07/19/17 13:00

Matrix: Water

Date Received: 07/20/17 10:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			288135	07/21/17 08:33	BMB	TAL CAN
Total/NA	Analysis	8270C		1	288512	07/25/17 16:46	TMH	TAL CAN
Total/NA	Prep	3520C			288162	07/21/17 09:17	CS	TAL CAN
Total/NA	Analysis	8081A		20	288872	07/27/17 13:50	BPM	TAL CAN
Total/NA	Prep	3520C			288746	07/26/17 10:27	KEH	TAL CAN
Total/NA	Analysis	8082		1	289022	07/28/17 11:42	LSH	TAL CAN
Total/NA	Prep	8151A			288141	07/21/17 08:41	BMB	TAL CAN
Total/NA	Analysis	8151A		1	288511	07/26/17 05:19	RTR	TAL CAN
Total Recoverable	Prep	3005A			288204	07/21/17 14:00	AJC	TAL CAN
Total Recoverable	Analysis	6010B		1	288623	07/26/17 01:15	KLC	TAL CAN
Total/NA	Prep	7470A			288208	07/21/17 14:00	AJC	TAL CAN

Lab Chronicle

Client: EnviroScience Inc
Project/Site: Summit Lake Water Quality

TestAmerica Job ID: 240-82589-1

Client Sample ID: W-3 SUMMIT LAKE L-1-BOTTOM

Lab Sample ID: 240-82589-2
Date Collected: 07/19/17 13:00
Matrix: Water
Date Received: 07/20/17 10:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	7470A		1	288460	07/24/17 16:08	DTN	TAL CAN
Total/NA	Analysis	2320B-1997		1	288558	07/24/17 18:30	CL	TAL CAN
Total/NA	Analysis	300.0		1	288425	07/24/17 21:26	LKG	TAL CAN
Total/NA	Analysis	350.1		1	368603	07/25/17 11:26	SSS	TAL BUF
Total/NA	Prep	351.2			368684	07/25/17 16:40	DCB	TAL BUF
Total/NA	Analysis	351.2		1	368768	07/26/17 09:41	CLT	TAL BUF
Total/NA	Analysis	353.2		1	288834	07/26/17 15:02	JWW	TAL CAN
Total/NA	Analysis	4500 P E-1999		1	288078	07/20/17 16:12	CL	TAL CAN
Total/NA	Analysis	5220D-1997		1	288709	07/26/17 10:38	TPH	TAL CAN
Total/NA	Analysis	5310C-2000		1	288314	07/21/17 10:45	TPH	TAL CAN
Total/NA	Analysis	SM 2540C		1	288644	07/25/17 14:52	MM	TAL CAN
Total/NA	Analysis	SM 2540D		1	288598	07/25/17 11:38	CL	TAL CAN
Total/NA	Analysis	SM 4500 P E		1	368765	07/26/17 09:55	RP	TAL BUF

Client Sample ID: W-4 OHIO CANAL @ KENMORE BLVD

Lab Sample ID: 240-82589-3
Date Collected: 07/19/17 11:05
Matrix: Water
Date Received: 07/20/17 10:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			288135	07/21/17 08:33	BMB	TAL CAN
Total/NA	Analysis	8270C		1	288512	07/25/17 15:36	TMH	TAL CAN
Total/NA	Prep	3520C			288387	07/24/17 10:23	CS	TAL CAN
Total/NA	Analysis	8081A		1	289112	07/28/17 14:03	BPM	TAL CAN
Total/NA	Prep	3520C			289294	07/31/17 09:02	KEH	TAL CAN
Total/NA	Analysis	8081A		1	289509	08/01/17 14:48	BPM	TAL CAN
Total/NA	Prep	3520C			288746	07/26/17 10:27	KEH	TAL CAN
Total/NA	Analysis	8082		1	289022	07/28/17 11:59	LSH	TAL CAN
Total/NA	Prep	8151A			288141	07/21/17 08:41	BMB	TAL CAN
Total/NA	Analysis	8151A		1	288511	07/26/17 05:50	RTR	TAL CAN
Total Recoverable	Prep	3005A			288204	07/21/17 14:00	AJC	TAL CAN
Total Recoverable	Analysis	6010B		1	288623	07/26/17 01:20	KLC	TAL CAN
Total/NA	Prep	7470A			288208	07/21/17 14:00	AJC	TAL CAN
Total/NA	Analysis	7470A		1	288460	07/24/17 16:10	DTN	TAL CAN
Total/NA	Analysis	2320B-1997		1	288558	07/24/17 18:39	CL	TAL CAN
Total/NA	Analysis	2340C-1997		1	288451	07/24/17 11:53	TPH	TAL CAN
Total/NA	Analysis	300.0		1	288425	07/24/17 22:06	LKG	TAL CAN
Total/NA	Analysis	350.1		1	368603	07/25/17 11:27	SSS	TAL BUF
Total/NA	Prep	351.2			368684	07/25/17 16:40	DCB	TAL BUF
Total/NA	Analysis	351.2		1	368768	07/26/17 09:41	CLT	TAL BUF
Total/NA	Analysis	353.2		1	288834	07/26/17 15:03	JWW	TAL CAN
Total/NA	Analysis	4500 P E-1999		1	288078	07/20/17 16:12	CL	TAL CAN
Total/NA	Analysis	5220D-1997		1	288709	07/26/17 10:40	TPH	TAL CAN

Lab Chronicle

Client: EnviroScience Inc
Project/Site: Summit Lake Water Quality

TestAmerica Job ID: 240-82589-1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	5310C-2000		1	288314	07/21/17 11:01	TPH	TAL CAN
Total/NA	Analysis	SM 2540C		1	288644	07/25/17 14:52	MM	TAL CAN
Total/NA	Analysis	SM 2540D		1	288598	07/25/17 11:38	CL	TAL CAN
Total/NA	Analysis	SM 4500 P E		1	368765	07/26/17 09:55	RP	TAL BUF

Client Sample ID: W-5 OHIO CANAL @ SOUTH AVE

Lab Sample ID: 240-82589-4

Date Collected: 07/19/17 13:55

Matrix: Water

Date Received: 07/20/17 10:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			288135	07/21/17 08:33	BMB	TAL CAN
Total/NA	Analysis	8270C		1	288512	07/25/17 15:13	TMH	TAL CAN
Total/NA	Prep	3520C			288162	07/21/17 09:17	CS	TAL CAN
Total/NA	Analysis	8081A		1	288872	07/27/17 14:03	BPM	TAL CAN
Total/NA	Prep	3520C			288746	07/26/17 10:27	KEH	TAL CAN
Total/NA	Analysis	8082		1	289022	07/28/17 13:45	LSH	TAL CAN
Total/NA	Prep	8151A			288141	07/21/17 08:41	BMB	TAL CAN
Total/NA	Analysis	8151A		1	288511	07/26/17 07:24	RTR	TAL CAN
Total Recoverable	Prep	3005A			288204	07/21/17 14:00	AJC	TAL CAN
Total Recoverable	Analysis	6010B		1	288623	07/26/17 01:25	KLC	TAL CAN
Total/NA	Prep	7470A			288208	07/21/17 14:00	AJC	TAL CAN
Total/NA	Analysis	7470A		1	288460	07/24/17 16:12	DTN	TAL CAN
Total/NA	Analysis	2320B-1997		1	288558	07/24/17 18:50	CL	TAL CAN
Total/NA	Analysis	2340C-1997		1	288451	07/24/17 12:01	TPH	TAL CAN
Total/NA	Analysis	300.0		1	288425	07/24/17 23:27	LKG	TAL CAN
Total/NA	Analysis	350.1		1	368603	07/25/17 11:28	SSS	TAL BUF
Total/NA	Prep	351.2			368684	07/25/17 16:40	DCB	TAL BUF
Total/NA	Analysis	351.2		1	368768	07/26/17 09:41	CLT	TAL BUF
Total/NA	Analysis	353.2		1	288834	07/26/17 15:05	JWW	TAL CAN
Total/NA	Analysis	4500 P E-1999		1	288078	07/20/17 16:12	CL	TAL CAN
Total/NA	Analysis	5220D-1997		1	288709	07/26/17 10:42	TPH	TAL CAN
Total/NA	Analysis	5310C-2000		1	288314	07/21/17 11:16	TPH	TAL CAN
Total/NA	Analysis	SM 2540C		1	288644	07/25/17 14:52	MM	TAL CAN
Total/NA	Analysis	SM 2540D		1	288598	07/25/17 11:38	CL	TAL CAN
Total/NA	Analysis	SM 4500 P E		1	368765	07/26/17 09:55	RP	TAL BUF

Laboratory References:

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

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Accreditation/Certification Summary

Client: EnviroScience Inc
Project/Site: Summit Lake Water Quality

TestAmerica Job ID: 240-82589-1

Laboratory: TestAmerica Canton

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

Authority	Program	EPA Region	Identification Number	Expiration Date
Ohio VAP	State Program	5	CL0024	09-14-17 *

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

Analysis Method	Prep Method	Matrix	Analyte
2320B-1997		Water	Alkalinity
2340C-1997		Water	Hardness as calcium carbonate
300.0		Water	Chloride
300.0		Water	Sulfate
353.2		Water	Nitrate Nitrite as N
4500 P E-1999		Water	Orthophosphate as P
5220D-1997		Water	Chemical Oxygen Demand
5310C-2000		Water	Total Organic Carbon
6010B	3005A	Water	Magnesium
6010B	3005A	Water	Strontium
SM 2540C		Water	Total Dissolved Solids
SM 2540D		Water	Total Suspended Solids

Laboratory: TestAmerica Buffalo

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

Authority	Program	EPA Region	Identification Number	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-17 *
California	State Program	9	1169CA	09-30-17
Connecticut	State Program	1	PH-0568	09-30-18
Florida	NELAP	4	E87672	06-30-18
Georgia	State Program	4	10026 (NY)	03-31-18
Georgia	State Program	4	956	03-31-18
Illinois	NELAP	5	200003	09-30-17
Iowa	State Program	7	374	03-01-19
Kansas	NELAP	7	E-10187	01-31-18
Kentucky (DW)	State Program	4	90029	12-31-17
Kentucky (UST)	State Program	4	30	03-31-18
Kentucky (WW)	State Program	4	90029	12-31-17
Louisiana	NELAP	6	02031	06-30-18
Maine	State Program	1	NY00044	12-04-18
Maryland	State Program	3	294	03-31-18
Massachusetts	State Program	1	M-NY044	06-30-18
Michigan	State Program	5	9937	04-01-09 *
Minnesota	NELAP	5	036-999-337	12-31-17
New Hampshire	NELAP	1	2337	11-17-17
New Jersey	NELAP	2	NY455	06-30-18
New York	NELAP	2	10026	03-31-18
North Dakota	State Program	8	R-176	03-31-18
Oklahoma	State Program	6	9421	08-31-17
Oregon	NELAP	10	NY200003	06-09-18
Pennsylvania	NELAP	3	68-00281	07-31-18
Rhode Island	State Program	1	LAO00328	12-30-17
Tennessee	State Program	4	TN02970	03-31-18
Texas	NELAP	6	T104704412-15-6	07-31-18
USDA	Federal		P330-11-00386	11-26-17
Virginia	NELAP	3	460185	09-14-17

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Accreditation/Certification Summary

Client: EnviroScience Inc
Project/Site: Summit Lake Water Quality

TestAmerica Job ID: 240-82589-1

Laboratory: TestAmerica Buffalo (Continued)

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

Authority	Program	EPA Region	Identification Number	Expiration Date
Washington	State Program	10	C784	02-10-18
Wisconsin	State Program	5	998310390	08-31-17

1.5/1.5 0.4/0.4 5.9/5.9
4.0/4.0 1.2/1.2 5.1/5.1
2.1/2.1 3.7/3.7 0.9/0.9

Chain of Custody Record

TestAmerica Canton
4101 Shuffel Street, N. W.
North Canton, OH 44720
phone 330.497.9396 fax 330.497.0772

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☒ Other: Ohio VAP

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Paul Anderson	Site Contact: Paul Anderson	Date: 7/19/2017	COC No: ES SL 005
EnviroScience, Inc.	Tel/Fax: (330) 608-5424, (330) 688-0111	Lab Contact: Amy McCormick	Carrier: Hand Delivered	1 of 1 COCs
5070 Stow Rd.	Analysis Turnaround Time			Sampler: Paul Anderson
Stow, Ohio 44224	☐ CALENDAR DAYS ☑ WORKING DAYS			For Lab Use Only:
(330) 688-0111 Phone	TAT if different from Below _____			Walk-in Client:
(330) 688-3858 FAX	☐ 2 weeks			Lab Sampling:
Project Name: Summit Lake Water Quality	☐ 1 week			
Site: Summit Lake, Akron, OH	☐ 2 days			Job / SDG No.:
P O # Project 9338	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Chloride, Sulfate, TSS, TDS, Ortho P	Nitrate+Nitrite-N, COD	NH3-N, TKN, Total P	7470A, Hg, 6010B:As,Ba,Ca,Cd,Cu,Fe,Mg,K,Mn,Ni, Pb,Se,Sr,Zn,Na	SM 5310 D-2000: TOC	Alkalinity	Hardness	SVOC 8270C	PCB: 8082	Pesticides: 8081A	Pesticides 8151 A	Sample Specific Notes:
W-1 Summit Lake L-1 - SURFACE	7/19/2017	13:15	G	W	16	N	N	1	1	1	1	2	1	1	2	2	2	2	
W-3 Summit Lake L-1 - BOTTOM	7/19/2017	13:00	G	W	15	N	N	1	1	1	1	2	1		2	2	2	2	Hardness sample lost.
W-4 Ohio Canal @ Kenmore Blvd	7/19/2017	11:05	G	W	32	N	Y	1	1	1	1	2	1	1	6	6	6	6	MS/MSD for 8720C, 8082, 8081A, & 8151A
W-5 Ohio Canal @ South Ave.	7/19/2017	13:55	G	W	16	N	N	1	1	1	1	2	1	1	2	2	2	2	

240-82589 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

	1	3	3	4	3	1	4	1	1	1	1			

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments: **Quote ID: 24017439** **WATER SAMPLES - ROUND 2**

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____

	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	ES	7/20 1045			
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company: TA	Date/Time: 7/20/17 1045

Form No. CA-C-WI-002, Rev. 4.2, dated 04/02/2013

TestAmerica Canton Sample Receipt Form/Narrative **Login # : 82589**
Canton Facility

Client Enviroscience Site Name

Cooler Received on 07/20/17 Opened on 07/20/17

Cooler unpacked by: DD

FedEx: 1st Grd Exp UPS FAS Clipper Client Drop Off TestAmerica Courier Other

Receipt After-hours: Drop-off Date/Time Storage Location

TestAmerica Cooler # Foam Box Client Cooler Box Other

Packing material used: Bubble Wrap Foam Plastic Bag None Other

COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt X See Multiple Cooler Form
   IR GUN# IR-8 (CF -0.4 °C) Observed Cooler Temp._____°C Corrected Cooler Temp._____°C
   IR GUN #36 (CF +0°C) Observed Cooler Temp._____°C Corrected Cooler Temp._____°C
2. Were custody seals on the outside of the cooler(s)? If Yes Quantity_____ Yes No
   -Were custody seals on the outside of the cooler(s) signed & dated? Yes No NA
   -Were custody seals on the bottle(s) or bottle kits (LLHg/MeHg)? Yes No
3. Shippers' packing slip attached to the cooler(s)? Yes No
4. Did custody papers accompany the sample(s)? Yes No
5. Were the custody papers relinquished & signed in the appropriate place? Yes No
6. Was/were the person(s) who collected the samples clearly identified on the COC? Yes No
7. Did all bottles arrive in good condition (Unbroken)? Yes No
8. Could all bottle labels be reconciled with the COC? Yes No
9. Were correct bottle(s) used for the test(s) indicated? Yes No
10. Sufficient quantity received to perform indicated analyses? Yes No
11. Are these work share samples? Yes No
    If yes, Questions 11-15 have been checked at the originating laboratory.
11. Were sample(s) at the correct pH upon receipt? Yes No NA pH Strip Lot# HC697954
12. Were VOAs on the COC? Yes No
13. Were air bubbles >6 mm in any VOA vials? ● ⬅ Larger than this. Yes No NA
14. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot #_____ Yes No
15. Was a LL Hg or Me Hg trip blank present? _____ Yes No

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

16. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

Samples processed by:

17. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.
Sample(s) _____ were received in a broken container.
Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

18. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory.
Time preserved: _____ Preservative(s) added/Lot number(s): _____

TestAmerica Multiple Cooler Receipt Form/Narrative **Login # :** 82589
Canton Facility

Cooler #	IR Gun #	Observed Temp °C	Corrected Temp °C	Coolant
Client	36	1.5	1.5	Ice
		4.0	4.0	
		2.1	2.1	
		0.4	0.4	
		1.2	1.2	
		3.7	3.7	
		5.9	5.9	
		5.1	5.1	
		0.9	0.9	

Login Container Summary Report

Temperature readings: _____

Client Sample ID	Lab ID	Container Type	Container pH	Preservative Added (mls)	Lot #
W-1 SUMMIT LAKE L-1-SURFACE	240-82589-D-1	Plastic 250ml - with Sulfuric Acid	<2	_____	_____
W-1 SUMMIT LAKE L-1-SURFACE	240-82589-E-1	Plastic 250ml - with Nitric Acid	<2	_____	_____
W-1 SUMMIT LAKE L-1-SURFACE	240-82589-G-1	Plastic 500ml - with Sulfuric Acid	<2	_____	_____
W-1 SUMMIT LAKE L-1-SURFACE	240-82589-H-1	Plastic 500ml - with Nitric Acid	<2	_____	_____
W-1 SUMMIT LAKE L-1-BOTTOM	240-82589-D-2	Plastic 250ml - with Sulfuric Acid	<2	_____	_____
W-1 SUMMIT LAKE L-1-BOTTOM	240-82589-G-2	Plastic 500ml - with Sulfuric Acid	<2	_____	_____
W-1 SUMMIT LAKE L-1-BOTTOM	240-82589-H-2	Plastic 500ml - with Nitric Acid	<2	_____	_____
W-4 OHIO CANAL @ KENMORE I	240-82589-D-3	Plastic 250ml - with Sulfuric Acid	<2	_____	_____
W-4 OHIO CANAL @ KENMORE I	240-82589-E-3	Plastic 250ml - with Nitric Acid	<2	_____	_____
W-4 OHIO CANAL @ KENMORE I	240-82589-G-3	Plastic 500ml - with Sulfuric Acid	<2	_____	_____
W-4 OHIO CANAL @ KENMORE I	240-82589-H-3	Plastic 500ml - with Nitric Acid	<2	_____	_____
W-5 OHIO CANAL @ SOUTH AVE	240-82589-D-4	Plastic 250ml - with Sulfuric Acid	<2	_____	_____
W-5 OHIO CANAL @ SOUTH AVE	240-82589-E-4	Plastic 250ml - with Nitric Acid	<2	_____	_____
W-5 OHIO CANAL @ SOUTH AVE	240-82589-G-4	Plastic 500ml - with Sulfuric Acid	<2	_____	_____
W-5 OHIO CANAL @ SOUTH AVE	240-82589-H-4	Plastic 500ml - with Nitric Acid	<2	_____	_____

TestAmerica Canton
4101 Shuffel Street NW
North Canton, OH 44720
Phone (330) 497-9396 Fax (330) 497-0772

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: McCormick, Amy L	Carrier Tracking No(s):	COC No: 240-73803.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: amy.mccormick@testamericainc.com	State of Origin: Ohio	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State Program - Ohio VAP		Job #: 240-82589-1
Address: 10 Hazelwood Drive,	Due Date Requested: 8/1/2017			
City: Amherst	TAT Requested (days):			
State, Zip: NY, 14228-2298				
Phone: 716-691-2600(Tel) 716-691-7991(Fax)	PO #:			
Email:	WO #:			
Project Name: OVAP Summit Lake Water Quality	Project #: 24018233			
Site:	SSOW#:			

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA
M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1/ (MOD) Local Method	4500_P_E	351.2/351.2_Prep	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
W-1 SUMMIT LAKE L-1-SURFACE (240-82589-1)	7/19/17	13:15 Eastern		Water			X	X	X	1	OHIO VAP
W-1 SUMMIT LAKE L-1-BOTTOM (240-82589-2)	7/19/17	13:00 Eastern		Water			X	X	X	1	OHIO VAP
W-4 OHIO CANAL @ KENMORE BLVD (240-82589-3)	7/19/17	11:05 Eastern		Water			X	X	X	1	OHIO VAP
W-5 OHIO CANAL @ SOUTH AVE (240-82589-4)	7/19/17	13:55 Eastern		Water			X	X	X	1	OHIO VAP

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to TestAmerica Laboratories, Inc.

Possible Hazard Identification
Unconfirmed

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For ____ Months*

Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2
Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by: R. [signature]	Date/Time: 7/20/17. 1630	Company: TestAm	Received by: [signature]	Date/Time: 7/21/17 0900	Company: TA Buf.
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: #1 4.1°		

Login Sample Receipt Checklist

Client: EnviroScience Inc

Job Number: 240-82589-1

Login Number: 82589
List Number: 2
Creator: Hulbert, Michael J

List Source: TestAmerica Buffalo
List Creation: 07/21/17 03:29 PM

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	4.1 #1
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.	False	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

Page Intentionally Blank

Appendix H. TestAmerica Laboratory VAP Certified Laboratory Affidavits

Page Intentionally Blank

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Affidavit of VAP Certified Laboratory

State of Ohio)
) ss:
County of Stark)

I, Dorothy J. Leeson being first duly sworn according to law, state that, to the best of my knowledge, information and belief:

1. I am an adult over the age of eighteen years old and competent to testify herein.

2. I am employed by TestAmerica Laboratories, Inc. ("the laboratory") as Quality Assurance Coordinator. I am authorized to submit this affidavit on behalf of the laboratory.

3. The purpose of this submission is to support a request for a no further action letter or other aspects of a voluntary action, under Ohio's Voluntary Action Program (VAP) as set forth in Ohio Revised Code Chapter 3746 and Ohio Administrative Code (OAC) Chapter 3745-300.

4. TestAmerica Canton performed analyses for **EnviroScience Inc.** for a voluntary action at property known as **OVAP-Summit Lake WQ, 380 West Crosier St., Akron, Ohio 44311.**

5. This affidavit applies to and is submitted with the following information, data, documents or reports for the property:

Document ID	Date of Document
240-80215-1 REV	**August 11, 2017**

6. TestAmerica Canton was a VAP certified laboratory pursuant to OAC 3745-300-04 when it performed the analyses referenced herein.

7. All analyses under this affidavit consist of VAP "certified data" as described in OAC 3745-300-04(A) - - unless paragraph b., below, specifies the exceptions:

   a. The laboratory performed the analyses within its current VAP certification. The laboratory was certified for each analyte, parameter group and method used at the time that it performed the analyses. The analyses were performed consistent with the laboratory's standard operating procedures and quality assurance program plan as approved under OAC 3745-300-04.

   b. Exceptions, if any:

Sample Number / Document ID	Analyte / Parameter Group	Method
Samples 1-10 / 240-80215-1	Strontium	6020
Samples 1-10 / 240-80215-1	Grain Size	D422
Samples 1-10 / 240-80215-1	TOC	Lloyd Kahn
Samples 1-6 / 240-80215-1	Chromium	6020
Sample 1 / 240-80215-1	Lead	6020

8. The information, data, documents and reports identified under this affidavit are true, accurate and complete.

Further affiant sayeth naught.

Dorothy J. Leeson
Signature of Affiant

Sworn to before me and subscribed in my presence this 11 day of August, 2017.

Dawn Knight
Notary Public

Dawn Knight
Notary Public, State of Ohio
My Commission Expires 09-29-2019

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Affidavit of VAP Certified Laboratory

State of Ohio)
) ss:
County of Stark)

I, Dorothy J. Leeson being first duly sworn according to law, state that, to the best of my knowledge, information and belief:

1. I am an adult over the age of eighteen years old and competent to testify herein.

2. I am employed by TestAmerica Laboratories, Inc. ("the laboratory") as Quality Assurance Coordinator. I am authorized to submit this affidavit on behalf of the laboratory.

3. The purpose of this submission is to support a request for a no further action letter or other aspects of a voluntary action, under Ohio's Voluntary Action Program (VAP) as set forth in Ohio Revised Code Chapter 3746 and Ohio Administrative Code (OAC) Chapter 3745-300.

4. TestAmerica Canton performed analyses for **EnviroScience Inc.** for a voluntary action at property known as **Summit Lake – 380 West Crosier St., Akron, OH 44311.**

5. This affidavit applies to and is submitted with the following information, data, documents or reports for the property:

Document ID	Date of Document
240-80352-1 REV	**August 11, 2017**

6. TestAmerica Canton was a VAP certified laboratory pursuant to OAC 3745-300-04 when it performed the analyses referenced herein.

7. All analyses under this affidavit consist of VAP "certified data" as described in OAC 3745-300-04(A) - - unless paragraph b., below, specifies the exceptions:

   a. The laboratory performed the analyses within its current VAP certification. The laboratory was certified for each analyte, parameter group and method used at the time that it performed the analyses. The analyses were performed consistent with the laboratory's standard operating procedures and quality assurance program plan as approved under OAC 3745-300-04.

   b. Exceptions, if any:

Sample Number / Document ID	Analyte / Parameter Group	Method
Samples 14-25 / 240-80352-1	Simultaneously Extracted Metals	SW846 6010C
Samples 2-11,13/ 240-80352-1	Strontium	SW846 6020
Samples 14-25 / 240-80352-1	Mercury	SW846 7470A
Samples 14-25 / 240-80352-1	Acid Volatile Sulfides	SW846 9034
Samples 2-13 / 240-80352-1	Grain Size	D422
Samples 2-11,13/ 240-80352-1	Total Organic Carbon	Lloyd Kahn Method

8. The information, data, documents and reports identified under this affidavit are true, accurate and complete.

Further affiant sayeth naught.

Dorothy A. Kuson
Signature of Affiant

Sworn to before me and subscribed in my presence this 11 day of August, 2017

Dawn Knight
Dawn Knight
Notary Public

Dawn Knight
Notary Public, State of Ohio
My Commission Expires 09-29-2019

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Affidavit of VAP Certified Laboratory

State of Ohio)
) ss:
County of Stark)

I, Dorothy J. Leeson being first duly sworn according to law, state that, to the best of my knowledge, information and belief:

1. I am an adult over the age of eighteen years old and competent to testify herein.

2. I am employed by TestAmerica Laboratories, Inc. ("the laboratory") as Quality Assurance Coordinator. I am authorized to submit this affidavit on behalf of the laboratory.

3. The purpose of this submission is to support a request for a no further action letter or other aspects of a voluntary action, under Ohio's Voluntary Action Program (VAP) as set forth in Ohio Revised Code Chapter 3746 and Ohio Administrative Code (OAC) Chapter 3745-300.

4. TestAmerica Canton performed analyses for **EnviroScience Inc.** for a voluntary action at property known as **OVAP-Summit Lake WQ, 380 West Crosier St., Akron, Ohio 44311.**

5. This affidavit applies to and is submitted with the following information, data, documents or reports for the property:

Document ID	Date of Document
240-80547-1	**June 26, 2017**

6. TestAmerica Canton was a VAP certified laboratory pursuant to OAC 3745-300-04 when it performed the analyses referenced herein.

7. All analyses under this affidavit consist of VAP "certified data" as described in OAC 3745-300-04(A) - - unless paragraph b., below, specifies the exceptions:

   a. The laboratory performed the analyses within its current VAP certification. The laboratory was certified for each analyte, parameter group and method used at the time that it performed the analyses. The analyses were performed consistent with the laboratory's standard operating procedures and quality assurance program plan as approved under OAC 3745-300-04.

   b. Exceptions, if any:

Sample Number / Document ID	Analyte / Parameter Group	Method
Samples 6-7 / 240-80547-1	Strontium	6020
Sample 5 / 240-80547-1	Strontium	6010C
Samples 6-7 / 240-80547-1	Grain Size	D422
Samples 6-7 / 240-80547-1	TOC	Lloyd Kahn
Samples 8-9 / 240-80547-1	Sulfides	9034

Sample Number / Document ID		Analyte / Parameter Group	Method
Samples 8-9	/ 240-80547-1	SEM Metals	6010C
Samples 1-7	/ 240-80547-1	Magnesium	6010C
Samples 1-5	/ 240-80547-1	TOC	5310C
Samples 1-5	/ 240-80547-1	COD	5220D
Samples 1-5	/ 240-80547-1	Ortho Phos	4500PE
Samples 1-5	/ 240-80547-1	Phosphorus	4500PE
Samples 1-5	/ 240-80547-1	Nitrate/Nitrite	353.2
Samples 1-5	/ 240-80547-1	TKN	351.2
Samples 1-5	/ 240-80547-1	Ammonia	350.1
Samples 1-5	/ 240-80547-1	Chloride/Sulfate	300.0
Samples 1-5	/ 240-80547-1	TSS	2540D
Samples 1-5	/ 240-80547-1	TDS	2540C
Samples 1-5	/ 240-80547-1	Hardness	2340C
Samples 1-5	/ 240-80547-1	Alkalinity	2320B

8. The information, data, documents and reports identified under this affidavit are true, accurate and complete.

Further affiant sayeth naught.

Dorothy J. Lewis
Signature of Affiant

Sworn to before me and subscribed in my presence this 5 day of July, 2017.

Dawn Knight
Notary Public, State of Ohio
My Commission Expires 09-29-2019

Dawn Knight
Dawn Knight
Notary Public

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Affidavit of VAP Certified Laboratory

State of Ohio)
) ss:
County of Stark)

I, Dorothy J. Leeson being first duly sworn according to law, state that, to the best of my knowledge, information and belief:

1. I am an adult over the age of eighteen years old and competent to testify herein.

2. I am employed by TestAmerica Laboratories, Inc. ("the laboratory") as Quality Assurance Coordinator. I am authorized to submit this affidavit on behalf of the laboratory.

3. The purpose of this submission is to support a request for a no further action letter or other aspects of a voluntary action, under Ohio's Voluntary Action Program (VAP) as set forth in Ohio Revised Code Chapter 3746 and Ohio Administrative Code (OAC) Chapter 3745-300.

4. TestAmerica Canton performed analyses for **EnviroScience Inc.** for a voluntary action at property known as **Summit Lake – 380 West Crosier St., Akron, OH 44311.**

5. This affidavit applies to and is submitted with the following information, data, documents or reports for the property:

Document ID	Date of Document
240-82589-1	**August 3, 2017**

6. TestAmerica Canton was a VAP certified laboratory pursuant to OAC 3745-300-04 when it performed the analyses referenced herein.

7. All analyses under this affidavit consist of VAP "certified data" as described in OAC 3745-300-04(A) - - unless paragraph b., below, specifies the exceptions:

   a. The laboratory performed the analyses within its current VAP certification. The laboratory was certified for each analyte, parameter group and method used at the time that it performed the analyses. The analyses were performed consistent with the laboratory's standard operating procedures and quality assurance program plan as approved under OAC 3745-300-04.

   b. Exceptions, if any:

Sample Number / Document ID	Analyte / Parameter Group	Method
Samples 1-4 / 240-82589-1	Alkalinity	SM 2320B
Samples 1-4 / 240-82589-1	Hardness	SM 2340C
Samples 1-4 / 240-82589-1	Total Dissolved Solids	SM 2540C
Samples 1-4 / 240-82589-1	Total Suspended Solids	SM 2540D
Samples 1-4 / 240-82589-1	Anions	EPA 300.0

Sample Number / Document ID		Analyte / Parameter Group	Method
Samples 1-4	/ 240-82589-1	Ammonia	EPA 350.1
Samples 1-4	/ 240-82589-1	Total Kjeldahl Nitrogen	EPA 351.2
Samples 1-4	/ 240-82589-1	Nitrate Nitrite as N	EPA 353.2
Samples 1-4	/ 240-82589-1	Total Phosphorus/Orthophosphate as P	SM 4500_P_E
Samples 1-4	/ 240-82589-1	Chemical Oxygen Demand	SM 5220D
Samples 1-4	/ 240-82589-1	Total Organic Carbon	SM 5310C
Samples 1-4	/ 240-82589-1	Strontium	SW846 6010B

8. The information, data, documents and reports identified under this affidavit are true, accurate and complete.

Further affiant sayeth naught.

Dorothy J. Lunon
Signature of Affiant

Sworn to before me and subscribed in my presence this 11 day of August, 2017.

Dawn Knight
Dawn Knight
Notary Public

Dawn Knight
Notary Public, State of Ohio
My Commission Expires 09-29-2019

Appendix I. Field Data Collected in Conjunction with Water Sampling of Summit Lake, 2017

Page Intentionally Blank

Appendix K. Field Data Collected in Conjunction with Water Sampling of Summit Lake, 2017.

Sample Site	Associated Sample Type	Associated Sample ID	Date	Time	Depth (m)	Temperature (°C)	pH (SU)	Dissolved Oxygen (mg/L)	Dissolved Oxygen Saturation (%)	Specific Conductance (µS/cm)	Secchi Disk Transparency (m)
Grid_A13	Sediment	SS3	6/1/2017	11:30	0.7	21.7	8.58	13.68	156.0	779	
Grid_A27	Sediment	SS2	6/1/2017	10:40	0.7	21.4	7.90	7.38	83.0	808	
Grid_A50	Sediment	SS1	6/1/2017	9:50	0.9	21.0	8.08	11.05	127.2	794	
Grid_B12	Sediment	SS7	6/1/2017	14:55	1.2	21.2	8.77	13.26	149.7	775	
Grid_B37	Sediment	TS1	5/30/2017	10:28	1.6	20.8	8.37	10.24	114.8	830	
Grid_B5	Sediment	SS8	6/1/2017	15:30	1.1	21.7	8.84	14.21	161.3	777	
Grid_B51	Sediment	TS3	5/30/2017	13:58	0.2	22.1	8.54	11.80	134.8	830	
Grid_B61	Sediment	TS4	5/30/2017	15:00	0.3	22.0	8.63	13.02	149.5	826	
Grid_B65	Sediment	SS6	6/1/2017	16:35	0.9	22.6	8.72	13.21	153.6	787	
Grid_B65	Sediment	SS5	6/1/2017	13:55	1.0	22.0	8.68	13.04	149.3	783	
Grid_C17	Sediment	SS9	6/1/2017	17:20	1.1	21.4	8.78	13.46	153.1	777	
Grid_C52	Sediment	SS10	6/1/2017	18:00	0.8	23.0	8.80	14.60	170.5	769	
Grid_C75	Sediment	SS11	6/1/2017	18:50	0.5	22.2	8.90	14.84	170.8	776	
Grid_C8	Sediment	TS2	5/30/2017	11:55	0.3	22.5	8.56	12.91	149.7	857	
Grid_D27	Sediment	TS8	5/30/2017	17:50	0.6	22.9	8.74	14.17	167.1	817	
Grid_D48	Sediment	TS7	5/30/2017	17:10	0.5	22.7	8.61	13.03	151.5	828	
Grid_D55	Sediment	TS6	5/30/2017	16:30	0.5	22.7	8.30	10.49	121.7	843	
Grid_D6	Sediment	SS12	6/7/2017	10:00	0.9	20.3	8.09	6.96	77.3	829	
Grid_D77	Sediment	SS4	6/1/2017	12:10	1.1	22.0	8.56	11.68	136.2	792	
Grid_D80	Sediment	SS13	6/7/2017	11:10	1.1	20.6	8.44	9.40	104.7	822	
Ohio Canal @ Kenmore	Sediment	TS5	5/30/2017	15:40	0.4	24.0	7.97	9.33	110.9	881	
Ohio Canal @ South Ave	Sediment	TS9	5/30/2017	18:30	0.5	23.2	8.79	14.78	173.2	820	

Appendix K. Field Data Collected in Conjunction with Water Sampling of Summit Lake, 2017.

Sample Site	Associated Sample Type	Associated Sample ID	Date	Time	Depth (m)	Temperature (°C)	pH (SU)	Dissolved Oxygen (mg/L)	Dissolved Oxygen Saturation (%)	Specific Conductance (µS/cm)	Secchi Disk Transparency (m)
Ohio Canal @ Kenmore	Water	W-4	6/7/2017	13:14	0.5	20.0	7.82	5.49	60.5	884	
Ohio Canal @ South Ave	Water	W-5	6/7/2017	12:42	0.5	20.2	8.19	7.84	86.7	824	
Summit Lake L-1	Water	W-1	6/7/2017	13:43	0.5	20.7	8.43	9.33	104.3	824	1.25
Summit Lake L-1	Water	W-2	6/7/2017	14:01	0.5	20.7	8.43	9.23	103.2	829	
Summit Lake L-1	Profile Only	--	6/7/2017	14:00	1.0	20.7	8.42	9.17	102.5	829	
Summit Lake L-1	Profile Only	--	6/7/2017	13:59	2.0	20.7	8.42	9.11	101.7	828	
Summit Lake L-1	Profile Only		6/7/2017	13:59	3.0	20.5	8.40	8.98	100.0	827	
Summit Lake L-1	Profile Only		6/7/2017	13:57	4.0	20.0	7.88	5.36	59.1	851	
Summit Lake L-1	Profile Only		6/7/2017	13:55	4.5	19.0	7.66	2.94	31.8	874	
Summit Lake L-1	Profile Only		6/7/2017	13:53	5.0	15.9	7.44	0.07	0.7	904	
Summit Lake L-1	Profile Only		6/7/2017	13:52	6.0	12.5	7.45	0.06	0.6	958	
Summit Lake L-1	Profile Only	--	6/7/2017	13:51	7.0	9.8	7.48	0.06	0.6	1,072	
Summit Lake L-1	Profile Only	--	6/7/2017	13:49	8.0	8.5	7.48	0.10	0.8	1,113	
Summit Lake L-1	Profile Only	--	6/7/2017	13:48	9.0	7.9	7.47	0.14	1.2	1,127	
Summit Lake L-1	Water	W-3	6/7/2017	13:47	10.0	7.8	7.46	0.20	1.7	1,130	
Summit Lake L-1	Water	W-3	6/7/2017	13:46	11.0	7.7	7.45	0.33	2.8	1,133	
Ohio Canal @ Kenmore	Water	W-4	7/19/2017	11:05	0.5	27.4	7.74	5.90	74.7	746	
Ohio Canal @ South Ave	Water	W-5	7/19/2017	13:55	0.5	28.9	8.76	13.67	178.1	680	
Summit Lake L-1	Water	W-1	7/19/2017	12:56	0.5	28.4	8.81	13.67	176.3	682	1.09
Summit Lake L-1	Profile Only	--	7/19/2017	12:55	1.0	27.7	8.77	13.57	172.8	690	
Summit Lake L-1	Profile Only	--	7/19/2017	12:54	2.0	26.0	8.25	9.03	111.5	695	
Summit Lake L-1	Profile Only	--	7/19/2017	12:52	3.0	25.3	7.71	4.18	51.0	699	
Summit Lake L-1	Profile Only		7/19/2017	12:51	4.0	24.8	7.54	0.86	10.4	700	
Summit Lake L-1	Profile Only		7/19/2017	12:50	5.0	21.3	7.44	0.17	2.0	678	
Summit Lake L-1	Profile Only		7/19/2017	12:49	6.0	16.1	7.43	0.18	1.9	828	
Summit Lake L-1	Profile Only		7/19/2017	12:48	7.0	11.6	7.40	0.19	1.8	917	
Summit Lake L-1	Profile Only		7/19/2017	12:48	8.0	9.4	7.38	0.23	2.0	962	
Summit Lake L-1	Water	W-3	7/19/2017	12:47	9.0	8.9	7.34	0.29	2.5	970	

Appendix J. Organic Water Chemistry Results for Summit Lake, 2017

Page Intentionally Blank

Appendix J. Organic Water Chemistry Results for Summit Lake, 2017.

Sampling Date: July 19, 2017

Analyte Group	PARAMETER	CAS NUMBER	UNITS	SUMMIT LAKE L-1 SURFACE	SUMMIT LAKE L-1 BOTTOM	OHIO CANAL @ KENMORE BLVD	OHIO CANAL @ SOUTH AVE
SVOC and PAH	2,4,5-Trichlorophenol	95-95-4	µg/L	< 4.8	< 4.9	< 4.8	< 4.8
	2,4,6-Trichlorophenol	88-06-2	µg/L	< 4.8	< 4.9	< 4.8	< 4.8
	2,4-Dichlorophenol	120-83-2	µg/L	< 1.9	< 2	< 1.9	< 1.9
	2,4-Dimethylphenol	105-67-9	µg/L	< 1.9	< 2	< 1.9	< 1.9
	2,4-Dinitrophenol	51-28-5	µg/L	< 4.8	< 4.9	< 4.8	< 4.8
	2,4-Dinitrotoluene	121-14-2	µg/L	< 4.8	< 4.9	< 4.8	< 4.8
	2,6-Dinitrotoluene	606-20-2	µg/L	< 4.8	< 4.9	< 4.8	< 4.8
	2-Chloronaphthalene	91-58-7	µg/L	< 0.95	< 0.98	< 0.95	< 0.95
	2-Chlorophenol	95-57-8	µg/L	< 0.95	< 0.98	< 0.95	< 0.95
	2-Methylnaphthalene	91-57-6	µg/L	< 0.19	< 0.2	< 0.19	< 0.19
	2-Methylphenol	95-48-7	µg/L	< 0.95	< 0.98	< 0.95	< 0.95
	2-Nitroaniline	88-74-4	µg/L	< 1.9	< 2	< 1.9	< 1.9
	2-Nitrophenol	88-75-5	µg/L	< 1.9	< 2	< 1.9	< 1.9
	3 & 4 Methylphenol	15831-10-4	µg/L	< 1.9	< 2	< 1.9	< 1.9
	3,3'-Dichlorobenzidine	91-94-1	µg/L	< 4.8	< 4.9	< 4.8	< 4.8
	3-Nitroaniline	99-09-2	µg/L	< 1.9	< 2	< 1.9	< 1.9
	4,6-Dinitro-2-methylphenol	534-52-1	µg/L	< 4.8	< 4.9	< 4.8	< 4.8
	4-Bromophenyl phenyl ether	101-55-3	µg/L	< 1.9	< 2	< 1.9	< 1.9
	4-Chloro-3-methylphenol	59-50-7	µg/L	< 1.9	< 2	< 1.9	< 1.9
	4-Chloroaniline	106-47-8	µg/L	< 1.9	< 2	< 1.9	< 1.9
	4-Chlorophenyl phenyl ether	7005-72-3	µg/L	< 1.9	< 2	< 1.9	< 1.9
	4-Nitroaniline	100-01-6	µg/L	< 1.9	< 2	< 1.9	< 1.9
	4-Nitrophenol	100-02-7	µg/L	< 4.8	< 4.9	< 4.8	< 4.8
	Acenaphthene	83-32-9	µg/L	< 0.19	< 0.2	< 0.19	< 0.19
	Acenaphthylene	208-96-8	µg/L	< 0.19	< 0.2	< 0.19	< 0.19
	Acetophenone	98-86-2	µg/L	< 0.95	< 0.98	< 0.95	< 0.95
	Anthracene	120-12-7	µg/L	< 0.19	< 0.2	< 0.19	< 0.19
	Benzo[a]anthracene	56-55-3	µg/L	< 0.19	< 0.2	< 0.19	< 0.19
	Benzo[a]pyrene	50-32-8	µg/L	< 0.19	< 0.2	< 0.19	0.17 J B
	Benzo[b]fluoranthene	205-99-2	µg/L	< 0.19	< 0.2	< 0.19	< 0.19
	Benzo[g,h,i]perylene	191-24-2	µg/L	< 0.19	< 0.2	< 0.19	< 0.19
	Benzo[k]fluoranthene	207-08-9	µg/L	< 0.19	< 0.2	< 0.19	< 0.19
	bis (2-chloroisopropyl) ether	108-60-1	µg/L	< 0.95	< 0.98	< 0.95	< 0.95
	Bis(2-chloroethoxy)methane	111-91-1	µg/L	< 0.95	< 0.98	< 0.95	< 0.95
	Bis(2-chloroethyl)ether	111-44-4	µg/L	< 0.95	< 0.98	< 0.95	< 0.95
	Bis(2-ethylhexyl) phthalate	117-81-7	µg/L	< 4.8	< 4.9	< 4.8	< 4.8
	Butyl benzyl phthalate	85-68-7	µg/L	< 1.9	< 2	< 1.9	< 1.9
	Chrysene	218-01-9	µg/L	< 0.19	< 0.2	< 0.19	< 0.19
	Dibenz(a,h)anthracene	53-70-3	µg/L	< 0.19	< 0.2	< 0.19	< 0.19
	Dibenzofuran	132-64-9	µg/L	< 0.95	< 0.98	< 0.95	< 0.95
	Diethyl phthalate	84-66-2	µg/L	< 1.9	< 2	< 1.9	< 1.9
	Dimethyl phthalate	131-11-3	µg/L	< 1.9	< 2	< 1.9	< 1.9
	Di-n-butyl phthalate	84-74-2	µg/L	< 4.8	< 4.9	< 4.8	< 4.8
	Di-n-octyl phthalate	117-84-0	µg/L	< 1.9	< 2	< 1.9	< 1.9
	Fluoranthene	206-44-0	µg/L	< 0.19	< 0.2	< 0.19	< 0.19
	Fluorene	86-73-7	µg/L	< 0.19	< 0.2	< 0.19	< 0.19
	Hexachlorobenzene	118-74-1	µg/L	< 0.19	< 0.2	< 0.19	< 0.19
	Hexachlorobutadiene	87-68-3	µg/L	< 0.95	< 0.98	< 0.95	< 0.95
	Hexachlorocyclopentadiene	77-47-4	µg/L	< 9.5	< 9.8	< 9.5	< 9.5
	Hexachloroethane	67-72-1	µg/L	< 0.95	< 0.98	< 0.95	< 0.95
	Indeno[1,2,3-cd]pyrene	193-39-5	µg/L	< 0.19	< 0.2	< 0.19	< 0.19
	Isophorone	78-59-1	µg/L	< 0.95	< 0.98	< 0.95	< 0.95
	Naphthalene	91-20-3	µg/L	< 0.19	< 0.2	< 0.19	< 0.19
	Nitrobenzene	98-95-3	µg/L	< 0.95	< 0.98	< 0.95	< 0.95
	N-Nitrosodi-n-propylamine	621-64-7	µg/L	< 0.95	< 0.98	< 0.95	< 0.95
	N-Nitrosodiphenylamine	86-30-6	µg/L	< 0.95	< 0.98	< 0.95	< 0.95
	Pentachlorophenol	87-86-5	µg/L	< 4.8	< 4.9	< 4.8	< 4.8
	Phenanthrene	85-01-8	µg/L	< 0.19	< 0.2	< 0.19	< 0.19
	Phenol	108-95-2	µg/L	< 0.95	< 0.98	< 0.95	< 0.95
	Pyrene	129-00-0	µg/L	< 0.19	< 0.2	< 0.19	< 0.19

Key to Data Qualifier:
B: Analyte detected in associated blank sample.

Appendix J. Organic Water Chemistry Results for Summit Lake, 2017.

Sampling Date: July 19, 2017

Analyte Group	PARAMETER	CAS NUMBER	UNITS	SUMMIT LAKE L-1 SURFACE	SUMMIT LAKE L-1 BOTTOM	OHIO CANAL @ KENMORE BLVD	OHIO CANAL @ SOUTH AVE
Herbicides	2,4,5-T	93-76-5	µg/L	< 1	< 1	< 1	< 1
	2,4-D	94-75-7	µg/L	< 4	< 4	< 4	< 4
	Silvex (2,4,5-TP)	93-72-1	µg/L	< 1	< 1	< 1	< 1
Pesticides	4,4'-DDD	72-54-8	ug/L	<0.49	<0.97	<0.098	<0.048
	4,4'-DDE	72-55-9	ug/L	<0.49	<0.97	<0.098	<0.048
	4,4'-DDT	50-29-3	ug/L	<0.49	<0.97	<0.098	<0.048
	Aldrin	309-00-2	ug/L	<0.49	<0.97	<0.098	<0.048
	alpha-BHC	319-84-6	ug/L	<0.49	<0.97	<0.098	<0.048
	alpha-Chlordane	5103-71-9	ug/L	<0.49	<0.97	<0.098	<0.048
	beta-BHC	319-85-7	ug/L	<0.49	<0.97	<0.098	<0.048
	delta-BHC	319-86-8	ug/L	<0.49	<0.97	<0.098	<0.048
	Dieldrin	60-57-1	ug/L	<0.49	<0.97	<0.098	<0.048
	Endosulfan I	959-98-8	ug/L	<0.49	<0.97	<0.098	<0.048
	Endosulfan II	33213-65-9	ug/L	<0.49	<0.97	<0.098	<0.048
	Endosulfan sulfate	1031-07-8	ug/L	<0.49	<0.97	<0.098	<0.048
	Endrin	72-20-8	ug/L	<0.49	<0.97	<0.098	<0.048
	Endrin aldehyde	7421-93-4	ug/L	<0.49	<0.97	<0.098	<0.048
	Endrin ketone	53494-70-5	ug/L	<0.49	<0.97	<0.098	<0.048
	gamma-BHC (Lindane)	58-89-9	ug/L	<0.49	<0.97	<0.098	<0.048
	gamma-Chlordane	5103-74-2	ug/L	<0.49	<0.97	<0.098	<0.048
	Heptachlor	76-44-8	ug/L	<0.49	<0.97	<0.098	<0.048
	Heptachlor epoxide	1024-57-3	ug/L	<0.49	<0.97	<0.098	<0.048
	Methoxychlor	72-43-5	ug/L	<0.98	<1.9	<0.195	<0.096
PCB	Aroclor-1016	12674-11-2	µg/L	< 0.099	< 0.097	< 0.095	< 0.098
	Aroclor-1221	11104-28-2	µg/L	< 0.099	< 0.097	< 0.095	< 0.098
	Aroclor-1232	11141-16-5	µg/L	< 0.099	< 0.097	< 0.095	< 0.098
	Aroclor-1242	53469-21-9	µg/L	< 0.099	< 0.097	< 0.095	< 0.098
	Aroclor-1248	12672-29-6	µg/L	< 0.099	< 0.097	< 0.095	< 0.098
	Aroclor-1254	11097-69-1	µg/L	< 0.099	< 0.097	< 0.095	< 0.098
	Aroclor-1260	11096-82-5	µg/L	< 0.099	< 0.097	< 0.095	< 0.098

Key to Data Qualifier:
B: Analyte detected in associated blank sample.

Appendix K. EnviroScience, Inc. Analytical Report for Chlorophyll a Analyses

Page Intentionally Blank

Partners Environmental
31100 Solon Rd.
Cleveland, OH 44139
(440)-248-6005

November 28, 2017

RE: Chlorophyll-a Analysis

Samples

Summit Lake L-1 Surface 20170607
SL_01 – W-1 – Summit Lake L-1 Surface 20170719
SL_02 – W-4 – Ohio Canal @ Kenmore Blvd 20170719
SL_03 – W-5 – Ohio Canal @ South Avenue 20170719

To whom it may concern:

Samples were quantitatively analyzed for concentration of photosynthetic chlorophyll-a pigment. Below you will find a brief overview of the methods utilized and results. Should you have any questions or require additional information, please do not hesitate to contact me.

Best regards,

Alex Valigosky

Alexander Valigosky

Aquatic Biologist & Algal Taxonomist

1.0 OVERVIEW

Surface water surface samples were collected on June 7, 2017 and on July 19, 2017 for chlorophyll-a analysis. Analysis was conducted using ES Standard Operating Procedure No. 3006-0 (EnviroScience, Inc., 2015).

On the same day as collection, all samples were filtered to concentrate. A sub-sample from each water sample was filtered onto a glass fiber filter with a pore size of 0.7 micrometers. Filters were then frozen to hold for analysis. Maceration and extraction occurred on August 22, 2017 with subsequent spectrophotometric analysis occurring August 23, 2017. The five samples taken on June 7, 2017 were used in instrumental calibration, and the results were averaged to best represent the natural conditions in the lake on day of sampling.

2.0 RESULTS

All samples analyzed produced detectable levels of chlorophyll-a pigment. The highest measured was within the averaged sample collected on June 7, 2017 at 0.037 mg/L at the Surface L-1 Sampling Station. The samples taken from the Ohio Canal on July 19, 2017 at both Kenmore and South Ave had chlorophyll-a concentrations of 0.016 mg/L, and the L-1 Surface sample on the same day was measured at 0.029 mg/L. Filter and extract volumes are included in attached table.

3.0 LITERATURE CITED

EnviroScience, Inc. 2015. Spectrophotometric Chlorophyll a Analysis. EnviroScience Standard Operating Procedure No. 3006-0, August 19, 2015. EnviroScience, Inc., Stow, Ohio. 11 pp.

ATTACHMENT A - Results

Project Name	Lab_ID	CLIENT ID	Sample Date	Site_ID	Extract Vol	Filter Vol	CHLA_F_PPM
Summit Lake	1551	W-1	6/7/2017	Summit Lake L-1 Surface	15	200	0.037
Summit Lake	SL_01	W-1	7/19/2017	Summit Lake L-1 Surface	15	400	0.029
Summit Lake	SL_02	W-4	7/19/2017	Ohio Canal @ Kenmore Blvd	15	400	0.016
Summit Lake	SL_03	W-5	7/19/2017	Ohio Canal @ South Ave	15	400	0.016

Appendix L. EnviroScience, Inc. Analytical Report for Algal Toxin Analyses

Page Intentionally Blank

CYANOTOXINS ANALYSIS

Presented to:

Partners Summit Lake
Project #: 9338

Prepared by:

EnviroScience, Inc., 5070 Stow Road, Stow, Ohio 44224
(330) 688-0111 • 800-940-4025 • FAX: 330-688-3858
www.enviroscienceinc.com

July 24, 2017

July 24, 2017

Mr. Paul Anderson

The following is a copy of EnviroScience's report for the following toxin assays that were completed in July 2017 using samples collected July 19, 2017 at Summit Lake L-1 Surface (W-1), Ohio Canal at Kenmore (W-3), Ohio Canal at South Ave (W-4), and Summit Lake Boat Ramp (W-5). The samples were analyzed for concentrations of Microcystin, cylindrospermopsin, saxitoxin, and Anatoxin-a. Endpoints are listed below.

Cyanotoxins for Partners Summit Lake
samples collected: 07/19/17

Summit Lake L-1 Surface (W-1):

Microcystin: ND (<0.15 ppb)

Cylindrospermopsin: ND (<0.05 ppb)

Saxitoxin: 0.034 ppb

Anatoxin-a: ND (<0.15 ppb)

Ohio Canal at Kenmore (W-3):

Microcystin: ND (<0.15 ppb)

Cylindrospermopsin: ND (<0.05 ppb)

Saxitoxin: ND (<0.02 ppb)

Anatoxin-a: ND (<0.15 ppb)

Ohio Canal at South Ave (W-4):

Microcystin: ND (<0.15 ppb)

Cylindrospermopsin: ND (<0.05 ppb)

Saxitoxin: 0.029 ppb

Anatoxin-a: ND (<0.15 ppb)

Summit Lake Boat Ramp (W-5):

Microcystin: ND (<0.15 ppb)

Cylindrospermopsin: ND (<0.05 ppb)

Saxitoxin: 0.028 ppb

Anatoxin-a: ND (<0.15 ppb)

Summit Lake Boat Ramp Dup (W-5):

Microcystin: ND (<0.15 ppb)

Cylindrospermopsin: ND (<0.05 ppb)

Saxitoxin: 0.029 ppb

Anatoxin-a: ND (<0.15 ppb)

Please call me if you should have any questions.

Sincerely,

Katherine L. Hansler

Katherine L. Hansler, Aquatic Biologist

Table 1. General Information

1. Facility: Partners Summit Lake Report Date: 07/24/17

2. Address: _____

3. Facility Contact: _____ 4. Phone No.: _____

5. Testing Lab: EnviroScience, Inc., 5070 Stow Rd., Stow, OH 44224

6. Laboratory Contact: Kate Hansler 7. Phone No.: 330-688-0111

Table 2. Sampling summary.

Outfall or Sample ID	Sample Type grab/composite	Volume Received	Sample Collection MM/DD/YY-Time
Summit Lake L-1 Surface (W-1)	grab	500 mL	07/19/17-1315
Ohio Canal at Kenmore (W-3)	grab	500 mL	07/19/17
Ohio Canal at South Ave (W-4)	grab	500 mL	07/19/17-1355
Summit Lake Boat Ramp (W-5)	grab	1000 mL	07/19/17-1430

Sample received: 07/20/17

Table 3. Microcystin

DATE RECEIVED	SAMPLE ID	DATE COLLECTED	KIT Expiration DATE	R2	TYPE	CONC	Absorbance	%CV Absorbance	Average Absorbance	Average Concentration
			11/18	0.99821	S0	ND	1.788	1.28%	1.772	ND
			11/18	0.99821	S0	ND	1.756	1.28%	1.772	ND
			11/18	0.99821	S1	0.134	1.491	0.14%	1.490	0.135
			11/18	0.99821	S1	0.136	1.488	0.14%	1.490	0.135
			11/18	0.99821	S2	0.465	1.099	2.53%	1.119	0.442
			11/18	0.99821	S2	0.418	1.139	2.53%	1.119	0.442
			11/18	0.99821	S3	1.020	0.805	3.60%	0.826	0.964
			11/18	0.99821	S3	0.908	0.847	3.60%	0.826	0.964
			11/18	0.99821	S4	2.070	0.585	5.13%	0.607	1.916
			11/18	0.99821	S4	1.763	0.629	5.13%	0.607	1.916
			11/18	0.99821	S5	>5	0.398	0.18%	0.398	>5
			11/18	0.99821	S5	>5	0.399	0.18%	0.398	>5
			11/18	0.99821	KC	0.807	0.890	4.09%	0.916	0.754
			11/18	0.99821	KC	0.701	0.943	4.09%	0.916	0.754
7/20/2017	Summit Lake L-1 Surface (W-1)	7/19/2017	11/18	0.99821	U	ND	1.594	2.10%	1.619	ND
7/20/2017	Summit Lake L-1 Surface (W-1)	7/19/2017	11/18	0.99821	U	ND	1.643	2.10%	1.619	ND
7/20/2017	Ohio Canal at Kenmore (W-3)	7/19/2017	11/18	0.99821	U	ND	1.583	0.80%	1.593	ND
7/20/2017	Ohio Canal at Kenmore (W-3)	7/19/2017	11/18	0.99821	U	ND	1.602	0.80%	1.593	ND

7/20/2017	Ohio Canal at South Ave (W-4)	7/19/2017	11/18	0.99821	U	ND	1.552	0.00%	1.553	ND
7/20/2017	Ohio Canal at South Ave (W-4)	7/19/2017	11/18	0.99821	U	ND	1.553	0.00%	1.553	ND
7/20/2017	Summit Lake Boat Ramp (W-5)	7/19/2017	11/18	0.99821	U	ND	1.570	2.00%	1.593	ND
7/20/2017	Summit Lake Boat Ramp (W-5)	7/19/2017	11/18	0.99821	U	ND	1.616	2.00%	1.593	ND
7/20/2017	Summit Lake Boat Ramp Dup (W-5)	7/19/2017	11/18	0.99821	U	ND	1.552	1.30%	1.566	ND
7/20/2017	Summit Lake Boat Ramp Dup (W-5)	7/19/2017	11/18	0.99821	U	ND	1.580	1.30%	1.566	ND

Detection Limit: 0.15 ppb

NOTE: All samples, controls, and standards are run in duplicate

Table 4. Cylindrospermopsin

DATE RECEIVED	SAMPLE ID	DATE COLLECTED	KIT Expiration DATE	R2	TYPE	CONC	Absorbance	%CV Absorbance	Average Absorbance	Average Concentration
			1/18	0.99933	S1	ND	0.834	1.20%	0.827	ND
			1/18	0.99933	S1	ND	0.820	1.20%	0.827	ND
			1/18	0.99933	S2	0.057	0.701	0.70%	0.704	0.056
			1/18	0.99933	S2	0.054	0.708	0.70%	0.704	0.056
			1/18	0.99933	S3	0.101	0.632	2.53%	0.643	0.093
			1/18	0.99933	S3	0.085	0.655	2.53%	0.643	0.093
			1/18	0.99933	S4	0.251	0.477	0.30%	0.478	0.249
			1/18	0.99933	S4	0.248	0.479	0.30%	0.478	0.249
			1/18	0.99933	S5	0.482	0.356	3.67%	0.347	0.508
			1/18	0.99933	S5	0.534	0.338	3.67%	0.347	0.508
			1/18	0.99933	S6	1.010	0.241	0.89%	0.240	1.022
			1/18	0.99933	S6	1.034	0.238	0.89%	0.240	1.022
			1/18	0.99933	S7	1.716	0.182	9.10%	0.171	>2
			1/18	0.99933	S7	>2	0.160	9.10%	0.171	>2
			1/18	0.99933	KC	0.664	0.302	2.87%	0.296	0.691
			1/18	0.99933	KC	0.717	0.290	2.87%	0.296	0.691
7/20/2017	Summit Lake L-1 Surface (W-1)	7/19/2017	1/18	0.99933	U	ND	0.797	3.80%	0.776	ND
7/20/2017	Summit Lake L-1 Surface (W-1)	7/19/2017	1/18	0.99933	U	ND	0.755	3.80%	0.776	ND
7/20/2017	Ohio Canal at Kenmore (W-3)	7/19/2017	1/18	0.99933	U	ND	0.800	4.40%	0.826	ND
7/20/2017	Ohio Canal at Kenmore (W-3)	7/19/2017	1/18	0.99933	U	ND	0.851	4.40%	0.826	ND

7/20/2017	Ohio Canal at South Ave (W-4)	7/19/2017	1/18	0.99933	U	ND	0.832	1.10%	0.839	ND
7/20/2017	Ohio Canal at South Ave (W-4)	7/19/2017	1/18	0.99933	U	ND	0.845	1.10%	0.839	ND
7/20/2017	Summit Lake Boat Ramp (W-5)	7/19/2017	1/18	0.99933	U	ND	0.854	3.20%	0.874	ND
7/20/2017	Summit Lake Boat Ramp (W-5)	7/19/2017	1/18	0.99933	U	ND	0.894	3.20%	0.874	ND
7/20/2017	Summit Lake Boat Ramp Dup (W-5)	7/19/2017	1/18	0.99933	U	ND	0.862	3.80%	0.886	ND
7/20/2017	Summit Lake Boat Ramp Dup (W-5)	7/19/2017	1/18	0.99933	U	ND	0.910	3.80%	0.886	ND

Detection Limit: 0.05 ppb

NOTE: All samples, controls, and standards are run in duplicate

Table 5. Saxitoxin

DATE RECEIVED	SAMPLE ID	DATE COLLECTED	KIT Expiration DATE	R2	TYPE	CONC	Absorbance	%CV Absorbance	Average Absorbance	Average Concentration
			4/18	0.99932	S1	ND	1.120	1.53%	1.108	ND
			4/18	0.99932	S1	ND	1.096	1.53%	1.108	ND
			4/18	0.99932	S2	0.021	0.856	0.82%	0.861	0.021
			4/18	0.99932	S2	0.020	0.866	0.82%	0.861	0.021
			4/18	0.99932	S3	0.051	0.582	3.44%	0.597	0.049
			4/18	0.99932	S3	0.047	0.611	3.44%	0.597	0.049
			4/18	0.99932	S4	0.101	0.369	4.75%	0.357	0.105
			4/18	0.99932	S4	0.110	0.345	4.75%	0.357	0.105
			4/18	0.99932	S5	0.182	0.231	0.92%	0.229	0.183
			4/18	0.99932	S5	0.185	0.228	0.92%	0.229	0.183
			4/18	0.99932	S6	>0.4	0.123	1.75%	0.122	>0.4
			4/18	0.99932	S6	>0.4	0.120	1.75%	0.122	>0.4
			4/18	0.99932	KC	0.071	0.474	0.15%	0.474	0.071
			4/18	0.99932	KC	0.071	0.473	0.15%	0.474	0.071
7/20/2017	Summit Lake L-1 Surface (W-1)	7/19/2017	4/18	0.99932	U	0.035	0.733	2.60%	0.747	0.034
7/20/2017	Summit Lake L-1 Surface (W-1)	7/19/2017	4/18	0.99932	U	0.032	0.760	2.60%	0.747	0.034
7/20/2017	Ohio Canal at Kenmore (W-3)	7/19/2017	4/18	0.99932	U	ND	0.903	0.00%	0.903	ND
7/20/2017	Ohio Canal at Kenmore (W-3)	7/19/2017	4/18	0.99932	U	ND	0.903	0.00%	0.903	ND
7/20/2017	Ohio Canal at South Ave (W-4)	7/19/2017	4/18	0.99932	U	0.028	0.802	1.20%	0.796	0.029
7/20/2017	Ohio Canal at South Ave (W-4)	7/19/2017	4/18	0.99932	U	0.030	0.789	1.20%	0.796	0.029

7/20/2017	Summit Lake Boat Ramp (W-5)	7/19/2017	4/18	0.99932	U	0.031	0.773	6.20%	0.809	0.028
7/20/2017	Summit Lake Boat Ramp (W-5)	7/19/2017	4/18	0.99932	U	0.024	0.844	6.20%	0.809	0.028
7/20/2017	Summit Lake Boat Ramp Dup (W-5)	7/19/2017	4/18	0.99932	U	0.029	0.792	0.30%	0.791	0.029
7/20/2017	Summit Lake Boat Ramp Dup (W-5)	7/19/2017	4/18	0.99932	U	0.030	0.789	0.30%	0.791	0.029

Detection Limit: 0.02 ppb

NOTE: All samples, controls, and standards are run in duplicate

Table 6. Anatoxin-a

DATE RECEIVED	SAMPLE ID	DATE COLLECTED	KIT Expiration DATE	R2	TYPE	CONC	Absorbance	%CV Absorbance	Average Absorbance	Average Concentration
			8/17	0.99999	S1	ND	0.890	1.20%	0.882	ND
			8/17	0.99999	S1	ND	0.875	1.20%	0.882	ND
			8/17	0.99999	S2	0.125	0.767	2.82%	0.752	0.149
			8/17	0.99999	S2	0.173	0.737	2.82%	0.752	0.149
			8/17	0.99999	S3	0.384	0.636	1.57%	0.629	0.403
			8/17	0.99999	S3	0.421	0.622	1.57%	0.629	0.403
			8/17	0.99999	S4	0.859	0.496	8.94%	0.466	1.009
			8/17	0.99999	S4	1.159	0.437	8.94%	0.466	1.009
			8/17	0.99999	S5	2.474	0.285	0.75%	0.284	2.493
			8/17	0.99999	S5	2.513	0.282	0.75%	0.284	2.493
			8/17	0.99999	S6	4.860	0.164	4.45%	0.159	>5
			8/17	0.99999	S6	>5	0.154	4.45%	0.159	>5
			8/17	0.99999	KC	0.753	0.521	3.33%	0.509	0.804
			8/17	0.99999	KC	0.855	0.497	3.33%	0.509	0.804
7/20/2017	Summit Lake L-1 Surface (W-1)	7/19/2017	8/17	0.99999	U	ND	0.827	1.10%	0.821	ND
7/20/2017	Summit Lake L-1 Surface (W-1)	7/19/2017	8/17	0.99999	U	ND	0.814	1.10%	0.821	ND
7/20/2017	Ohio Canal at Kenmore (W-3)	7/19/2017	8/17	0.99999	U	ND	0.872	0.20%	0.871	ND
7/20/2017	Ohio Canal at Kenmore (W-3)	7/19/2017	8/17	0.99999	U	ND	0.870	0.20%	0.871	ND

7/20/2017	Ohio Canal at South Ave (W-4)	7/19/2017	8/17	0.99999	U	ND	0.835	3.00%	0.818	ND
7/20/2017	Ohio Canal at South Ave (W-4)	7/19/2017	8/17	0.99999	U	ND	0.800	3.00%	0.818	ND
7/20/2017	Summit Lake Boat Ramp (W-5)	7/19/2017	8/17	0.99999	U	ND	0.824	0.60%	0.821	ND
7/20/2017	Summit Lake Boat Ramp (W-5)	7/19/2017	8/17	0.99999	U	ND	0.817	0.60%	0.821	ND
7/20/2017	Summit Lake Boat Ramp Dup (W-5)	7/19/2017	8/17	0.99999	U	ND	0.785	0.10%	0.785	ND
7/20/2017	Summit Lake Boat Ramp Dup (W-5)	7/19/2017	8/17	0.99999	U	ND	0.784	0.10%	0.785	ND

Detection Limit: 0.15 ppb

NOTE: All samples, controls, and standards are run in duplicate

TERMS

ppb = parts per billion

Kit Expiration Date = Abraxis toxin assay kit expiration date

R2 = Standard curve correlation coefficient

Type = Sample type
- S = Standard
- KC = Kit Control
- NC = Negative Control
- U = Unknown

CONC = Concentration of toxin in ppb

% CV Absorbance = Coefficient of variation measured in per cent for the absorbance

Page Intentionally Blank

Appendix M. EnviroScience, Inc. Qualitative Algae Data Report for Summit Lake

Page Intentionally Blank

Partners Environmental
31100 Solon Rd.
Cleveland, OH 44139
(440)-248-6005

July 26, 2017

RE: Qualitative Algae Analysis

Samples

SL_01 – Summit Lake L-1 Surface
SL_02 – Ohio Canal @ Kenmore Blvd
SL_03 – Ohio Canal @ South Avenue
SL_04 – Summit Lake Boat Ramp

To whom it may concern:

Samples were qualitatively analyzed for algae species. Below you will find a brief overview of the methods utilized, results, photomicrographs of dominant species and associated species data. Should you have any questions or require additional information, please do not hesitate to contact me.

Best regards,

Bradley Bartelme

Aquatic Biologist & Algal Taxonomist

bbartelme@enviroscienceinc.com
www.EnviroScienceInc.com

1.0 OVERVIEW

Samples were analyzed under an inverted microscope Olympus IX73 phase contrast at 400x, 200x and 100x magnifications. Subsamples were concentrated for ease of identification, and 0.1ml of each subsample was placed in a Palmer Maloney plankton counting chamber.

2.0 RESULTS

2.1. SL_01 – SUMMIT LAKE L-1 SURFACE

Overall, 25 species of algae were observed in sample SL_01. Cyanobacteria (blue-green algae) were the dominant algal assemblage, typically indicative of nutrient enrichment. Shifts towards a cyanobacteria dominant algal assemblage is commonly observed during the late summer season. Multiple species observed included toxin producing harmful algal bloom (HAB) species.

2.2. SL_02 - OHIO CANAL @ KENMORE BLVD

Overall, 28 species of algae were observed in sample SL_02. Cyanobacteria (blue-green algae) were the dominant algal assemblage, typically indicative of nutrient enrichment. Shifts towards a cyanobacteria dominant algal assemblage is commonly observed during the late summer season. Multiple species observed included toxin producing harmful algal bloom (HAB) species.

2.3. SL_03 - OHIO CANAL @ SOUTH AVE

Overall, 27 species of algae were observed in sample SL_03. Cyanobacteria (blue-green algae) were the dominant algal assemblage, typically indicative of nutrient enrichment. Shifts towards a cyanobacteria dominant algal assemblage is commonly observed during the late summer season. Multiple species observed included toxin producing harmful algal bloom (HAB) species.

2.4. SL_04 - SUMMIT LAKE BOAT RAMP

Overall, 26 species of algae were observed in sample SL_04. Cyanobacteria (blue-green algae) were the dominant algal assemblage, typically indicative of nutrient enrichment. Shifts towards a cyanobacteria dominant algal assemblage is commonly observed during the late summer season. Multiple species observed included toxin producing harmful algal bloom (HAB) species.

3.0 PHOTOMICROGRAPHS

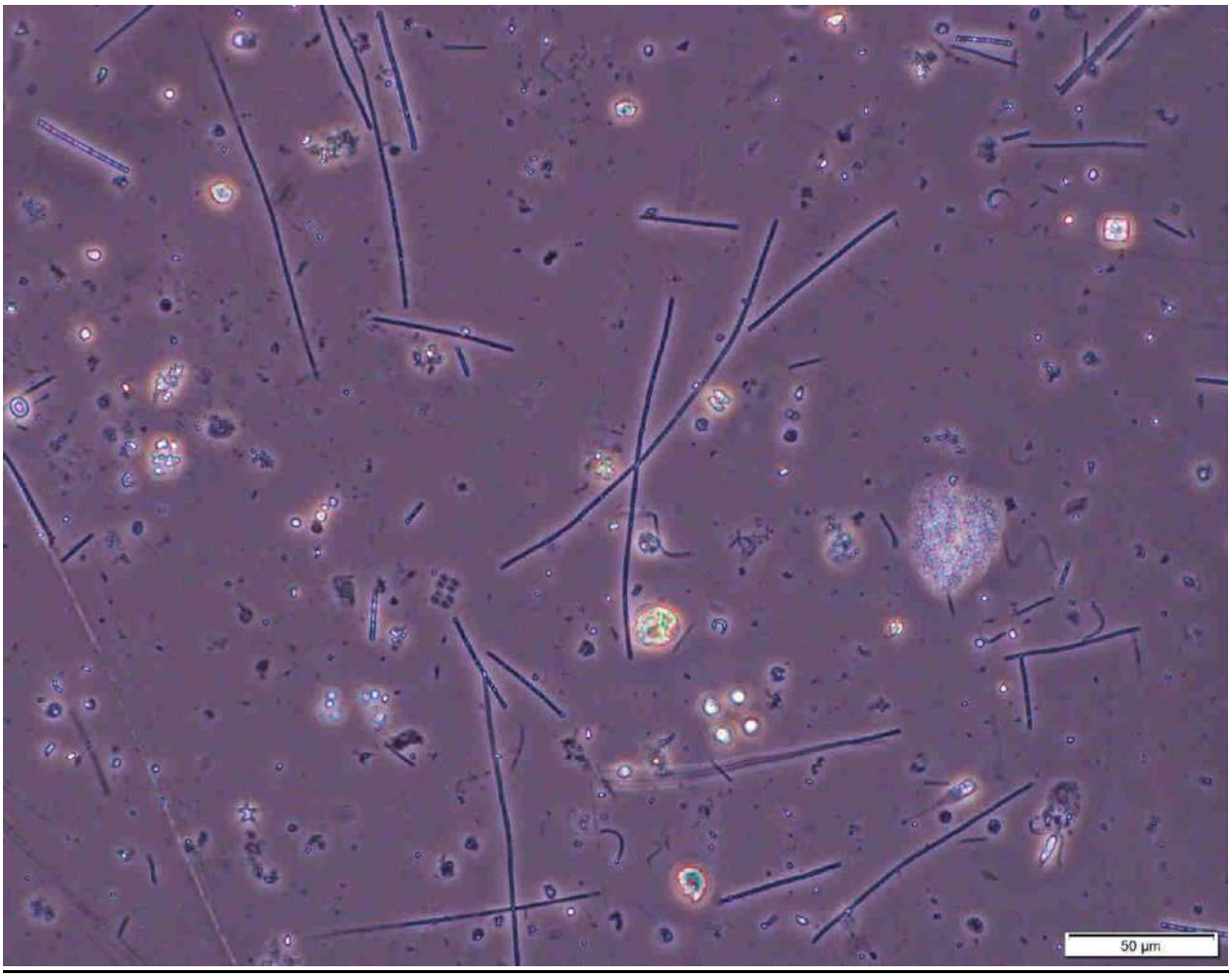


Fig. 1 – Filamentous Cyanobacteria– *Leptolyngbya* sp. (400x – Scale Bar = 50 µm)

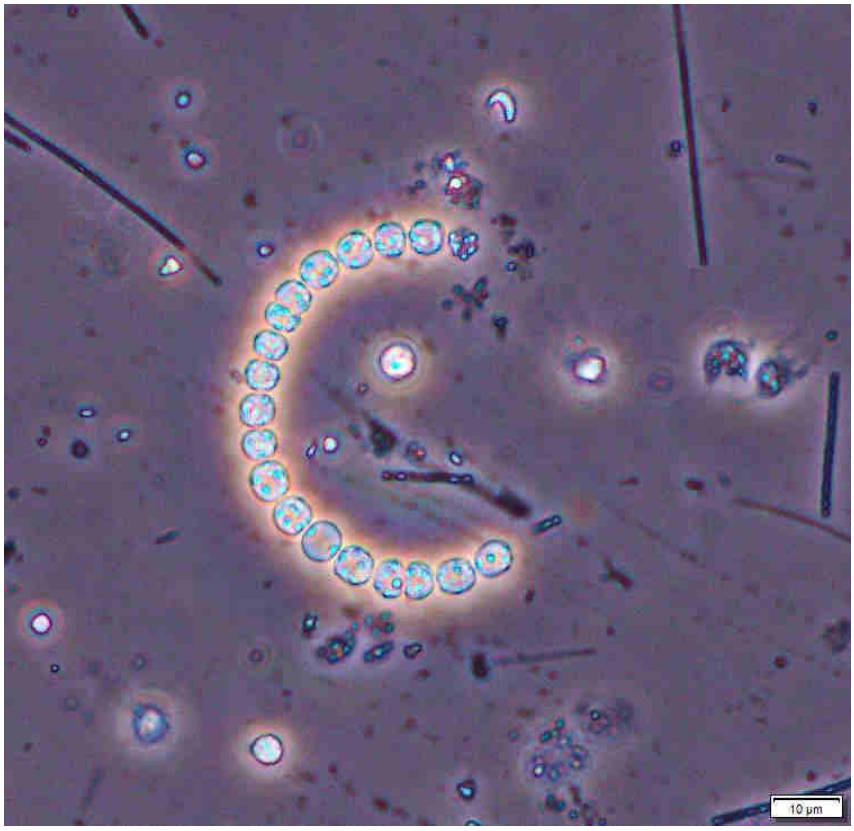


Fig. 2 – Filamentous Cyanobacteria– *Dolichospermum flos-aquae* (400x – Scale Bar = 10 µm)

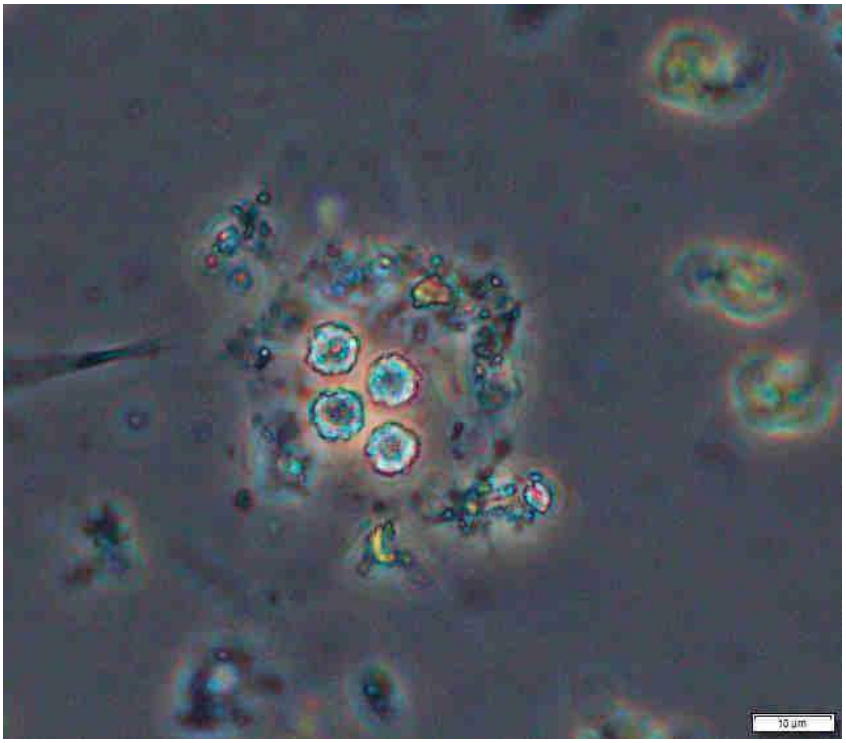


Fig. 3 – Colonial Cyanobacteria – *Microcystis wesenbergii* (400x – Scale Bar = 10 µm)

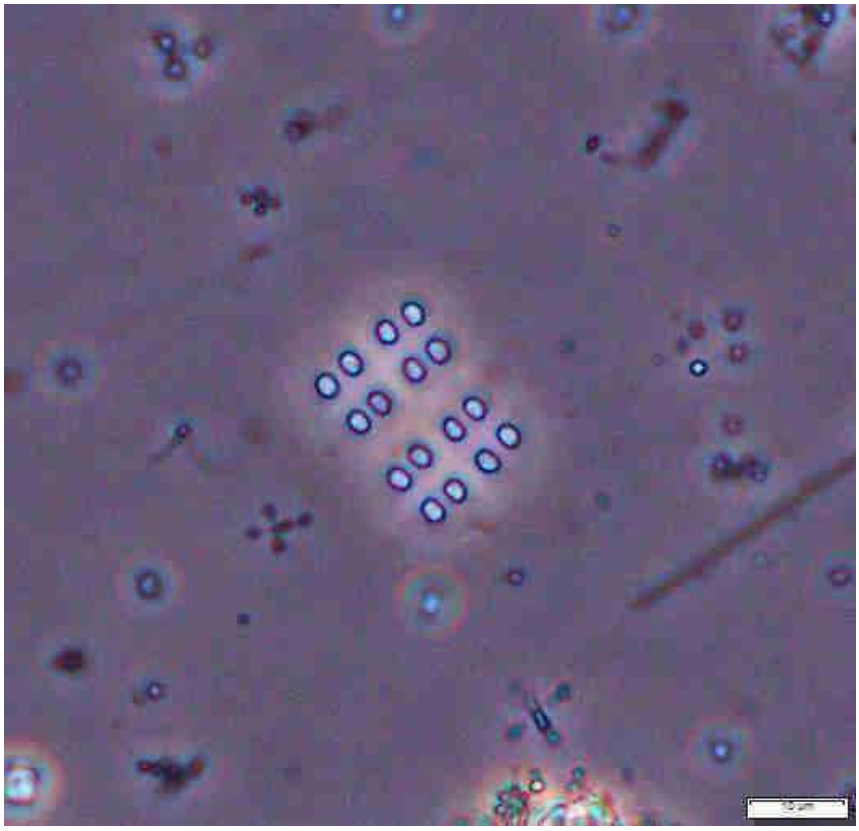


Fig. 4 – Colonial cyanobacteria – *Merismopedia punctata* (400x - Scale Bar = 10 µm)

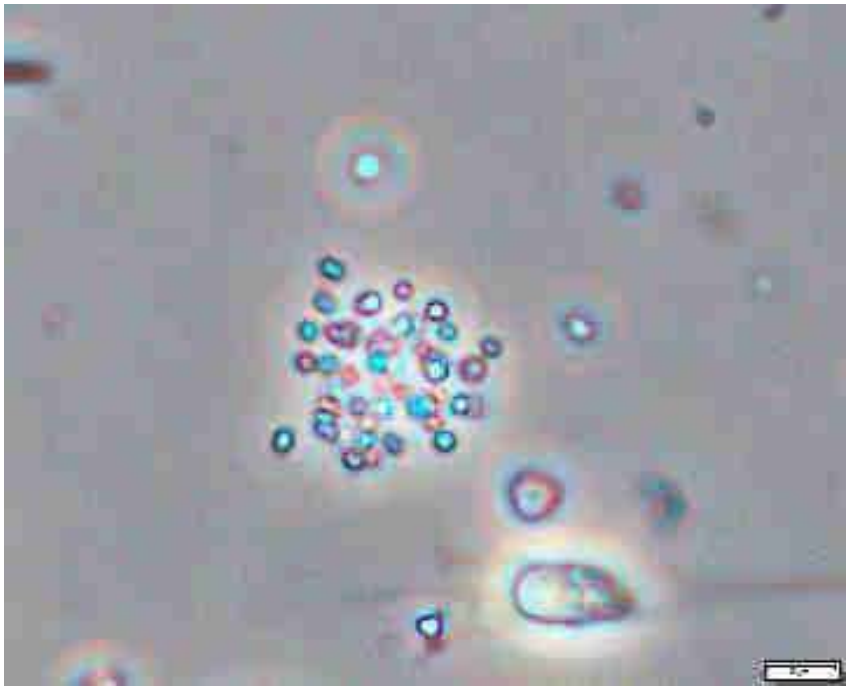


Fig. 5 – Colonial cyanobacteria – *Aphanocapsa incerta* (400x - Scale Bar = 5 µm)

SPECIES LISTS – ATTACHMENT A

Project Name	Lab_ID	Site_ID	BioDataTaxonName	ALGALGROUP	PHYLUM	CLASS	ORDER	FAMILY	GENUS
Summit Lake	SL_01	Summit Lake L-1 Surface	Glaucospira spp.	Blue-Green Algae	Cyanophyta	Myxophyceae	Oscillatoriales	Pseudanabaenaceae	Glaucospira
Summit Lake	SL_01	Summit Lake L-1 Surface	Leptolyngbya sp.	Blue-Green Algae	Cyanophyta	Myxophyceae	Oscillatoriales	Pseudanabaenaceae	Leptolyngbya
Summit Lake	SL_01	Summit Lake L-1 Surface	Merismopedia punctata	Blue-Green Algae	Cyanophyta	Myxophyceae	Chroococcales	Merismopediaceae	Merismopedia
Summit Lake	SL_01	Summit Lake L-1 Surface	Merismopedia tenuissima	Blue-Green Algae	Cyanophyta	Myxophyceae	Chroococcales	Merismopediaceae	Merismopedia
Summit Lake	SL_01	Summit Lake L-1 Surface	Pseudanabaena limnetica	Blue-Green Algae	Cyanophyta	Myxophyceae	Oscillatoriales	Pseudanabaenaceae	Pseudanabaena
Summit Lake	SL_01	Summit Lake L-1 Surface	Chroococcus minor	Blue-Green Algae	Cyanophyta	Myxophyceae	Chroococcales	Chroococcaceae	Chroococcus
Summit Lake	SL_01	Summit Lake L-1 Surface	Aphanocapsa incerta	Blue-Green Algae	Cyanophyta	Myxophyceae	Chroococcales	Merismopediaceae	Aphanocapsa
Summit Lake	SL_01	Summit Lake L-1 Surface	Komvophoron schmidlei	Blue-Green Algae	Cyanophyta	Myxophyceae	Oscillatoriales	Borziaceae	Komvophoron
Summit Lake	SL_01	Summit Lake L-1 Surface	Phormidium formosum	Blue-Green Algae	Cyanophyta	Myxophyceae	Oscillatoriales	Phormidiaceae	Phormidium
Summit Lake	SL_01	Summit Lake L-1 Surface	Dolichospermum sigmoideum	Blue-green Algae	Cyanophyta	Myxophyceae	Nostocales	Aphanizomenonaceae	Dolichospermum
Summit Lake	SL_01	Summit Lake L-1 Surface	Dolichospermum flos-aquae	Blue-green Algae	Cyanophyta	Myxophyceae	Nostocales	Aphanizomenonaceae	Dolichospermum
Summit Lake	SL_01	Summit Lake L-1 Surface	Nitzschia spp.	Diatom	Bacillariophyta	Bacillariophyceae	Bacillariales	Bacillariaceae	Nitzschia
Summit Lake	SL_01	Summit Lake L-1 Surface	Cyclotella spp.	Diatom	Bacillariophyta	Bacillariophyceae	Thalassiosirales	Stephanodiscaceae	Cyclotella
Summit Lake	SL_01	Summit Lake L-1 Surface	Fragilaria spp.	Diatom	Bacillariophyta	Bacillariophyceae	Fragilariales	Fragilariaceae	Fragilaria
Summit Lake	SL_01	Summit Lake L-1 Surface	Trachelomonas hispida	Euglenoids	Euglenophyta	Euglenophyceae	Euglenales	Euglenaceae	Trachelomonas
Summit Lake	SL_01	Summit Lake L-1 Surface	Closteriopsis acicularis	Green Algae	Chlorophyta	Chlorophyceae	Chlorococcales	Oocystaceae	Closteriopsis
Summit Lake	SL_01	Summit Lake L-1 Surface	Chlamydomonas spp.	Green Algae	Chlorophyta	Chlorophyceae	Volvocales	Chlamydomonadaceae	Chlamydomonas
Summit Lake	SL_01	Summit Lake L-1 Surface	Ankistrodesmus falcatus	Green Algae	Chlorophyta	Chlorophyceae	Chlorococcales	Oocystaceae	Ankistrodesmus
Summit Lake	SL_01	Summit Lake L-1 Surface	Chlorella vulgaris	Green Algae	Chlorophyta	Chlorophyceae	Chlorococcales	Oocystaceae	Chlorella
Summit Lake	SL_01	Summit Lake L-1 Surface	Kirchneriella lunaris	Green Algae	Chlorophyta	Chlorophyceae	Chlorococcales	Oocystaceae	Kirchneriella
Summit Lake	SL_01	Summit Lake L-1 Surface	Scenedesmus ecornis	Green Algae	Chlorophyta	Chlorophyceae	Chlorococcales	Scenedesmaceae	Scenedesmus
Summit Lake	SL_01	Summit Lake L-1 Surface	Dictyosphaerium pulchellum	Green Algae	Chlorophyta	Chlorophyceae	Chlorococcales	Oocystaceae	Dictyosphaerium
Summit Lake	SL_01	Summit Lake L-1 Surface	Coelastrum astroideum	Green Algae	Chlorophyta	Chlorophyceae	Chlorococcales	Scenedesmaceae	Coelastrum
Summit Lake	SL_01	Summit Lake L-1 Surface	Crucigeniella rectangularis	Green Algae	Chlorophyta	Chlorophyceae	Chlorococcales	Scenedesmaceae	Crucigeniella
Summit Lake	SL_01	Summit Lake L-1 Surface	Dinobryon bavaricum	Yellow-Green Algae	Chrysophyta	Chrysophyceae	Chrysomonadales	Dinobryaceae	Dinobryon

Project Name	Lab_ID	Site_ID	BioDataTaxonName	ALGALGROUP	PHYLUM	CLASS	ORDER	FAMILY	GENUS
Summit Lake	SL_02	Ohio Canal @ Kenmore Blvd	Glaucospira spp.	Blue-Green Algae	Cyanophyta	Myxophyceae	Oscillatoriales	Pseudanabaenaceae	Glaucospira
Summit Lake	SL_02	Ohio Canal @ Kenmore Blvd	Leptolyngbya sp.	Blue-Green Algae	Cyanophyta	Myxophyceae	Oscillatoriales	Pseudanabaenaceae	Leptolyngbya
Summit Lake	SL_02	Ohio Canal @ Kenmore Blvd	Merismopedia punctata	Blue-Green Algae	Cyanophyta	Myxophyceae	Chroococcales	Merismopediaceae	Merismopedia
Summit Lake	SL_02	Ohio Canal @ Kenmore Blvd	Merismopedia tenuissima	Blue-Green Algae	Cyanophyta	Myxophyceae	Chroococcales	Merismopediaceae	Merismopedia
Summit Lake	SL_02	Ohio Canal @ Kenmore Blvd	Pseudanabaena limnetica	Blue-Green Algae	Cyanophyta	Myxophyceae	Oscillatoriales	Pseudanabaenaceae	Pseudanabaena
Summit Lake	SL_02	Ohio Canal @ Kenmore Blvd	Aphanocapsa incerta	Blue-Green Algae	Cyanophyta	Myxophyceae	Chroococcales	Merismopediaceae	Aphanocapsa
Summit Lake	SL_02	Ohio Canal @ Kenmore Blvd	Phormidium formosum	Blue-Green Algae	Cyanophyta	Myxophyceae	Oscillatoriales	Phormidiaceae	Phormidium
Summit Lake	SL_02	Ohio Canal @ Kenmore Blvd	Dolichospermum flos-aquae	Blue-green Algae	Cyanophyta	Myxophyceae	Nostocales	Aphanizomenonaceae	Dolichospermum
Summit Lake	SL_02	Ohio Canal @ Kenmore Blvd	Nitzschia spp.	Diatom	Bacillariophyta	Bacillariophyceae	Bacillariales	Bacillariaceae	Nitzschia
Summit Lake	SL_02	Ohio Canal @ Kenmore Blvd	Cyclotella spp.	Diatom	Bacillariophyta	Bacillariophyceae	Thalassiosirales	Stephanodiscaceae	Cyclotella
Summit Lake	SL_02	Ohio Canal @ Kenmore Blvd	Fragilaria spp.	Diatom	Bacillariophyta	Bacillariophyceae	Fragilariales	Fragilariaceae	Fragilaria
Summit Lake	SL_02	Ohio Canal @ Kenmore Blvd	Trachelomonas hispida	Euglenoids	Euglenophyta	Euglenophyceae	Euglenales	Euglenaceae	Trachelomonas
Summit Lake	SL_02	Ohio Canal @ Kenmore Blvd	Chlamydomonas spp.	Green Algae	Chlorophyta	Chlorophyceae	Volvocales	Chlamydomonadaceae	Chlamydomonas
Summit Lake	SL_02	Ohio Canal @ Kenmore Blvd	Ankistrodesmus falcatus	Green Algae	Chlorophyta	Chlorophyceae	Chlorococcales	Oocystaceae	Ankistrodesmus
Summit Lake	SL_02	Ohio Canal @ Kenmore Blvd	Chlorella vulgaris	Green Algae	Chlorophyta	Chlorophyceae	Chlorococcales	Oocystaceae	Chlorella
Summit Lake	SL_02	Ohio Canal @ Kenmore Blvd	Scenedesmus spinosus	Green Algae	Chlorophyta	Chlorophyceae	Chlorococcales	Scenedesmaceae	Scenedesmus
Summit Lake	SL_02	Ohio Canal @ Kenmore Blvd	Scenedesmus quadricauda	Green Algae	Chlorophyta	Chlorophyceae	Chlorococcales	Scenedesmaceae	Scenedesmus
Summit Lake	SL_02	Ohio Canal @ Kenmore Blvd	Kirchneriella lunaris	Green Algae	Chlorophyta	Chlorophyceae	Chlorococcales	Oocystaceae	Kirchneriella
Summit Lake	SL_02	Ohio Canal @ Kenmore Blvd	Scenedesmus acuminatus	Green Algae	Chlorophyta	Chlorophyceae	Chlorococcales	Scenedesmaceae	Scenedesmus
Summit Lake	SL_02	Ohio Canal @ Kenmore Blvd	Actinastrum hantzschii	Green Algae	Chlorophyta	Chlorophyceae	Chlorococcales	Scenedesmaceae	Actinastrum
Summit Lake	SL_02	Ohio Canal @ Kenmore Blvd	Pediastrum simplex	Green Algae	Chlorophyta	Chlorophyceae	Chlorococcales	Hydrodictyaceae	Pediastrum
Summit Lake	SL_02	Ohio Canal @ Kenmore Blvd	Scenedesmus denticulatus	Green Algae	Chlorophyta	Chlorophyceae	Chlorococcales	Scenedesmaceae	Scenedesmus
Summit Lake	SL_02	Ohio Canal @ Kenmore Blvd	Dictyosphaerium pulchellum	Green Algae	Chlorophyta	Chlorophyceae	Chlorococcales	Oocystaceae	Dictyosphaerium
Summit Lake	SL_02	Ohio Canal @ Kenmore Blvd	Coelastrum astroideum	Green Algae	Chlorophyta	Chlorophyceae	Chlorococcales	Scenedesmaceae	Coelastrum
Summit Lake	SL_02	Ohio Canal @ Kenmore Blvd	Crucigenia tetrapedia	Green Algae	Chlorophyta	Chlorophyceae	Chlorococcales	Scenedesmaceae	Crucigenia
Summit Lake	SL_02	Ohio Canal @ Kenmore Blvd	Crucigeniella rectangularis	Green Algae	Chlorophyta	Chlorophyceae	Chlorococcales	Scenedesmaceae	Crucigeniella
Summit Lake	SL_02	Ohio Canal @ Kenmore Blvd	Scenedesmus granulatus	Green Algae	Chlorophyta	Chlorophyceae	Chlorococcales	Scenedesmaceae	Scenedesmus
Summit Lake	SL_02	Ohio Canal @ Kenmore Blvd	Dinobryon bavaricum	Yellow-Green Algae	Chrysophyta	Chrysophyceae	Chrysomonadales	Dinobryaceae	Dinobryon

Project Name	Lab_ID	Site_ID	BioDataTaxonName	ALGALGROUP	PHYLUM	CLASS	ORDER	FAMILY	GENUS
Summit Lake	SL_03	Ohio Canal @ South Ave	Glaucospira spp.	Blue-Green Algae	Cyanophyta	Myxophyceae	Oscillatoriales	Pseudanabaenaceae	Glaucospira
Summit Lake	SL_03	Ohio Canal @ South Ave	Aphanocapsa nubilum	Blue-Green Algae	Cyanophyta	Myxophyceae	Chroococcales	Merismopediaceae	Aphanocapsa
Summit Lake	SL_03	Ohio Canal @ South Ave	Leptolyngbya sp.	Blue-Green Algae	Cyanophyta	Myxophyceae	Oscillatoriales	Pseudanabaenaceae	Leptolyngbya
Summit Lake	SL_03	Ohio Canal @ South Ave	Merismopedia punctata	Blue-Green Algae	Cyanophyta	Myxophyceae	Chroococcales	Merismopediaceae	Merismopedia
Summit Lake	SL_03	Ohio Canal @ South Ave	Merismopedia tenuissima	Blue-Green Algae	Cyanophyta	Myxophyceae	Chroococcales	Merismopediaceae	Merismopedia
Summit Lake	SL_03	Ohio Canal @ South Ave	Pseudanabaena limnetica	Blue-Green Algae	Cyanophyta	Myxophyceae	Oscillatoriales	Pseudanabaenaceae	Pseudanabaena
Summit Lake	SL_03	Ohio Canal @ South Ave	Aphanocapsa incerta	Blue-Green Algae	Cyanophyta	Myxophyceae	Chroococcales	Merismopediaceae	Aphanocapsa
Summit Lake	SL_03	Ohio Canal @ South Ave	Microcystis wesenbergii	Blue-Green Algae	Cyanophyta	Myxophyceae	Chroococcales	Microcystaceae	Microcystis
Summit Lake	SL_03	Ohio Canal @ South Ave	Phormidium formosum	Blue-Green Algae	Cyanophyta	Myxophyceae	Oscillatoriales	Phormidiaceae	Phormidium
Summit Lake	SL_03	Ohio Canal @ South Ave	Dolichospermum flos-aquae	Blue-green Algae	Cyanophyta	Myxophyceae	Nostocales	Aphanizomenonaceae	Dolichospermum
Summit Lake	SL_03	Ohio Canal @ South Ave	Cyclotella spp.	Diatom	Bacillariophyta	Bacillariophyceae	Thalassiosirales	Stephanodiscaceae	Cyclotella
Summit Lake	SL_03	Ohio Canal @ South Ave	Fragilaria spp.	Diatom	Bacillariophyta	Bacillariophyceae	Fragilariales	Fragilariaceae	Fragilaria
Summit Lake	SL_03	Ohio Canal @ South Ave	Ceratium hirundinella	Dinoflagellates	Pyrrhophyta	Dinophyceae	Peridiniales	Oxytoxaceae	Ceratium
Summit Lake	SL_03	Ohio Canal @ South Ave	Trachelomonas hispida	Euglenoids	Euglenophyta	Euglenophyceae	Euglenales	Euglenaceae	Trachelomonas
Summit Lake	SL_03	Ohio Canal @ South Ave	Lepocinclis sp.	Euglenoids	Euglenophyta	Euglenophyceae	Euglenales	Euglenaceae	Lepocinclis
Summit Lake	SL_03	Ohio Canal @ South Ave	Teilingia sp.	Green Algae	Chlorophyta	Chlorophyceae	Zygnematales	Desmidiaceae	Teilingia
Summit Lake	SL_03	Ohio Canal @ South Ave	Chlamydomonas spp.	Green Algae	Chlorophyta	Chlorophyceae	Volvocales	Chlamydomonadaceae	Chlamydomonas
Summit Lake	SL_03	Ohio Canal @ South Ave	Ankistrodesmus falcatus	Green Algae	Chlorophyta	Chlorophyceae	Chlorococcales	Oocystaceae	Ankistrodesmus
Summit Lake	SL_03	Ohio Canal @ South Ave	Scenedesmus quadricauda	Green Algae	Chlorophyta	Chlorophyceae	Chlorococcales	Scenedesmaceae	Scenedesmus
Summit Lake	SL_03	Ohio Canal @ South Ave	Kirchneriella lunaris	Green Algae	Chlorophyta	Chlorophyceae	Chlorococcales	Oocystaceae	Kirchneriella
Summit Lake	SL_03	Ohio Canal @ South Ave	Scenedesmus acuminatus	Green Algae	Chlorophyta	Chlorophyceae	Chlorococcales	Scenedesmaceae	Scenedesmus
Summit Lake	SL_03	Ohio Canal @ South Ave	Scenedesmus ecornis	Green Algae	Chlorophyta	Chlorophyceae	Chlorococcales	Scenedesmaceae	Scenedesmus
Summit Lake	SL_03	Ohio Canal @ South Ave	Scenedesmus denticulatus	Green Algae	Chlorophyta	Chlorophyceae	Chlorococcales	Scenedesmaceae	Scenedesmus
Summit Lake	SL_03	Ohio Canal @ South Ave	Oocystis parva	Green Algae	Chlorophyta	Chlorophyceae	Chlorococcales	Oocystaceae	Oocystis
Summit Lake	SL_03	Ohio Canal @ South Ave	Dictyosphaerium pulchellum	Green Algae	Chlorophyta	Chlorophyceae	Chlorococcales	Oocystaceae	Dictyosphaerium
Summit Lake	SL_03	Ohio Canal @ South Ave	Crucigenia rectangularis	Green Algae	Chlorophyta	Chlorophyceae	Chlorococcales	Scenedesmaceae	Crucigenia
Summit Lake	SL_03	Ohio Canal @ South Ave	Dinobryon bavaricum	Yellow-Green Algae	Chrysophyta	Chrysophyceae	Chrysomonadales	Dinobryaceae	Dinobryon

Project Name	Lab_ID	Site_ID	BioDataTaxonName	ALGALGROUP	PHYLUM	CLASS	ORDER	FAMILY	GENUS
Summit Lake	SL_04	Summit Lake Boat Ramp	Glaucospira spp.	Blue-Green Algae	Cyanophyta	Myxophyceae	Oscillatoriales	Pseudanabaenaceae	Glaucospira
Summit Lake	SL_04	Summit Lake Boat Ramp	Leptolyngbya sp.	Blue-Green Algae	Cyanophyta	Myxophyceae	Oscillatoriales	Pseudanabaenaceae	Leptolyngbya
Summit Lake	SL_04	Summit Lake Boat Ramp	Merismopedia punctata	Blue-Green Algae	Cyanophyta	Myxophyceae	Chroococcales	Merismopediaceae	Merismopedia
Summit Lake	SL_04	Summit Lake Boat Ramp	Merismopedia tenuissima	Blue-Green Algae	Cyanophyta	Myxophyceae	Chroococcales	Merismopediaceae	Merismopedia
Summit Lake	SL_04	Summit Lake Boat Ramp	Aphanocapsa incerta	Blue-Green Algae	Cyanophyta	Myxophyceae	Chroococcales	Merismopediaceae	Aphanocapsa
Summit Lake	SL_04	Summit Lake Boat Ramp	Microcystis wesenbergii	Blue-Green Algae	Cyanophyta	Myxophyceae	Chroococcales	Microcystaceae	Microcystis
Summit Lake	SL_04	Summit Lake Boat Ramp	Phormidium formosum	Blue-Green Algae	Cyanophyta	Myxophyceae	Oscillatoriales	Phormidiaceae	Phormidium
Summit Lake	SL_04	Summit Lake Boat Ramp	Dolichospermum flos-aquae	Blue-green Algae	Cyanophyta	Myxophyceae	Nostocales	Aphanizomenonaceae	Dolichospermum
Summit Lake	SL_04	Summit Lake Boat Ramp	Nitzschia spp.	Diatom	Bacillariophyta	Bacillariophyceae	Bacillariales	Bacillariaceae	Nitzschia
Summit Lake	SL_04	Summit Lake Boat Ramp	Cyclotella spp.	Diatom	Bacillariophyta	Bacillariophyceae	Thalassiosirales	Stephanodiscaceae	Cyclotella
Summit Lake	SL_04	Summit Lake Boat Ramp	Fragilaria spp.	Diatom	Bacillariophyta	Bacillariophyceae	Fragilariales	Fragilariaceae	Fragilaria
Summit Lake	SL_04	Summit Lake Boat Ramp	Ceratium hirundinella	Dinoflagellates	Pyrrhophyta	Dinophyceae	Peridiniales	Oxytoxaceae	Ceratium
Summit Lake	SL_04	Summit Lake Boat Ramp	Trachelomonas hispida	Euglenoids	Euglenophyta	Euglenophyceae	Euglenales	Euglenaceae	Trachelomonas
Summit Lake	SL_04	Summit Lake Boat Ramp	Teilingia sp.	Green Algae	Chlorophyta	Chlorophyceae	Zygnematales	Desmidiaceae	Teilingia
Summit Lake	SL_04	Summit Lake Boat Ramp	Closteriopsis acicularis	Green Algae	Chlorophyta	Chlorophyceae	Chlorococcales	Oocystaceae	Closteriopsis
Summit Lake	SL_04	Summit Lake Boat Ramp	Chlamydomonas spp.	Green Algae	Chlorophyta	Chlorophyceae	Volvocales	Chlamydomonadaceae	Chlamydomonas
Summit Lake	SL_04	Summit Lake Boat Ramp	Chlorella vulgaris	Green Algae	Chlorophyta	Chlorophyceae	Chlorococcales	Oocystaceae	Chlorella
Summit Lake	SL_04	Summit Lake Boat Ramp	Scenedesmus spinosus	Green Algae	Chlorophyta	Chlorophyceae	Chlorococcales	Scenedesmaceae	Scenedesmus
Summit Lake	SL_04	Summit Lake Boat Ramp	Kirchneriella lunaris	Green Algae	Chlorophyta	Chlorophyceae	Chlorococcales	Oocystaceae	Kirchneriella
Summit Lake	SL_04	Summit Lake Boat Ramp	Scenedesmus acuminatus	Green Algae	Chlorophyta	Chlorophyceae	Chlorococcales	Scenedesmaceae	Scenedesmus
Summit Lake	SL_04	Summit Lake Boat Ramp	Scenedesmus ecornis	Green Algae	Chlorophyta	Chlorophyceae	Chlorococcales	Scenedesmaceae	Scenedesmus
Summit Lake	SL_04	Summit Lake Boat Ramp	Micractinium pusillum	Green Algae	Chlorophyta	Chlorophyceae	Chlorococcales	Micractiniaceae	Micractinium
Summit Lake	SL_04	Summit Lake Boat Ramp	Dictyosphaerium pulchellum	Green Algae	Chlorophyta	Chlorophyceae	Chlorococcales	Oocystaceae	Dictyosphaerium
Summit Lake	SL_04	Summit Lake Boat Ramp	Coelastrum astroideum	Green Algae	Chlorophyta	Chlorophyceae	Chlorococcales	Scenedesmaceae	Coelastrum
Summit Lake	SL_04	Summit Lake Boat Ramp	Crucigeniella rectangularis	Green Algae	Chlorophyta	Chlorophyceae	Chlorococcales	Scenedesmaceae	Crucigeniella
Summit Lake	SL_04	Summit Lake Boat Ramp	Dinobryon bavaricum	Yellow-Green Algae	Chrysophyta	Chrysophyceae	Chrysomonadales	Dinobryaceae	Dinobryon

Appendix N. Adams Water Laboratory E. coli Sample Reports

Page Intentionally Blank

Adams Water Laboratory, Inc.
Non-Potable Bacterial Sample Report

W-3 Summit Lake Boat Ramp
Water Supply Name

Summit
County

Sample Tap

☐ AM ☒ PM

6-7-17
Date Collected

14:40
Time Collected

EnviroScience, 5070 Stow Rd
Street

Stow, OH 44224
City

Paul Anderson
Person Collecting Sample

(330)608 5424
Telephone Number

AGENCY COLLECTING SAMPLE:

FOR LAB USE ONLY

Sample Number C9140
Date Received JUN 0 7 2017
Time Received 1601
Time Analyzed 1742
Date Reported JUN 0 8 2017

Analyst: ___K. Smith ___X___S. Adams ___J. Moritz

LABORATORY FINDINGS

Check box for each test required.

☐	____ Fecal Coliform / 100 mL	☐	____ CBOD5
☐	____ Fecal Strep / 100 mL	☐	____ Total Suspended Solids
☒	60 E. Coli / 100 mL	☐	____ Ammonia (NH3 as N)
☐	____ Total Coliform/ 100 mL	☐	____ Oil and Grease
☐	____ CFU/1mL Heterotrophic Plate Count	☐	____ pH
☐	____ ____	☐	____ ____

☐ SAMPLE NOT ANALYZED ____

Adams Water Laboratory, Inc.
Non-Potable Bacterial Sample Report

W-5
Ohio Canal @ South Ave
Water Supply Name

Summit
County

Sample Tap

☐ AM ☒ PM

6-7-17
Date Collected

12:51
Time Collected

EnviroScience, 5076 Stow Rd
Street

Stow, OH 44224
City

Paul Anderson
Person Collecting Sample

(330)608-5424
Telephone Number

AGENCY COLLECTING SAMPLE:

FOR LAB USE ONLY

Sample Number C9141
Date Received JUN 0 7 2017
Time Received 1601
Time Analyzed 1746
Date Reported JUN 0 8 2017

Analyst: ___K. Smith ___X___S. Adams ___J. Moritz

LABORATORY FINDINGS

Check box for each test required.

☐	____ Fecal Coliform / 100 mL	☐	____ CBOD5
☐	____ Fecal Strep / 100 mL	☐	____ Total Suspended Solids
☒	80 E. Coli / 100 mL	☐	____ Ammonia (NH3 as N)
☐	____ Total Coliform/ 100 mL	☐	____ Oil and Grease
☐	____ CFU/1mL Heterotrophic Plate Count	☐	____ pH
☐	____ ____	☐	____ ____

☐ SAMPLE NOT ANALYZED ____

Adams Water Laboratory, Inc.
Non-Potable Bacterial Sample Report

W-4

Ohio Canal @ Kenmore Blvd
Water Supply Name

Summit
County

Sample Tap

☐ AM ☒ PM

6-7-17
Date Collected

13:25
Time Collected

EnviroScience, 5070 Stow Rd.
Street

Stow, OH 44224
City

Paul Anderson
Person Collecting Sample

(330)608-5424
Telephone Number

AGENCY COLLECTING SAMPLE:

FOR LAB USE ONLY

Sample Number C9142
Date Received JUN 0 7 2017
Time Received 1600
Time Analyzed 1750
Date Reported JUN 0 8 2017

Analyst:
___ K. Smith
X S. Adams
___ J. Moritz

LABORATORY FINDINGS

Check box for each test required.

☐	____ Fecal Coliform / 100 mL	☐	____ CBOD5
☐	____ Fecal Strep / 100 mL	☐	____ Total Suspended Solids
☒	228 E. Coli / 100 mL	☐	____ Ammonia (NH3 as N)
☐	____ Total Coliform/ 100 mL	☐	____ Oil and Grease
☐	____ CFU/1mL Heterotrophic Plate Count	☐	____ pH
☐	____ ____	☐	____ ____

☐ SAMPLE NOT ANALYZED ____

Adams Water Laboratory, Inc.
Non-Potable Bacterial Sample Report

W-1 Summit Lake L-1 Surface Dup A
Water Supply Name

Summit
County

Sample Tap

☐ AM ☒ PM

6-7-17
Date Collected

14:00
Time Collected

EnviroScience, 5070 Stow Rd
Street

Stow, OH 44224
City

Paul Anderson
Person Collecting Sample

(330)608-5424
Telephone Number

AGENCY COLLECTING SAMPLE:

FOR LAB USE ONLY

Sample Number C9143
Date Received JUN 0 7 2017
Time Received 1600
Time Analyzed 1754
Date Reported JUN 0 8 2017

Analyst:
___ K. Smith
X S. Adams
___ J. Moritz

LABORATORY FINDINGS

Check box for each test required.

☐	____ Fecal Coliform / 100 mL	☐	____ CBOD5
☐	____ Fecal Strep / 100 mL	☐	____ Total Suspended Solids
☒	16 E. Coli / 100 mL	☐	____ Ammonia (NH3 as N)
☐	____ Total Coliform/ 100 mL	☐	____ Oil and Grease
☐	____ CFU/1mL Heterotrophic Plate Count	☐	____ pH
☐	____ ____	☐	____ ____

☐ SAMPLE NOT ANALYZED ____

Adams Water Laboratory, Inc.
Non-Potable Bacterial Sample Report

W-2 Summit Lake L-1 Surf Dup B
Water Supply Name

Summit
County

Sample Tap

☐ AM ☒ PM

6-7-17
Date Collected

14:00
Time Collected

EnviroScience, 5070 Stow Rd
Street

Stow, OH 44224
City

Paul Anderson
Person Collecting Sample

(330) 608-5424
Telephone Number

AGENCY COLLECTING SAMPLE:

FOR LAB USE ONLY

Sample Number 9144
Date Received JUN 07 2017
Time Received 1601
Time Analyzed 1758
Date Reported JUN 08 2017

Analyst: ___K. Smith
X S. Adams
___J. Moritz

LABORATORY FINDINGS

Check box for each test required.

☐	____ Fecal Coliform / 100 mL	☐	____ CBOD5
☐	____ Fecal Strep / 100 mL	☐	____ Total Suspended Solids
☒	22 E. Coli / 100 mL	☐	____ Ammonia (NH3 as N)
☐	____ Total Coliform/ 100 mL	☐	____ Oil and Grease
☐	____ CFU/1mL Heterotrophic Plate Count	☐	____ pH
☐	____ ____	☐	____ ____

☐ SAMPLE NOT ANALYZED ____

Adams Water Laboratory, Inc.
Non-Potable Bacterial Sample Report

Summit Lake Boat Ramp
Water Supply Name

Summit
County

Sample Tap

☐ AM ☒ PM

6/29/17
Date Collected

1340
Time Collected

EnviroScience
Street 5070 Stow Rd

Stow, OH
City

Paul Anderson
Person Collecting Sample

3306085424
Telephone Number

AGENCY COLLECTING SAMPLE: EnviroScience

FOR LAB USE ONLY

Sample Number 9222
Date Received JUN 29 2017
Time Received 1429
Time Analyzed 1632
Date Reported JUL 01 2017

Analyst:
___ K. Smith
X S. Adams
___ J. Moritz

LABORATORY FINDINGS

Check box for each test required.

☐	____ Fecal Coliform / 100 mL	☐	____ CBOD5
☐	____ Fecal Strep / 100 mL	☐	____ Total Suspended Solids
☒	200 E. Coli / 100 mL	☐	____ Ammonia (NH3 as N)
☐	____ Total Coliform/ 100 mL	☐	____ Oil and Grease
☐	____ CFU/1mL Heterotrophic Plate Count	☐	____ pH
☐	____ ____	☐	____ ____

☐ SAMPLE NOT ANALYZED ____

Adams Water Laboratory, Inc.
Non-Potable Bacterial Sample Report

Ohio Canal @ Kenmore
Water Supply Name

Summit
County

Sample Tap

☐ AM ☒ PM

6/29/17
Date Collected

1355
Time Collected

EnviroScience
5070 Stow Rd
Street

stow, OH 44224
City

Paul Anderson
Person Collecting Sample

3306085424
Telephone Number

AGENCY COLLECTING SAMPLE: EnviroScience

FOR LAB USE ONLY

Sample Number 9223
Date Received JUN 29 2017
Time Received 1429
Time Analyzed 1639
Date Reported JUL 01 2017

Analyst:
___ K. Smith
X S. Adams
___ J. Moritz

LABORATORY FINDINGS

Check box for each test required.

☐	____ Fecal Coliform / 100 mL	☐	____ CBOD5
☐	____ Fecal Strep / 100 mL	☐	____ Total Suspended Solids
☒	520 E. Coli / 100 mL	☐	____ Ammonia (NH3 as N)
☐	____ Total Coliform/ 100 mL	☐	____ Oil and Grease
☐	____ CFU/1mL Heterotrophic Plate Count	☐	____ pH
☐	____ ____	☐	____ ____

☐ SAMPLE NOT ANALYZED ____

Adams Water Laboratory, Inc.
Non-Potable Bacterial Sample Report

Ohio Canal @ South Ave
~~Summit Lake~~
Water Supply Name

Summit
County

Sample Tap

☐ AM ☒ PM

6/29/17
Date Collected

1415
Time Collected

EnviroScience, 5070 Stow Rd
Street

Stow, OH 44224
City

Paul Anderson
Person Collecting Sample

330 608 5424
Telephone Number

AGENCY COLLECTING SAMPLE: EnviroScience

FOR LAB USE ONLY

Sample Number 9224
Date Received JUN 29 2017
Time Received 1429
Time Analyzed 1642
Date Reported JUL 01 2017

Analyst:
___ K. Smith
X S. Adams
___ J. Moritz

LABORATORY FINDINGS

Check box for each test required.

☐	____ Fecal Coliform / 100 mL	☐	____ CBOD5
☐	____ Fecal Strep / 100 mL	☐	____ Total Suspended Solids
☒	170 E. Coli / 100 mL	☐	____ Ammonia (NH3 as N)
☐	____ Total Coliform/ 100 mL	☐	____ Oil and Grease
☐	____ CFU/1mL Heterotrophic Plate Count	☐	____ pH
☐	____ ____	☐	____ ____

☐ SAMPLE NOT ANALYZED ____

Adams Water Laboratory, Inc.
Non-Potable Bacterial Sample Report

Ohio Canal @ Kenmore
Water Supply Name

Summit
County

Sample Tap

☐ AM ☒ PM

7-5-17
Date Collected

12:10
Time Collected

EnviroScience, 5070 Stow Rd
Street

Stow, OH 44224
City

Paul Anderson
Person Collecting Sample

(330) 608-5424
Telephone Number

AGENCY COLLECTING SAMPLE: EnviroScience

FOR LAB USE ONLY

Sample Number: 9231
Date Received: JUL 0 5 2017
Time Received: 1423
Time Analyzed: 1439
Date Reported: JUL 0 6 2017

Analyst:
___ K. Smith
X S. Adams
___ J. Moritz

LABORATORY FINDINGS

Check box for each test required.

☐	____ Fecal Coliform / 100 mL	☐	____ CBOD5
☐	____ Fecal Strep / 100 mL	☐	____ Total Suspended Solids
☒	121 E. Coli / 100 mL	☐	____ Ammonia (NH3 as N)
☐	____ Total Coliform/ 100 mL	☐	____ Oil and Grease
☐	____ CFU/1mL Heterotrophic Plate Count	☐	____ pH
☐	____ ____	☐	____ ____

☐ SAMPLE NOT ANALYZED ____

Adams Water Laboratory, Inc.
Non-Potable Bacterial Sample Report

Ohio Canal @ South Ave
Water Supply Name

Summit
County

Sample Tap

☐ AM ☒ PM

7-5-17
Date Collected

12:20
Time Collected

EnviroScience, 5070 Stow Rd
Street

Stow, OH 44224
City

Paul Anderson
Person Collecting Sample

(330) 608-5424
Telephone Number

AGENCY COLLECTING SAMPLE: EnviroScience

FOR LAB USE ONLY

Sample Number: 9232
Date Received: JUL 0 5 2017
Time Received: 1444 → 1423
Time Analyzed:
Date Reported: JUL 0 6 2017

Analyst:
___ K. Smith
X S. Adams
___ J. Moritz

LABORATORY FINDINGS

Check box for each test required.

☐	____ Fecal Coliform / 100 mL	☐	____ CBOD5
☐	____ Fecal Strep / 100 mL	☐	____ Total Suspended Solids
☒	49 E. Coli / 100 mL	☐	____ Ammonia (NH3 as N)
☐	____ Total Coliform/ 100 mL	☐	____ Oil and Grease
☐	____ CFU/1mL Heterotrophic Plate Count	☐	____ pH
☐	____ ____	☐	____ ____

☐ SAMPLE NOT ANALYZED ____

Adams Water Laboratory, Inc.
Non-Potable Bacterial Sample Report

Summit Lake Boat Ramp
Water Supply Name

Summit
County

Sample Tap

☒ AM ☐ PM

7-5-17
Date Collected

11:55
Time Collected

EnviroScience, 5070 Stow Rd
Street

Stow, OH 44224
City

Paul Anderson
Person Collecting Sample

(330)608 5424
Telephone Number

AGENCY COLLECTING SAMPLE: EnviroScience

FOR LAB USE ONLY

Sample Number: 9233
Date Received: JUL 0 5 2017
Time Received: 1449
Time Analyzed: 1423
Date Reported: JUL 0 6 2017

Analyst: ___K. Smith ___X___S. Adams ___J. Moritz

LABORATORY FINDINGS

Check box for each test required.

☐	____ Fecal Coliform / 100 mL	☐	____ CBOD5
☐	____ Fecal Strep / 100 mL	☐	____ Total Suspended Solids
☒	2 E. Coli / 100 mL	☐	____ Ammonia (NH3 as N)
☐	____ Total Coliform/ 100 mL	☐	____ Oil and Grease
☐	____ CFU/1mL Heterotrophic Plate Count	☐	____ pH
☐	____ ____	☐	____ ____

☐ SAMPLE NOT ANALYZED ____

Adams Water Laboratory, Inc.
Non-Potable Bacterial Sample Report

FOR LAB USE ONLY
Sample Number: 9249
Date Received: JUL 14 2017
Time Received: 1123
Time Analyzed: 1503
Date Reported: JUL 15 2017
Analyst: ___K. Smith ___S. Adams ___J. Moritz

Summit Lake Boat Ramp
Water Supply Name

Summit
County

Sample Tap

☒ AM ☐ PM

7-14-17
Date Collected

0815
Time Collected

EnviroScience, 5070 Stow Rd
Street

Stow, OH 44224
City

Paul Anderson
Person Collecting Sample

(330)6085424
Telephone Number

AGENCY COLLECTING SAMPLE: EnviroScience

LABORATORY FINDINGS

Check box for each test required.

☐	____ Fecal Coliform / 100 mL	☐	____ CBOD5
☐	____ Fecal Strep / 100 mL	☐	____ Total Suspended Solids
☒	44.1 E. Coli / 100 mL	☐	____ Ammonia (NH3 as N)
☐	____ Total Coliform/ 100 mL	☐	____ Oil and Grease
☐	____ CFU/1mL Heterotrophic Plate Count	☐	____ pH
☐	____ ____	☐	____ ____

☐ SAMPLE NOT ANALYZED ____

Adams Water Laboratory, Inc.
Non-Potable Bacterial Sample Report

FOR LAB USE ONLY
Sample Number: 9250
Date Received: JUL 14 2017
Time Received: 1123
Time Analyzed: 1508
Date Reported: JUL 15 2017
Analyst: ___K. Smith ___S. Adams ___J. Moritz

Ohio Canal @ Kenmore
Water Supply Name

Summit
County

Sample Tap

☒ AM ☐ PM

7-14-17
Date Collected

0830
Time Collected

EnviroScience, 5070 Stow Rd
Street

Stow, OH 44224
City

Paul Anderson
Person Collecting Sample

(330)6085424
Telephone Number

AGENCY COLLECTING SAMPLE: EnviroScience

LABORATORY FINDINGS

Check box for each test required.

☐	____ Fecal Coliform / 100 mL	☐	____ CBOD5
☐	____ Fecal Strep / 100 mL	☐	____ Total Suspended Solids
☒	365 E. Coli / 100 mL	☐	____ Ammonia (NH3 as N)
☐	____ Total Coliform/ 100 mL	☐	____ Oil and Grease
☐	____ CFU/1mL Heterotrophic Plate Count	☐	____ pH
☐	____ ____	☐	____ ____

☐ SAMPLE NOT ANALYZED ____

Adams Water Laboratory, Inc.
Non-Potable Bacterial Sample Report

Ohio Canal @ South Ave
Water Supply Name

Summit
County

Sample Tap

☒ AM ☐ PM

7-14-17
Date Collected

0850
Time Collected

Enviro Science, 5070 Stow Rd
Street

Stow, OH 44224
City

Paul Anderson
Person Collecting Sample

(330)608 5424
Telephone Number

AGENCY COLLECTING SAMPLE: Enviro Science

FOR LAB USE ONLY

Sample Number: 9251
Date Received: ~~JUL 14 2017~~
Time Received: 1123
Time Analyzed: 1513
Date Reported: JUL 15 2017

Analyst:
___K. Smith
X S. Adams
___J. Moritz

LABORATORY FINDINGS

Check box for each test required.

☐	____ Fecal Coliform / 100 mL	☐	____ CBOD5
☐	____ Fecal Strep / 100 mL	☐	____ Total Suspended Solids
☒	110 E. Coli / 100 mL	☐	____ Ammonia (NH3 as N)
☐	____ Total Coliform/ 100 mL	☐	____ Oil and Grease
☐	____ CFU/1mL Heterotrophic Plate Count	☐	____ pH
☐	____ ____	☐	____ ____

☐ SAMPLE NOT ANALYZED ____

Adams Water Laboratory, Inc. 912 East Tallmadge Ave., Akron, OH 44310-3514 (330) 633-3991

Adams Water Laboratory, Inc.
Non-Potable Bacterial Sample Report

W-1, Summit Lake L-1 Surf.
Water Supply Name

Summit
County

Sample Tap

☐ AM ☒ PM

7/19/17
Date Collected

13:15
Time Collected

5070 Stow Rd
Street

Stow, OH 44224
City

Paul Anderson
Person Collecting Sample

330 608-5424
Telephone Number

AGENCY COLLECTING SAMPLE: EnviroScience

FOR LAB USE ONLY
Sample Number C9264
Date Received JUL 19 2017
Time Received 1518
Time Analyzed 1619
Date Reported JUL 22 2017
Analyst: ___K. Smith ☒ S. Adams ___J. Moritz

LABORATORY FINDINGS

Check box for each test required.

☐	_____ Fecal Coliform / 100 mL	☐	_____ CBOD5
☐	_____ Fecal Strep / 100 mL	☐	_____ Total Suspended Solids
☒	7 E. Coli / 100 mL	☐	_____ Ammonia (NH3 as N)
☐	_____ Total Coliform/ 100 mL	☐	_____ Oil and Grease
☐	_____ CFU/1mL Heterotrophic Plate Count	☐	_____ pH
☐	_____ _____	☐	_____ _____

☐ SAMPLE NOT ANALYZED _____

Adams Water Laboratory, Inc.
Non-Potable Bacterial Sample Report

W-4 Ohio Canal @ South Ave
Water Supply Name

Summit
County

Sample Tap

☐ AM ☒ PM

7-19-17
Date Collected

13:55
Time Collected

5070 Stow Rd
Street

Stow, OH 44224
City

Paul Anderson
Person Collecting Sample

3306085424
Telephone Number

AGENCY COLLECTING SAMPLE: EnviroScience

FOR LAB USE ONLY
Sample Number C9265
Date Received JUL 19 2017
Time Received 1518
Time Analyzed 1624
Date Reported JUL 22 2017
Analyst: ___K. Smith ☒ S. Adams ___J. Moritz

LABORATORY FINDINGS

Check box for each test required.

☐	_____ Fecal Coliform / 100 mL	☐	_____ CBOD5
☐	_____ Fecal Strep / 100 mL	☐	_____ Total Suspended Solids
☒	79 E. Coli / 100 mL	☐	_____ Ammonia (NH3 as N)
☐	_____ Total Coliform/ 100 mL	☐	_____ Oil and Grease
☐	_____ CFU/1mL Heterotrophic Plate Count	☐	_____ pH
☐	_____ _____	☐	_____ _____

☐ SAMPLE NOT ANALYZED _____

Adams Water Laboratory, Inc.
Non-Potable Bacterial Sample Report

W-5 Summit Lake Boat Ramp
Water Supply Name

Summit
County

Sample Tap

☐ AM ☒ PM

7-19-17
Date Collected

14:30
Time Collected

5070 Stow Rd
Street

Stow, OH 44224
City

Paul Anderson
Person Collecting Sample

(330) 608-5424
Telephone Number

AGENCY COLLECTING SAMPLE: EnviroScience

FOR LAB USE ONLY

Sample Number 9266
Date Received JUL 19 2017
Time Received 1578
Time Analyzed 1629
Date Reported JUL 22 2017

Analyst: ___K. Smith ☒ S. Adams ___J. Moritz

LABORATORY FINDINGS

Check box for each test required.

☐	____ Fecal Coliform / 100 mL	☐	____ CBOD5
☐	____ Fecal Strep / 100 mL	☐	____ Total Suspended Solids
☒	19 E. Coli / 100 mL	☐	____ Ammonia (NH3 as N)
☐	____ Total Coliform/ 100 mL	☐	____ Oil and Grease
☐	____ CFU/1mL Heterotrophic Plate Count	☐	____ pH
☐	____ ____	☐	____ ____

☐ SAMPLE NOT ANALYZED ____

Adams Water Laboratory, Inc.
Non-Potable Bacterial Sample Report

W-3 Ohio Canal @ Kemore
Water Supply Name

Summit
County

Sample Tap

☒ AM ☐ PM

7/19/17
Date Collected

11:45
Time Collected

5070 Stow Rd
Street

Stow, OH 44224
City

Paul Anderson
Person Collecting Sample

330 608 5424
Telephone Number

AGENCY COLLECTING SAMPLE: EnviroScience

FOR LAB USE ONLY

Sample Number 9267
Date Received JUL 19 2017
Time Received 1578
Time Analyzed 1634
Date Reported JUL 22 2017

Analyst: ___K. Smith ☒ S. Adams ___J. Moritz

LABORATORY FINDINGS

Check box for each test required.

☐	____ Fecal Coliform / 100 mL	☐	____ CBOD5
☐	____ Fecal Strep / 100 mL	☐	____ Total Suspended Solids
☒	28 E. Coli / 100 mL	☐	____ Ammonia (NH3 as N)
☐	____ Total Coliform/ 100 mL	☐	____ Oil and Grease
☐	____ CFU/1mL Heterotrophic Plate Count	☐	____ pH
☐	____ ____	☐	____ ____

☐ SAMPLE NOT ANALYZED ____

Page Intentionally Blank

Appendix O. Historical Results for Trophic State Index Parameters in Summit Lake

Page Intentionally Blank

Appendix O. Historical Results for Trophic State Index Parameters in Summit Lake.

Station	Station Name	Sample Date	CH-a (ug/L)	Secchi Depth (m)	TP (ug/L)	TSI CH-a	TSI SD	TSI TP	Source
USGS	USGS SUMMIT LAKE L-1	5/3/1976	--	0.85	70.0	--	62.3	65.4	Tobin and Youger, 1979
USGS	USGS SUMMIT LAKE L-1	8/19/1976		0.64	90.0		66.4	69.1	Tobin and Youger, 1979
F01A14	SUMMIT LAKE L-1	8/5/1981	36.8	0.82	70.0	65.9	62.9	65.4	OEPA, 1982 305(B)
F01A14	SUMMIT LAKE L-1	4/24/1986		0.65	80.0		66.2	67.4	Ohio EPA, unpublished
F01A14	SUMMIT LAKE L-1	7/30/1986		1.00	70.0		60.0	65.4	Ohio EPA, unpublished
F01A14	SUMMIT LAKE L-1	8/14/1986	--	0.60	50.0	--	67.4	60.6	Ohio EPA, unpublished
301920	SUMMIT LAKE L-2	4/24/1986	--	0.65	80.0	--	66.2	67.4	Ohio EPA, unpublished
301920	SUMMIT LAKE L-2	7/30/1986	--	1.00	50.0	--	60.0	60.6	Ohio EPA, unpublished
301920	SUMMIT LAKE L-2	8/14/1986		0.60			67.4		Ohio EPA, unpublished
301921	SUMMIT LAKE L-3	8/14/1986		0.80	80.0		63.2	67.4	Ohio EPA, unpublished
301921	SUMMIT LAKE L-3	7/30/1986		0.90	80.0		61.5	67.4	Ohio EPA, unpublished
301921	SUMMIT LAKE L-3	4/24/1986	--	0.65	50.0	--	66.2	60.6	Ohio EPA, unpublished
F01A14	SUMMIT LAKE L-1	5/9/1996	31.0	1.10	--	64.3	58.6	--	OEPA, 1998
F01A14	SUMMIT LAKE L-1	7/24/1996	32.4	0.77	35.0	64.7	63.8	55.4	OEPA, 1998
F01A14	SUMMIT LAKE L-1	8/20/1996	36.8	0.81	38.0	65.9	63.0	56.6	OEPA, 1998
F01A14	SUMMIT LAKE L-1 Dup - A	5/24/2012	22.2	1.00	35.0	61.0	60.0	55.4	Ohio EPA, unpublished
F01A14	SUMMIT LAKE L-1 Dup - B	5/24/2012	24.0	1.00	33.0	61.7	60.0	54.6	Ohio EPA, unpublished
F01A14	SUMMIT LAKE L-1	6/18/2012	24.7	1.10	56.0	62.0	58.6	62.2	Ohio EPA, unpublished
F01A14	SUMMIT LAKE L-1	7/31/2012	43.9	0.75	26.0	67.7	64.2	51.2	Ohio EPA, unpublished
F01A14	SUMMIT LAKE L-1	8/14/2012	23.4	1.80	27.0	61.5	51.5	51.7	Ohio EPA, unpublished
F01A14	SUMMIT LAKE L-1	9/13/2012	22.5	1.20	26.0	61.1	57.4	51.2	Ohio EPA, unpublished
F01A14	SUMMIT LAKE L-1	5/30/2013	51.6	0.72	33.0	69.3	64.7	54.6	Ohio EPA, unpublished
F01A14	SUMMIT LAKE L-1	6/17/2013	37.5	0.80	237.0	66.1	63.2	83.0	Ohio EPA, unpublished
F01A14	SUMMIT LAKE L-1	7/23/2013	51.7	--	35.0	69.3	--	55.4	Ohio EPA, unpublished
F01A14	SUMMIT LAKE L-1	8/20/2013	36.3	--	10.0	65.8	--	37.4	Ohio EPA, unpublished
F01A14	SUMMIT LAKE L-1	9/24/2013	40.1	1.10	13.0	66.8	58.6	41.2	Ohio EPA, unpublished
NLA12_OH-137	NLA Summit Lake X_Site	8/2/2012	31.3	0.73	41.0	64.4	64.6	--	USEPA, 2012 unpublished
F01A14	SUMMIT LAKE L-1	6/7/2017	37.6	1.25	20.5	66.2	56.8	47.7	EnviroScience, Inc.
F01A14	SUMMIT LAKE L-1	7/19/2017	29.0	1.09	41.0	63.6	58.8	57.7	EnviroScience, Inc.

Page Intentionally Blank

Appendix P. Photographic Logs of Sediment Sample Collection Activities

Page Intentionally Blank

Selected Site Grid A13, Sample SS3

Selected Site Grid A13, Sample SS3

Selected Site Grid A27, Sample SS2

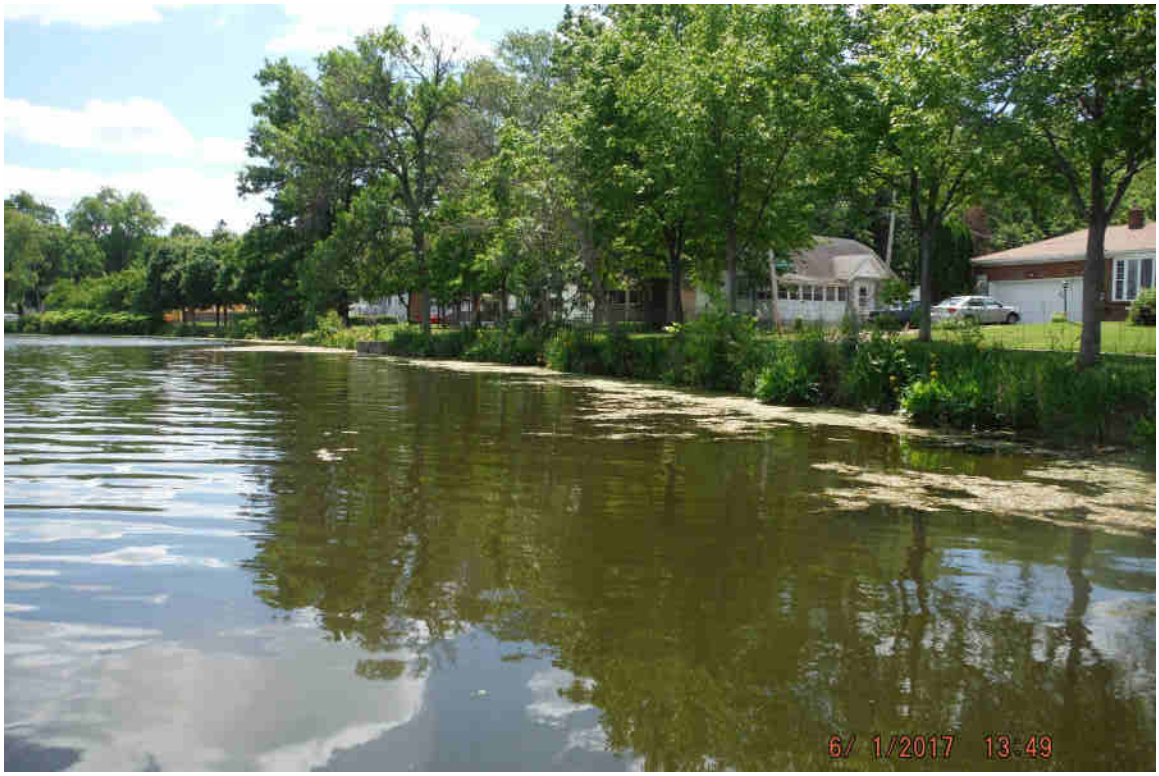
Selected Site Grid A27, Sample SS2

Selected Site Grid B12, Sample SS7

Selected Site Grid B12, Sample SS7

Selected Site Grid B65, Sample SS5

Selected Site Grid B65, Sample SS5



Selected Site Grid B65 Replicate, Sample SS6

Selected Site Grid B65 Replicate, Sample SS6

Selected Site Grid C17, Sample SS9

Selected Site Grid C17, Sample SS9

Selected Site Grid C52, Sample SS10

Selected Site Grid C52, Sample SS10

Selected Site Grid C52, Sample SS10

Selected Site Grid C71, Sample SS11

Selected Site Grid C71, Sample SS11

Selected Site Grid D6, Sample SS12

Selected Site Grid D6, Sample SS12

Selected Site Grid D6, Sample SS12

Selected Site Grid D77, Sample SS4

Selected Site Grid D77, Sample SS4

Selected Site Grid D80, Sample SS13

Selected Site Grid D80, Sample SS13

Targeted Site Grid B37, Sample TS1

Targeted Site Grid B37, Sample TS1

Targeted Site Grid B51, Sample TS3

Targeted Site Grid B51, Sample TS3

Targeted Site Grid C8, Sample TS2

Targeted Site Grid C8, Sample TS2

Targeted Site Grid D48, Sample TS7

Targeted Site Grid D48, Sample TS7

Targeted Site Grid D27, Sample TS8

Targeted Site Grid D27, Sample TS8

Water Quality Site W-5 (200119)
Targeted Site Canal_1 (South Ave.), Sample TS9

Water Quality Site W-5 (200119)
Targeted Site Canal_1 (South Ave.), Sample TS9

Water Quality Site W-4 (R06P13)
Targeted Site Canal_2 (Kenmore Blvd.), Sample TS5

Water Quality Site W-4 (R06P13)
Targeted Site Canal_2 (Kenmore Blvd.), Sample TS5

Appendix Q. Summit Lake Sediment Results for Percent Solids, Total Organic Carbon, and Grain Size

Page Intentionally Blank

EnviroScience

Appendix Q. Summit Lake Sediment Results for Percent Solids, Total Organic Carbon, and Grain Size.

Station Type	Area	Location	Sample Date	Solids (Percent)	TOC (mg/kg)	Fraction Organic Carbon (foc)	Percent Gravel (>2 - 19.2* mm)	*Coarse Sand (0.5 - 2.0 mm)*	*Medium Sand (0.25 - 0.5 mm)*	*Fine Sand (62.5 µm - 250 µm)*	Percent Sand (62.5 µm - 2 mm)	Percent Silt (3.9 - 62.5 µm)	Percent Clay (<3.9 µm)
Selected Sites	A	Grid 13	6/1/2017	26.5	140,000	0.140	12.1	*7.1*	*3.9*	*13.3*	24.3	46.3	17.3
		Grid 27	6/1/2017	40.4	73,000	0.073	7.6	*5.1*	*16.2*	*33.6*	54.9	29	8.5
		Grid 50	6/1/2017	30.1	45,000	0.045	0	*1.3*	*5.8*	*11.6*	18.7	68.3	13
	B	Grid 5	6/1/2017	58.4	4,800	0.005	10.8	*2.7*	*6.9*	*49.9*	59.5	17.7	12
		Grid 12	6/1/2017	22.1	90,000	0.090	0	*4.3*	*8.1*	*17.4*	29.8	55.3	14.9
		Grid 65	6/1/2017	28.4	96,000	0.096	43	*6.6*	*7*	*18.3*	31.9	15.4	9.8
		Grid 65 (Rep)	6/1/2017	28.3	120,000	0.120	26.4	*6.3*	*14.8*	*10.8*	31.9	28.6	13.1
	C	Grid 17	6/1/2017	19.0	210,000	0.210	0	*21.9*	*8.4*	*14.9*	45.2	39.9	14.9
		Grid 52 (Dup A)	6/1/2017	33.1	250,000	0.250	13.4	*17.3*	*14.7*	*31.4*	63.4	20.7	2.5
		Grid 52 (Dup B)	6/1/2017	35.4	250,000	0.250	12.4	*15.1*	*14*	*30.9*	60	25	2.6
		Grid 75	6/1/2017	18.7	170,000	0.170	0	*15*	*5.8*	*3.8*	24.6	28	47.4
	D	Grid 6	6/7/2017	47.4	50,000	0.050	2.4	*3.5*	*19.7*	*41.8*	65	20.9	11.7
		Grid 77	6/1/2017	41.3	230,000	0.230	5.2	*1.8*	*7.9*	*17.6*	27.3	56.9	10.6
		Grid 80	6/7/2017	23.2	600,000	0.600	4	*0.8*	*5.4*	*15.9*	22.1	63.2	10.7
Targeted Sites	B	Grid 37	5/30/2017	68.1	50,000	0.050	9.2	*9.5*	*21.6*	*56*	87.1	1.9	1.9
		Grid 51	5/30/2017	64.3	62,000	0.062	16.7	*20.9*	*27.9*	*29.4*	78.2	4.6	0.5
		Grid 61	5/30/2017	38.6	140,000	0.140	0	*14.9*	*10.8*	*25.4*	51.1	35.6	13.3
	C	Grid 8 (Dup A)	5/30/2017	28.5	120,000	0.120	0	*10.5*	*9.3*	*31.3*	51.1	39.9	9
		Grid 8 (Dup B)	5/30/2017	29.6	120,000	0.120	0	*13.1*	*9.1*	*31.6*	53.8	37.9	8.3
	D	Grid 27	5/30/2017	58.3	120,000	0.120	9.2	*3.8*	*8.8*	*48.2*	60.8	25	5
		Grid 48	5/30/2017	63.8	64,000	0.064	11.9	*14.9*	*19.1*	*41.1*	75.1	11.2	1.8
		Grid 55	5/30/2017	73.0	27,000	0.027	16.3	*12.1*	*21.5*	*32.9*	66.5	15.7	1.5
	CANAL	Canal 1	5/30/2017	64.5	17,000	0.017	3.1	*4.1*	*17.6*	*54.6*	76.3	14.4	6.2
		Canal 2	5/30/2017	35.8	150,000	0.150	3	*2.6*	*4.6*	*22.8*	30	56.4	10.6

Page Intentionally Blank

Appendix R. Sediment Metals Results for Summit Lake, 2017

Page Intentionally Blank

Appendix R. Sediment Metals Results for Summit Lake, 2017.

Selected Sites														
	Area	A			B				C			D		
Parameter	CAS Number	GRID A13	GRID A27	GRID A50	GRID B5	GRID B12	GRID B65 Dup A	GRID B65 Dup B	GRID C17	GRID C52	GRID C75	GRID D6	GRID D77	GRID D80
Aluminum	7429-90-5	8,700	4,700	7,500	4,400	1,900	6,600	6,200	4,800	3,400	16,000	3,500	8,600	8,400
Arsenic	7440-38-2	10	21	38	9.6	13	18	14	26	14	15	27	22	41
Barium	7440-39-3	150	100	180	39	290	110	110	200	74	180	110	290	250
Cadmium	7440-43-9	0.58 J	1.8	3.8	0.22 J	0.36 J	0.63	0.39 J	2	0.64	0.28 J	0.59	4.3	5.5
Calcium	7440-70-2	42,000	20,000	39,000 F1	20,000	260,000	48,000	32,000	78,000	56,000	22,000	84,000	28,000	47,000
Chromium	7440-47-3	16 B	57 B	64 B	10 B	11 B	16 B	11 B	42 B	9.7 B	23 B	9.6 B	94 B	110 B
Copper	7440-50-8	30 B	85 B	130 B	24 B	18 B	65 B	26 B	86 B	27 B	31 B	24 B	180 B	210 B
Iron	7439-89-6	13,000 B	18,000 B	30,000 B	15,000 B	10,000 B	23,000 B	29,000 B	22,000 B	11,000 B	25,000 B	29,000	28,000 B	32,000
Lead	7439-92-1	40 B	160 B	310 B	30 B	30 B	140 B	98 B	330 B	110 B	41 B	120	270 B	340
Magnesium	7439-95-4	2,600 B	2,400 B	8,100 B	1,700 B	4,700 B	2,200 B	2,000 B	2,700 B	2,100 B	3,100 B	2,900 B	3,900 B	5,100 B
Manganese	7439-96-5	390 B	240 B	470 B	240 B	1,200 B	600 B	770 B	660 B	500 B	310 B	440 B	320 B	510 B
Mercury	7439-97-6	0.079 J	0.38	0.8	0.028 J	<0.47	0.52	0.24 J	0.37 J	0.17 J	<0.53	0.28 F1	1.4	0.99
Nickel	7440-02-0	21	22	41	15	10	23	19	23	12	35	15	42	40
Potassium	7440-09-7	640 J	460 J	670 J	550 J	260 J	650 J	600 J	580 J	310 J	1200 J	400 J B	760 J	870 J B
Selenium	7782-49-2	<1.5	0.7 J	1.4 J	<0.57	<1.8	<1.2	<1.6	<2.5	<1.2	<2.6	1.3	1.7	2.2
Sodium	7440-23-5	510 J	350 J	410 J	150 J	530 J	520 J	500 J	670 J	410 J	660 J	210 J B	370 J	580 J B
Strontium	7440-24-6	91 B	45 B	78 B	32 B	220 B	88 B	53 B	100 B	110 B	47 B	84 B	81 B	120 B
Zinc	7440-66-6	180 B	660 B	1100 F1 B	100 B	150 B	560 B	330 B	930 B	240 B	150 B	390	2,400 B	2,900

Key to Qualifiers:

J: Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit and the concentration is an approximate value.

B: Compound was also found in the laboratory blank sample.

F1: MS and/or MSD Recovery is outside acceptance limits.

F2: MS/MSD Relative Percent Difference exceeds control limits.

Appendix R. Sediment Metals Results for Summit Lake, 2017.

Targeted Sites											
	Area	B			C		D			CANAL	
Parameter	CAS Number	GRID B37	GRID B51	GRID B61	GRID C8 Dup A	GRID C8 Dup B	GRID D27	GRID D48	GRID D55	CANAL_1	CANAL_2
Aluminum	7429-90-5	1,900	3,800	8,300	6,200	6,400	5,300	3,500	2,300	2,500	8,200
Arsenic	7440-38-2	7.5	19	22	17	16	13	12	4.9	11	35
Barium	7440-39-3	38	40	120	96	100	88	63	34 F2	23	240
Cadmium	7440-43-9	0.42	0.28	1.7	1.2	1.1	0.62	0.67	0.31 F2	0.34	2.3
Calcium	7440-70-2	4,700 B	20,000 B	37,000 B	40,000 B	42,000 B	19,000	25,000	15,000 F1	10,000	38,000 B
Chromium	7440-47-3	4.7 B	8.3 B	65 B	44 B	44 B	15 B	14 B	7.3 F2 B	9.5 B	56 B
Copper	7440-50-8	29 B	13 B	90 B	62 B	59 B	84 B	22 B	24 F2 B	18 B	130 B
Iron	7439-89-6	9,100	23,000	26,000	20,000	21,000	19,000	17,000	13,000	7,800	28,000
Lead	7439-92-1	70 B F1 F2	35 B	230 B	200 B	210 B	140 B	140 B	60 F1 B	48 B	270 B
Magnesium	7439-95-4	820 B	5,300 B	3,100 B	6,300 B	6,700 B	2,200 B	10,000 B	5,300 F1 B	1,400 B	9,400 B
Manganese	7439-96-5	140 B	430 B	360 B	470 B	490 B	360	200	180 F1 F2	150	640 B
Mercury	7439-97-6	0.25 F1 F2	<0.16	0.78	0.084 J	0.095 J	0.15 J	0.034 J	0.062 J	0.07 J	0.35
Nickel	7440-02-0	6.9 B	13 B	25 B	24 B	25 B	13 B	12 B	7.3 F2 B	8.1 B	40 B
Potassium	7440-09-7	180 J B	420 J B	780 J B	780 J B	800 J B	460 J B	340 J B	250 J B	300 J B	710 J B
Selenium	7782-49-2	0.88	<0.64	1.9	<1.7	0.92 J	0.99	1	0.82	0.57 J	1.6
Sodium	7440-23-5	140 J B	190 J B	400 J B	740 J B	700 J B	240 J B	160 J B	120 J B	130 J B	480 J B
Strontium	7440-24-6	15 B	32 B	73 B	69 B	69 B	56 B	32 B	21 B	16 B	95 B
Zinc	7440-66-6	400 B F1 F2	97 B	1100 B	500 B	490 B	220	220	120 F1 F2	140	1,300 B

Key to Qualifiers:

J: Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit and the concentration is an approximate value.

B: Compound was also found in the laboratory blank sample.

F1: MS and/or MSD Recovery is outside acceptance limits.

F2: MS/MSD Relative Percent Difference exceeds control limits.

Appendix S. Results for Acid Volatile Sulfides and Simultaneously Extracted Metals for Selected Site Sediments in Summit Lake

Page Intentionally Blank

Appendix S. Results for Acid Volatile Sulfides and Simultaneously Extracted Metals for Selected Site Sediments inSummit Lake.

	Analyte	Percent Solids	Acid Volatile Sulfides (AVS)	Cadmium SEM	Copper SEM	Lead SEM	Mercury SEM	Nickel SEM	Zinc SEM
	CAS Number	n/a	18496-25-8	7440-43-9	7440-50-8	7439-92-1	7439-97-6	7440-02-0	7440-66-6
Location	Sample ID	Percent	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g
GRID A13	SS3	26.4%	580	0.2	2	15	<0.019	2.1	78
GRID A27	SS2	40.5%	2700	0.82	5.6	51	<0.012	4.9	240
GRID A50	SS1	29.8%	2400	0.75	12	84	<0.017	7.2	290
GRID B5	SS8	61.6%	310	0.13	6.1	15	<0.008	3.7	53
GRID B12	SS7	30.9%	690	0.11	0.29	8.8	<0.016	0.9	51
GRID B65	SS5	29.5%	1200	0.22	1.9	73	<0.017	3.6	210
GRID B65	SS6	12.7%	330	0.044	0.34	15	<0.039	1.1	15
GRID C17	SS9	19.0%	1800	0.38	4.6	69	<0.023	3	180
GRID C52 (Dup A)	SS10	8.7%	71	0.035	0.1	0.59	<0.057	0.41	3.6
GRID C52 (Dup B)	SS10	8.7%	210	0.032	0.36	0.79	<0.058	0.39	4.6
GRID C75	SS11	19.3%	500	0.06	1.9	7.5	<0.026	2.9	26
GRID D6	SS12	36.2%	21	0.057	0.54	1.5	<0.014	0.98	9.6
GRID D77	SS4	42.8%	3600	1.4	15	93	<0.017	8.7	760
GRID D80	SS13	18.6%	910	0.57	3.9	38	<0.027	1.9	230

Page Intentionally Blank

Appendix T. Results for Volatile Organic Compounds for Selected Site Sediments in Summit Lake

Page Intentionally Blank

Appendix T. Results for Volatile Organic Compounds for Selected Site Sediments in Summit Lake.

			Area A			Area B				Area C			Area D		
Parameter	CAS Number	Units	GRID A13	GRID A27	GRID A50	GRID B5	GRID B12	GRID B65 Dup A	GRID B65 Dup B	GRID C17	GRID C52	GRID C75	GRID D6	GRID D77	GRID D80
1,1,1-Trichloroethane	71-55-6	µg/kg	<16	<12	<17	<7.3	<19	<16	<17	<26	<14	<23	<10	<10	<42
1,1,2,2-Tetrachloroethane	79-34-5	µg/kg	<16	<99	<17	<7.3	<19	<16	<17	<210	<120 F1 F2	<23	<10	<930	<100
1,1,2-Trichloroethane	79-00-5	µg/kg	<16	<12	<17	<7.3	<19	<16	<17	<26	<14	<23	<10	<10	<100
1,1-Dichloroethane	75-34-3	µg/kg	<16	<12	<17	<7.3	<19	<16	<17	<26	<14	<23	<10	<10	<42
1,1-Dichloroethene	75-35-4	µg/kg	<16	<12	<17	<7.3	<19	<16	<17	<26	<14	<23	<10	<10	<42
1,2,4-Trichlorobenzene	120-82-1	µg/kg	<16	<99	<17	<7.3	<19	<16	<17	<210	<120	<23	<10	<930	<100
1,2-Dibromo-3-Chloropropane	96-12-8	µg/kg	<32	<200	<33	<15	<39	<33	<34	<420	<250	<47	<20	<1900	<200
1,2-Dichlorobenzene	95-50-1	µg/kg	<16	<99	<17	<7.3	<19	<16	<17	<210	<120	<23	<10	<930	<100
1,2-Dichloroethane	107-06-2	µg/kg	<16	<12	<17	<7.3	<19	<16	<17	<26	<14	<23	<10	<10	<42
1,2-Dichloropropane	78-87-5	µg/kg	<16	<12	<17	<7.3	<19	<16	<17	<26	<14	<23	<10	<10	<42
1,3-Dichlorobenzene	541-73-1	µg/kg	<16	<99	<17	<7.3	<19	<16	<17	<210	<120	<23	<10	<930	<100
1,4-Dichlorobenzene	106-46-7	µg/kg	<16	<99	<17	<7.3	<19	<16	<17	<210	<120	<23	<10	<930	<100
2-Butanone (MEK)	78-93-3	µg/kg	16 J	43 J	22 J	<29	<77	11 J	16 J	100	18 J	82 J	8.2 J	36 J	68 J
2-Hexanone	591-78-6	µg/kg	<65	<47	<66	<29	<77	<65	<68	<100	<56	<94	<40	<42	<400
4-Methyl-2-pentanone (MIBK)	108-10-1	µg/kg	<65	<47	<66	<29	<77	<65	<68	<100	<56	<94	<40	<42	<170
Acetone	67-64-1	µg/kg	42 J	170	97	<29	<77	46 J	68	400	94	450	32 J	170	170
Benzene	71-43-2	µg/kg	<16	<12	<17	<7.3	<19	<16	<17	<26	<14	<23	<10	<10	<42
Bromoform	75-25-2	µg/kg	<16	<12	<17	<7.3	<19	<16	<17	<26	<14	<23	<10	<10	<100
Bromomethane	74-83-9	µg/kg	<32	<24	<33	<15	<39	<33	<34	<52	<28	<47	<10	<21	<42
Carbon disulfide	75-15-0	µg/kg	1.8 J	2.7 J	1 J	<7.3	1.6 J	8.9 J	9.4 J	5 J	6.8 J	5.3 J	8.4 J	2.6 J	3.3 J
Carbon tetrachloride	56-23-5	µg/kg	<16	<12	<17	<7.3	<19	<16	<17	<26	<14	<23	<10	<10	<42
Chlorobenzene	108-90-7	µg/kg	<16	<12	<17	<7.3	<19	<16	<17	<26	<14	<23	<10	1.5 J	<100
Chlorodibromomethane	124-48-1	µg/kg	<16	<12	<17	<7.3	<19	<16	<17	<26	<14	<23	<10	<10	<100
Chloroethane	75-00-3	µg/kg	<32	<24	<33	<15	<39	<33	<34	<52	<28	<47	<10	<21	<42
Chloroform	67-66-3	µg/kg	<16	<12	<17	<7.3	<19	<16	<17	<26	<14	<23	<10	<10	<42
Chloromethane	74-87-3	µg/kg	<32	<24	<33	<15	<39	<33	<34	<52	<28	<47	<10	<21	<42
cis-1,2-Dichloroethene	156-59-2	µg/kg	<8.1	0.72 J	<8.3	<3.6	<9.7	<8.2	<8.4	<13	<7	<12	<10	1.2 J	<42
cis-1,3-Dichloropropene	10061-01-5	µg/kg	<16	<12	<17	<7.3	<19	<16	<17	<26	<14	<23	<10	<10	<42
Dichlorobromomethane	75-27-4	µg/kg	<16	<12	<17	<7.3	<19	<16	<17	<26	<14	<23	<10	<10	<42
Dichlorodifluoromethane	75-71-8	µg/kg	<32	<24	<33	<15	<39	<33	<34	<52	<28	<47	<10	<21	<42
Ethylbenzene	100-41-4	µg/kg	<16	<12	<17	<7.3	<19	<16	<17	<26	<14	<23	<10	0.84 J	<100
Ethylene Dibromide	106-93-4	µg/kg	<16	<12	<17	<7.3	<19	<16	<17	<26	<14	<23	<10	<10	<100
Isopropylbenzene	98-82-8	µg/kg	<16	1.7 J	<17	<7.3	<19	<16	<17	<26	<14	<23	<10	<10	<100
Methyl tert-butyl ether	1634-04-4	µg/kg	<16	<12	<17	<7.3	<19	<16	<17	<26	<14	<23	<10	<10	<42
Methylene Chloride	75-09-2	µg/kg	1.8 J B	<12	1.7 J B	0.66 J B	2.4 J B	2.5 J B	1.8 J B	4.7	12 J B	2.3 J B	6.4 J	<10	20 J B
Styrene	100-42-5	µg/kg	<16	<12	<17	<7.3	<19	<16	<17	<26	<14	<23	<10	<10	<100
Tetrachloroethene	127-18-4	µg/kg	<16	<12	<17	<7.3	<19	<16	<17	<26	<14	<23	<10	<10	<100
Toluene	108-88-3	µg/kg	<16	<12	<17	<7.3	<19	<16	<17	<26	<14	<23	<10	0.89 J	<100
trans-1,2-Dichloroethene	156-60-5	µg/kg	<8.1	<5.9	<8.3	<3.6	<9.7	<8.2	<8.4	<13	<7	<12	<10	<5.2	<42
trans-1,3-Dichloropropene	10061-02-6	µg/kg	<16	<12	<17	<7.3	<19	<16	<17	<26	<14	<23	<10	<10	<100
Trichloroethene	79-01-6	µg/kg	<16	<12	<17	<7.3	<19	<16	<17	<26	<14	<23	<10	<10	<42
Trichlorofluoromethane	75-69-4	µg/kg	<32	<24	<33	<15	<39	<33	<34	<52	<28	<47	<10	<21	<42
Vinyl chloride	75-01-4	µg/kg	<32	<24	<33	<15	<39	<33	<34	<52	<28	<47	<10	<21	<42
Xylenes, Total	1330-20-7	µg/kg	<16	5.8 J	<17	<7.3	<19	<16	<17	<26	<14	<23	<20	13	12 J

Key to Qualifiers:

B	Compound was also found in the laboratory blank sample.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD Relative Percent Difference exceeds control limits.
J	Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit and the concentration is an approximate value.

Page Intentionally Blank

Appendix U. Results for Semi-Volatile Organic Compounds for Selected Site Sediments in Summit Lake

Page Intentionally Blank

Appendix U. Results for Semi-Volatile Organic Compounds for Selected Site Sediments in Summit Lake.

			Area A			Area B				Area C		
Parameter	CAS Number	Units	GRID A13	GRID A27	GRID A50	GRID B5	GRID B12	GRID B65 Dup A	GRID B65 Dup B	GRID C17	GRID C52	GRID C75
2,4,5-Trichlorophenol	95-95-4	ug/Kg	< 560	< 7,500	< 3,300	< 260	< 680	< 520	< 530	< 7,900	< 4,600	< 800 F2
2,4,6-Trichlorophenol	88-06-2	ug/Kg	< 560	< 7,500	< 3,300	< 260	< 680	< 520	< 530	< 7,900	< 4,600	< 800
2,4-Dichlorophenol	120-83-2	ug/Kg	< 560	< 7,500	< 3,300	< 260	< 680	< 520	< 530	< 7,900	< 4,600	< 800 F2
2,4-Dimethylphenol	105-67-9	ug/Kg	< 560	< 7,500	< 3,300	< 260	< 680	< 520	< 530	< 7,900	< 4,600	< 800 F2
2,4-Dinitrophenol	51-28-5	ug/Kg	< 1,200	< 16,000	< 7,300 F1	< 570	< 1,500	< 1,100	< 1,200	< 17,000	< 10,000	< 1,800 F2
2,4-Dinitrotoluene	121-14-2	ug/Kg	< 740	< 9,900	< 4,400	< 350	< 910	< 700	< 710	< 11,000	< 6,100	< 1,100 F2
2,6-Dinitrotoluene	606-20-2	ug/Kg	< 740	< 9,900	< 4,400	< 350	< 910	< 700	< 710	< 11,000	< 6,100	< 1,100 F2
2-Chloronaphthalene	91-58-7	ug/Kg	< 190	< 2,500	< 1,100	< 87	< 230	< 170	< 180	< 2,600	< 1,500	< 270 F2
2-Chlorophenol	95-57-8	ug/Kg	< 190	< 2,500	< 1,100	< 87	< 230	< 170	< 180	< 2,600	< 1,500	< 270 F2
2-Methylphenol	95-48-7	ug/Kg	< 740	< 9,900	< 4,400	< 350	< 910	< 700	< 710	< 11,000	< 6,100	< 1,100 F2
2-Nitroaniline	88-74-4	ug/Kg	< 740	< 9,900	< 4,400	< 350	< 910	< 700	< 710	< 11,000	< 6,100	< 1,100 F2
2-Nitrophenol	88-75-5	ug/Kg	< 190	< 2,500	< 1,100	< 87	< 230	< 170	< 180	< 2,600	< 1,500	< 270 F2
3 & 4 Methylphenol	15831-10-4	ug/Kg	< 1,500	< 20,000	< 8,900	< 690	< 1,800	< 1,400	< 1,400	< 21,000	< 12,000	< 2,100 F2
3,3'-Dichlorobenzidine	91-94-1	ug/Kg	< 370	< 5,000	< 2,200	< 170	< 450	< 350	< 360	< 5,300	< 3,100	< 540 F2
3-Nitroaniline	99-09-2	ug/Kg	< 740	< 9,900	< 4,400	< 350	< 910	< 700	< 710	< 11,000	< 6,100	< 11,000
4,6-Dinitro-2-methylphenol	534-52-1	ug/Kg	< 560	< 7,500	< 3,300	< 260	< 680	< 520	< 530	< 7,900	< 4,600	< 800 F2
4-Bromophenyl phenyl ether	101-55-3	ug/Kg	< 190	< 2,500	< 1,100	< 87	< 230	< 170	< 180	< 2,600	< 1,500	< 270
4-Chloro-3-methylphenol	59-50-7	ug/Kg	< 560	< 7,500	< 3,300	< 260	< 680	< 520	< 530	< 7,900	< 4,600	< 800 F2
4-Chloroaniline	106-47-8	ug/Kg	< 560	< 7,500	< 3,300	< 260	< 680	< 520	< 530	< 7,900	< 4,600	< 800
4-Chlorophenyl phenyl ether	7005-72-3	ug/Kg	< 190	< 2,500	< 1,100	< 87	< 230	< 170	< 180	< 2,600	< 1,500	< 270
4-Nitroaniline	100-01-6	ug/Kg	< 740	< 9,900	< 4,400	< 350	< 910	< 700	< 710	< 11,000	< 6,100	< 11,000
4-Nitrophenol	100-02-7	ug/Kg	< 1,200	< 16,000	< 7,300	< 570	< 1,500	< 1,100	< 1,200	< 17,000	< 10,000	< 1,800 F2
Acetophenone	98-86-2	ug/Kg	< 370	< 5,000	< 2,200	< 170	< 450	< 350	< 360	< 5,300	< 3,100	< 540 F2
bis (2-chloroisopropyl) ether	108-60-1	ug/Kg	< 370	< 5,000	< 2,200	< 170	< 450	< 350	< 360	< 5,300	< 3,100	< 540 F2
Bis(2-chloroethoxy)methane	111-91-1	ug/Kg	< 370	< 5,000	< 2,200	< 170	< 450	< 350	< 360	< 5,300	< 3,100	< 540 F2
Bis(2-chloroethyl)ether	111-44-4	ug/Kg	< 370	< 5,000	< 2,200	< 170	< 450	< 350	< 360	< 5,300	< 3,100	< 540 F2
Bis(2-ethylhexyl) phthalate	117-81-7	ug/Kg	190 J p	12,000 B	6,600 F1	190 B	300 J p	300 B	200 J p	1,800 J p	< 2,100	430 B F2
Butyl benzyl phthalate	85-68-7	ug/Kg	< 260	< 3,500	< 1,600	< 120	< 320	< 240	< 250	< 3,700	< 2,100	< 370
Dibenzofuran	132-64-9	ug/Kg	< 190	< 2,500	220 J	22 J	< 230	24 J	< 180	< 2,600	1,100 J	< 270 F2
Diethyl phthalate	84-66-2	ug/Kg	< 260	< 3,500	< 1,600	< 120	< 320	< 240	< 250	< 3,700	< 2,100	< 370 F2
Dimethyl phthalate	131-11-3	ug/Kg	< 260	< 3,500	< 1,600	< 120	< 320	< 240	< 250	< 3,700	< 2,100	< 370
Di-n-butyl phthalate	84-74-2	ug/Kg	< 260	< 3,500	< 1,600	< 120	< 320	< 240	< 250	< 3,700	< 2,100	< 370 F2
Di-n-octyl phthalate	117-84-0	ug/Kg	< 260	< 3,500	< 1,600 F1	< 120	< 320	< 240	< 250	< 3,700	< 2,100	< 370 F2
Hexachlorobenzene	118-74-1	ug/Kg	< 25	< 330	< 150	< 12	< 30	< 23	< 24	< 350	< 200	< 36 F2
Hexachlorobutadiene	87-68-3	ug/Kg	< 190	< 2,500	< 1,100	< 87	< 230	< 170	< 180	< 2,600	< 1,500	< 270 F2
Hexachlorocyclopentadiene	77-47-4	ug/Kg	< 1,200	< 16,000	< 7,300 F1	< 570	< 1,500	< 1,100	< 1,200	< 17,000	< 10,000	< 1,800 F1
Hexachloroethane	67-72-1	ug/Kg	< 190	< 2,500	< 1,100 F1	< 87	< 230	< 170	< 180	< 2,600	< 1,500	< 270 F1
Isophorone	78-59-1	ug/Kg	< 190	< 2,500	< 1,100	< 87	< 230	< 170	< 180	< 2,600	< 1,500	< 270 F2
Nitrobenzene	98-95-3	ug/Kg	< 370	< 5,000	< 2,200	< 170	< 450	< 350	< 360	< 5,300	< 3,100	< 540 F2
N-Nitrosodi-n-propylamine	621-64-7	ug/Kg	< 190	< 2,500	< 1,100	< 87	< 230	< 170	< 180	< 2,600	< 1,500	< 270 F2
N-Nitrosodiphenylamine	86-30-6	ug/Kg	< 190	< 2,500	980 J	< 87	< 230	< 170	< 180	< 2,600	< 1,500	< 270 F2
Pentachlorophenol	87-86-5	ug/Kg	< 560	< 7,500	< 3,300	< 260	< 680	< 520	< 530	< 7,900	< 4,600	< 800
Phenol	108-95-2	ug/Kg	< 190	< 2,500	< 1,100	< 87	< 230	< 170	< 180	< 2,600	< 1,500	61 J

Key to Qualifiers:

B	Compound was also found in the laboratory blank sample.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD Relative Percent Difference exceeds control limits.
J	Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit and the concentration is an approximate value.
p	The % Relative Percent Difference between the primary and confirmation column/detector is >40%. The lower value has been reported.

Appendix U. Results for Semi-Volatile Organic Compounds for Selected Site Sediments in Summit Lake.

			Area D		
Parameter	CAS Number	Units	GRID D6	GRID D77	GRID D80
2,4,5-Trichlorophenol	95-95-4	ug/Kg	< 320	< 18,000	< 3,200
2,4,6-Trichlorophenol	88-06-2	ug/Kg	< 320	< 18,000	< 3,200
2,4-Dichlorophenol	120-83-2	ug/Kg	< 320	< 18,000	< 3,200
2,4-Dimethylphenol	105-67-9	ug/Kg	< 320	< 18,000	< 3,200
2,4-Dinitrophenol	51-28-5	ug/Kg	< 700	< 39,000	< 7,000
2,4-Dinitrotoluene	121-14-2	ug/Kg	< 420	< 24,000	< 4,300
2,6-Dinitrotoluene	606-20-2	ug/Kg	< 420	< 24,000	< 4,300
2-Chloronaphthalene	91-58-7	ug/Kg	< 110	< 6,000	< 1,100
2-Chlorophenol	95-57-8	ug/Kg	< 110	< 6,000	< 1,100
2-Methylphenol	95-48-7	ug/Kg	< 420	< 24,000	< 4,300
2-Nitroaniline	88-74-4	ug/Kg	< 420	< 24,000	< 4,300
2-Nitrophenol	88-75-5	ug/Kg	< 110	< 6,000	< 1,100
3 & 4 Methylphenol	15831-10-4	ug/Kg	< 850	< 48,000	< 8,500
3,3'-Dichlorobenzidine	91-94-1	ug/Kg	< 210	< 12,000	< 2,100
3-Nitroaniline	99-09-2	ug/Kg	< 420	< 24,000	< 4,300
4,6-Dinitro-2-methylphenol	534-52-1	ug/Kg	< 320	< 18,000	< 3,200
4-Bromophenyl phenyl ether	101-55-3	ug/Kg	< 110	< 6,000	< 1,100
4-Chloro-3-methylphenol	59-50-7	ug/Kg	< 320	< 18,000	< 3,200
4-Chloroaniline	106-47-8	ug/Kg	< 320	< 18,000	< 3,200
4-Chlorophenyl phenyl ether	7005-72-3	ug/Kg	< 110	< 6,000	< 1,100
4-Nitroaniline	100-01-6	ug/Kg	< 420	< 24,000	< 4,300
4-Nitrophenol	100-02-7	ug/Kg	< 700	< 39,000	< 7,000
Acetophenone	98-86-2	ug/Kg	< 210	< 12,000	200 J
bis (2-chloroisopropyl) ether	108-60-1	ug/Kg	< 210	< 12,000	< 2,100
Bis(2-chloroethoxy)methane	111-91-1	ug/Kg	< 210	< 12,000	< 2,100
Bis(2-chloroethyl)ether	111-44-4	ug/Kg	< 210	< 12,000	< 2,100
Bis(2-ethylhexyl) phthalate	117-81-7	ug/Kg	130 J	32,000	13,000
Butyl benzyl phthalate	85-68-7	ug/Kg	< 150	< 8,400	< 1,500
Dibenzofuran	132-64-9	ug/Kg	30 J	< 6,000	640 J
Diethyl phthalate	84-66-2	ug/Kg	< 150	< 8,400	< 1,500
Dimethyl phthalate	131-11-3	ug/Kg	< 150	< 8,400	< 1,500
Di-n-butyl phthalate	84-74-2	ug/Kg	43 J	< 8,400	< 1,500
Di-n-octyl phthalate	117-84-0	ug/Kg	< 150	< 8,400	< 1,500
Hexachlorobenzene	118-74-1	ug/Kg	< 14	< 800	< 140
Hexachlorobutadiene	87-68-3	ug/Kg	< 110	< 6,000	< 1,100
Hexachlorocyclopentadiene	77-47-4	ug/Kg	< 700	< 39,000	< 7,000
Hexachloroethane	67-72-1	ug/Kg	< 110	< 6,000	< 1,100
Isophorone	78-59-1	ug/Kg	< 110	< 6,000	< 1,100
Nitrobenzene	98-95-3	ug/Kg	< 210	< 12,000	< 2,100
N-Nitrosodi-n-propylamine	621-64-7	ug/Kg	< 110	< 6,000	< 1,100
N-Nitrosodiphenylamine	86-30-6	ug/Kg	< 110	3,400 J	4,700
Pentachlorophenol	87-86-5	ug/Kg	< 320	< 18,000	< 3,200
Phenol	108-95-2	ug/Kg	< 110	< 6,000	< 1,100

Key to Qualifiers:

B	Compound was also found in the laboratory blank sample.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD Relative Percent Difference exceeds control limits.
J	Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit and the concentration is an approximate value.
p	The % Relative Percent Difference between the primary and confirmation column/detector is >40%. The lower value has been reported.

Appendix V. Results for Polychlorinated Biphenyl Compounds, Pesticides, and Herbicides for Selected Site Sediments in Summit Lake

Page Intentionally Blank

Appendix Table W.1. Concentrations of PCB Compounds in Selected Site Sediment Samples from Summit Lake.

Area	Parameter / Units	Aroclor-1016 ug/Kg	Aroclor-1221 ug/Kg	Aroclor-1232 ug/Kg	Aroclor-1242 ug/Kg	Aroclor-1248 ug/Kg	Aroclor-1254 ug/Kg	Aroclor-1260 ug/Kg
Selected Sites								
A	Grid 13	< 190	< 190	< 190	< 190	< 190	< 190	< 190
	Grid 27	< 120	< 120	< 120	< 120	< 120	630	< 120
	Grid 50	< 170	< 170	< 170	< 170	< 170	440	< 170
B	Grid 5	< 85	< 85	< 85	< 85	< 85	< 85	< 85
	Grid 12	< 230	< 230	< 230	< 230	< 230	< 230	< 230
	Grid 65 (Dup A)	< 170	< 170	< 170	< 170	< 170	56 J	< 170
	Grid 65 (Dup B)	< 180	< 180	< 180	< 180	< 180	< 180	< 180
C	Grid 17	< 260	< 260	< 260	< 260	< 260	270	< 260
	Grid 52	< 150	< 150	< 150	< 150	< 150	< 150	< 150
	Grid 75	< 270	< 270	< 270	< 270	< 270	< 270	< 270
D	Grid 6	< 110	< 110	< 110	< 110	< 110	< 110	< 110
	Grid 77	< 120	< 120	< 120	< 120	< 120	530	< 120
	Grid 80	< 210	< 210	< 210	< 210	< 210	< 210	< 210
Targeted Sites								
B	Grid 37	< 73	< 73	< 73	< 73	< 73	< 73	< 73
	Grid 51	< 79	< 79	< 79	< 79	< 79	< 79	< 79
	Grid 61	< 120	< 120	< 120	< 120	< 120	210	< 120
C	Grid 8 (Dup A)	< 180	< 180	< 180	< 180	< 180	230	< 180
	Grid 8 (Dup B)	< 160	< 160	< 160	< 160	< 160	240	< 160
D	Grid 27	< 88	< 88	< 88	< 88	< 88	< 88	< 88
	Grid 48	< 80	< 80	< 80	< 80	< 80	56 J p	< 80
	Grid 55	< 70	< 70	< 70	< 70	< 70	< 70	< 70
CANAL	Canal 1	< 80	< 80	< 80	< 80	< 80	44 J	< 80
	Canal 2	< 140	< 140	< 140	< 140	< 140	540	< 140

Key to Qualifiers:

J: Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit and the concentration is an approximate value.

p: The % Relative Percent Difference between the primary and confirmation column/detector is >40%. The lower value has been reported.

Appendix Table W.2. Concentrations of Pesticides and Herbicides in Selected Site Samples from Summit Lake.

			Area A			Area B				Area C			Area D		
PARAMETER	CAS Number	Units	GRID A13	GRID A27	GRID A50	GRID B5	GRID B12	GRID B65 Dup A	GRID B65 Dup B	GRID C17	GRID C52	GRID C75	GRID D6	GRID D77	GRID D80
Herbicides															
2,4,5-T	93-76-5	ug/Kg	< 230	< 150	< 200	< 100	< 270	< 210	< 210	< 320	< 180	< 320	< 130	< 140	< 260
2,4-D	94-75-7	ug/Kg	< 910	< 590	< 800	< 410	< 1100	< 830	< 850	< 1300	< 720	< 1300	< 510	< 570	< 1000
Silvex (2,4,5-TP)	93-72-1	ug/Kg	< 230	< 150	< 200	< 100	< 270	< 210	< 210	< 320	< 180	< 320	< 130	< 140	< 260
Pesticides															
4,4'-DDD	72-54-8	ug/Kg	< 190	< 630	< 17	< 8.6	< 460	< 18	< 18	< 27	< 15	< 140	< 11	< 62	< 22 F1 F2
4,4'-DDE	72-55-9	ug/Kg	< 190	< 630	12 J p	4 J	< 460	< 18	< 18	20 J p	4.4 J p	< 140	< 11	< 250	< 22
4,4'-DDT	50-29-3	ug/Kg	< 190	< 63	< 17	< 8.6	< 460	< 18	< 18	< 27	< 15	< 140	< 11	< 62	< 22
Aldrin	309-00-2	ug/Kg	< 190	< 63	< 17	< 8.6	< 460	< 18	< 18	< 27	< 15	< 140	< 11	< 62	< 22
alpha-BHC	319-84-6	ug/Kg	< 190	< 63	< 17	< 8.6	< 460	< 18	< 18	< 27	< 15	< 140	< 11	< 62	< 22 F1 F2
alpha-Chlordane	5103-71-9	ug/Kg	< 190	< 63	18	< 8.6	< 460	< 18	< 18	< 27	< 15	< 140	< 11	< 62	< 22
beta-BHC	319-85-7	ug/Kg	< 190	< 63	< 17	< 8.6	< 460	< 18	< 18	< 27	< 15	< 140	< 11	< 62	< 22
delta-BHC	319-86-8	ug/Kg	< 190	< 63	< 17	< 8.6	< 460	< 18	< 18	< 27	< 15	< 140	< 540	< 62	< 1100 F1
Dieldrin	60-57-1	ug/Kg	< 190	< 63	< 17	< 8.6	< 460	< 18	< 18	< 27	< 15	< 140	< 11	< 62	< 22
Endosulfan I	959-98-8	ug/Kg	< 190	< 630	< 17	< 8.6	< 460	< 18	< 18	< 27	< 15	< 140	< 11	< 62	< 22
Endosulfan II	33213-65-9	ug/Kg	< 190	< 63	< 17	< 8.6	< 460	< 18	< 18	< 27	< 15	< 140	< 11	< 62	< 22 F2
Endosulfan sulfate	1031-07-8	ug/Kg	< 190	< 63	< 17	< 8.6	< 460	< 18	< 18	< 27	< 15	< 140	< 540	< 62	< 1100 F1
Endrin	72-20-8	ug/Kg	< 190	< 63	< 17	< 8.6	< 460	< 18	< 18	< 27	< 15	< 140	< 11	< 250	< 22 F1
Endrin aldehyde	7421-93-4	ug/Kg	< 190	< 630	< 340	< 170	< 460	< 350	< 360	< 540	< 300	< 540	< 540	< 250	< 1100 F1
Endrin ketone	53494-70-5	ug/Kg	< 190	< 63	< 17	< 8.6	< 460	< 18	< 18	< 27	< 15	< 140	< 11	< 62	< 22
gamma-BHC (Lindane)	58-89-9	ug/Kg	< 190	< 63	< 17	< 8.6	< 460	< 18	< 18	< 27	< 15	< 140	< 11	< 62	< 22 F1 F2
gamma-Chlordane	5103-74-2	ug/Kg	< 190	< 63	16 J	< 8.6	< 460	< 18	< 18	< 27	< 15	< 140	< 11	< 62	< 22
Heptachlor	76-44-8	ug/Kg	< 190	< 63	< 17	< 8.6	< 460	< 18	< 18	< 27	< 15	< 140	< 11	< 62	< 22
Heptachlor epoxide	1024-57-3	ug/Kg	< 190	< 63	< 17	< 8.6	< 460	< 18	< 18	< 27	< 15	< 140	< 11	< 62	< 22 F1
Methoxychlor	72-43-5	ug/Kg	< 380	< 120	< 33	< 17	< 890	< 34	< 35	< 52	< 29	< 260	< 21	< 120	< 42 F1 F2
Toxaphene	8001-35-2	ug/Kg	< 3800	< 1200	< 340	< 170	< 9000	< 350	< 350	< 530	< 300	< 2700	< 210	< 1200	< 430

Key to Qualifiers:

F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD Relative Percent Difference exceeds control limits.
J	Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit and the concentration is an approximate value.
p	The % Relative Percent Difference between the primary and confirmation column/detector is >40%. The lower value has been reported.

Appendix W. Stepwise Calculation Documentation for Analysis for Potential Ecological Risk for Metals Mixtures in Sediment Using the ESB AVS-SEM Procedure

Page Intentionally Blank

Appendix W. Stepwise Calculation Documentation for Analysis for Potential Ecological Risk for Metals Mixtures inSediment Using the ESB AVS-SEM Procedure

Location	Total Organic Carbon (mg/kg)	Acid Volatile Sulfides (AVS) (µg/g)	Cadmium SEM (µg/g)	Copper SEM (µg/g)	Lead SEM (µg/g)	Nickel SEM (µg/g)	Zinc SEM (µg/g)
GRID A13	140,000	580	0.2	2	15	2.1	78
GRID A27	73,000	2,700	0.82	5.6	51	4.9	240
GRID A50	45,000	2,400	0.75	12 F1	84	7.2	290
GRID B5	4,800	310	0.13	6.1	15	3.7	53
GRID B12	90,000	960	0.11 J	0.29 J	8.8	0.9 J	51
GRID B65 (Dup A)	96,000	1,200	0.22	1.9	73	3.6	210
GRID B65 (Dup B)	120,000	330	0.044 J	0.34 J	15	1.1	15
GRID C17	210,000	1,800	0.38	4.6	69	3	180
GRID C52 (Dup A)	250,000	71	0.035 J	0.1 J	0.59	0.41 J	3.6
GRID C52 (Dup B)	250,000	210	0.032 J	0.36 J	0.79	0.39 J	4.6
GRID C75	170,000	500	0.06 J	1.9	7.5	2.9	26
GRID D6	50,000	<42	0.057 J	0.54 J B	1.5	0.98 J	9.6 B
GRID D77	230000	3,600	1.4	15	93	8.7	760
GRID D80	600000	910	0.57	3.9 B	38	1.9	230 B

Location	Fraction Org. Carbon (f_{OC}) (g_{OC}/g_{sed})	Acid Volatile Sulfides (AVS) (µmol/g)	Cadmium SEM (µmol/g)	Copper SEM (µmol/g)	Lead SEM (µmol/g)	Nickel SEM (µmol/g)	Zinc SEM (µmol/g)	ΣSEM (µmol/g)
GRID A13	0.14	18.091	0.002	0.031	0.072	0.036	1.193	1.334
GRID A27	0.073	84.217	0.007	0.088	0.246	0.083	3.671	4.096
GRID A50	0.045	74.860	0.007	0.189	0.405	0.123	4.436	5.159
GRID B5	0.0048	9.669	0.001	0.096	0.072	0.063	0.811	1.043
GRID B12	0.09	21.522	0.001	0.005	0.042	0.015	0.780	0.843
GRID B65 (Dup A)	0.096	37.430	0.002	0.030	0.352	0.061	3.212	3.658
GRID B65 (Dup B)	0.12	10.293	0.000	0.005	0.072	0.019	0.229	0.326
GRID C17	0.21	56.145	0.003	0.072	0.333	0.051	2.753	3.213
GRID C52 (Dup A)	0.25	2.215	0.000	0.002	0.003	0.007	0.055	0.067
GRID C52 (Dup B)	0.25	6.550	0.000	0.006	0.004	0.007	0.070	0.087
GRID C75	0.17	15.596	0.001	0.030	0.036	0.049	0.398	0.514
GRID D6	0.05	0.655*	0.001	0.008	0.007	0.017	0.147	0.180
GRID D77	0.23	112.289	0.012	0.236	0.449	0.148	11.624	12.470
GRID D80	0.6	28.384	0.005	0.061	0.183	0.032	3.518	3.800

Location	Fraction Org. Carbon (f_{OC}) (g_{OC}/g_{sed})	Acid Volatile Sulfides (AVS) (µmol/g)	ΣSEM (µmol/g)	(∑SEM - AVS)/f_{OC} (µmol/g_{OC})
GRID A13	0.14	18.091	1.334	-119.69
GRID A27	0.073	84.217	4.096	-1097.55
GRID A50	0.045	74.860	5.159	-1548.90
GRID B5	0.0048	9.669	1.043	-1797.11
GRID B12	0.09	21.522	0.843	-229.76
GRID B65 (Dup A)	0.096	37.430	3.658	-351.79
GRID B65 (Dup B)	0.12	10.293	0.326	-83.06
GRID C17	0.21	56.145	3.213	-252.06
GRID C52 (Dup A)	0.25	2.215	0.067	-8.59
GRID C52 (Dup B)	0.25	0.655*	0.087	-25.85
GRID C75	0.17	15.596	0.514	-88.72
GRID D6	0.05	0.655	0.180	-301.64
GRID D77	0.23	112.289	12.470	-2.07
GRID D80	0.6	28.384	3.800	-166.37

Key to Qualifiers:

B	Compound was also found in the laboratory blank sample.
F1	MS and/or MSD Recovery is outside acceptance limits.
J	Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit and the concentration is an approximate value.
*	One-half of the reporting limit substituted for non-detect result.

Page Intentionally Blank

Appendix X. Stepwise Calculation Documentation for Analysis for Potential Ecological Risk Using the Sediment ESB Procedure for Evaluating PAH Mixtures

Page Intentionally Blank

Appendix X1. Sediment ESB Ecological Toxicity Potential Calculations for PAH Mixtures: Summit Lake Selected Sites. Normalized PAH Concentrations (µg/g_{OC}) for Summit Sediments, 2016.

Analyte	SS3 - GRID A13	SS2 - GRID A27	SS1 - GRID A50	SS8 - GRID B5	SS7 - GRID B12	SS5 - GRID B65	SS6 - GRID B65	SS9 - GRID C17	SS10 - GRID C52	SS11 - GRID C75	SS12 GRID D6	SS4 - GRID D77	SS13 GRID D80
Acenaphthene	0.089	5.753	4.300	2.292	0.167	0.177	0.100	1.238	7.600	0.106	0.300	3.348	1.267
Acenaphthylene	0.089	2.260	2.089	1.479	0.167	0.120	0.100	0.833	0.400	0.106	0.168	1.739	0.400
Anthracene	0.089	12.055	8.722	5.833	0.167	0.615	0.100	3.190	20.000	0.106	0.860	8.261	2.667
Benzo[a]anthracene	0.286	13.014	28.711	15.417	0.300	2.500	0.367	6.667	26.000	0.106	2.600	15.652	4.000
Benzo[a]pyrene	0.371	13.151	31.556	16.667	0.444	2.917	0.375	6.667	25.600	0.106	2.800	12.609	3.333
Benzo[b]fluoranthene	0.089	19.178	56.111	31.250	0.822	4.583	0.650	9.048	31.200	0.241	4.400	18.696	4.500
Benzo[g,h,i]perylene	0.257	7.397	13.744	8.750	0.267	1.250	0.267	3.190	11.200	0.106	2.200	4.348	1.833
Benzo[k]fluoranthene	0.089	6.849	21.700	10.625	0.289	1.563	0.100	4.048	12.800	0.106	1.680	9.130	1.417
Chrysene	0.364	21.918	39.444	19.792	0.333	2.917	0.425	8.571	24.000	0.106	3.200	18.696	5.167
Dibenz(a,h)anthracene	0.089	2.260	1.667	1.250	0.167	0.120	0.100	0.833	2.920	0.106	0.500	1.739	0.117
Fluoranthene	0.857	38.356	80.000	41.667	0.989	5.417	1.000	16.667	80.000	0.371	6.400	47.826	11.167
Fluorene	0.089	7.671	4.333	2.917	0.167	0.260	0.100	1.286	8.800	0.106	0.360	5.652	2.000
Indeno[1,2,3-cd]pyrene	0.236	5.068	12.500	8.750	0.267	1.250	0.233	2.619	9.600	0.106	1.760	3.478	1.300
Methylnaphthalene-2	0.186	10.274	18.889	14.375	0.167	0.552	0.183	1.952	1.880	0.106	1.420	8.261	3.333
Naphthalene	0.136	6.438	10.856	9.792	0.167	0.438	0.133	1.476	1.880	0.106	0.860	5.217	1.833
Phenanthrene	0.257	42.466	33.889	20.625	0.233	1.458	0.258	10.000	64.000	0.106	2.200	33.478	9.333
Pyrene	0.636	42.466	65.444	31.250	0.756	4.167	0.817	14.286	60.000	0.265	5.800	43.478	10.833
Total PAH	4.211	256.575	433.956	242.729	5.867	30.302	5.308	92.571	387.880	2.359	37.508	241.609	64.500

Appendix X1. Sediment ESB Ecological Toxicity Potential Calculations for PAH Mixtures: Summit Lake Selected Sites. Sediment Toxicity Benchmarks for PAHs (Ohio EPA, 2010a).

Analyte	Final Chronic Value ($\mu g/g_{OC}$)	Maximum ($\mu g/g_{OC}$)
Acenaphthene	491	33,400
Acenaphthylene	452	24,000
Anthracene	594	1,300
Benzo[a]anthracene	841	4,153
Benzo[a]pyrene	965	3,840
Benzo[b]fluoranthene	979	2,169
Benzo[g,h,i]perylene	1,095	648
Benzo[k]fluoranthene	981	1,220
Chrysene	844	826
Dibenz(a,h)anthracene	1,123	2,389
Fluoranthene	707	23,870
Fluorene	538	26,000
Indeno[1,2,3-cd]pyrene	1,115	--
Methylnaphthalene-2	447	154,800
Naphthalene	385	61,700
Phenanthrene	596	34,300
Pyrene	697	9,090

Equilibrium Sediment Benchmark (ESB) Calculations for Summit Lake Sediments, 2017 (Values in ESB Toxicity Units).

Analyte	SS3 - GRID A13	SS2 - GRID A27	SS1 - GRID A50	SS8 - GRID B5	SS7 - GRID B12	SS5 - GRID B65	SS6 - GRID B65	SS9 - GRID C17	SS10 - GRID C52	SS11 - GRID C75	SS12 GRID D6	SS4 - GRID D77	SS13 GRID D80
Acenaphthene	0.00018	0.01172	0.00876	0.00467	0.00034	0.00036	0.00020	0.00252	0.01548	0.00022	0.00061	0.00682	0.00258
Acenaphthylene	0.00020	0.00500	0.00462	0.00327	0.00037	0.00027	0.00022	0.00184	0.00088	0.00023	0.00037	0.00385	0.00088
Anthracene	0.00015	0.02029	0.01468	0.00982	0.00028	0.00103	0.00017	0.00537	0.03367	0.00018	0.00145	0.01391	0.00449
Benzo[a]anthracene	0.00034	0.01547	0.03414	0.01833	0.00036	0.00297	0.00044	0.00793	0.03092	0.00013	0.00309	0.01861	0.00476
Benzo[a]pyrene	0.00038	0.01363	0.03270	0.01727	0.00046	0.00302	0.00039	0.00691	0.02653	0.00011	0.00290	0.01307	0.00345
Benzo[b]fluoranthene	0.00009	0.01959	0.05731	0.03192	0.00084	0.00468	0.00066	0.00924	0.03187	0.00025	0.00449	0.01910	0.00460
Benzo[g,h,i]perylene	0.00023	0.00676	0.01255	0.00799	0.00024	0.00114	0.00024	0.00291	0.01023	0.00010	0.00201	0.00397	0.00167
Benzo[k]fluoranthene	0.00009	0.00698	0.02212	0.01083	0.00029	0.00159	0.00010	0.00413	0.01305	0.00011	0.00171	0.00931	0.00144
Chrysene	0.00043	0.02597	0.04674	0.02345	0.00039	0.00346	0.00050	0.01016	0.02844	0.00013	0.00379	0.02215	0.00612
Dibenz(a,h)anthracene	0.00008	0.00201	0.00148	0.00111	0.00015	0.00011	0.00009	0.00074	0.00260	0.00009	0.00045	0.00155	0.00010
Fluoranthene	0.00121	0.05425	0.11315	0.05893	0.00140	0.00766	0.00141	0.02357	0.11315	0.00052	0.00905	0.06765	0.01579
Fluorene	0.00017	0.01426	0.00805	0.00542	0.00031	0.00048	0.00019	0.00239	0.01636	0.00020	0.00067	0.01051	0.00372
Indeno[1,2,3-cd]pyrene	0.00021	0.00455	0.01121	0.00785	0.00024	0.00112	0.00021	0.00235	0.00861	0.00009	0.00158	0.00312	0.00117
Methylnaphthalene-2	0.00042	0.02298	0.04226	0.03216	0.00037	0.00124	0.00041	0.00437	0.00421	0.00024	0.00318	0.01848	0.00746
Naphthalene	0.00035	0.01672	0.02820	0.02543	0.00043	0.00114	0.00035	0.00383	0.00488	0.00028	0.00223	0.01355	0.00476
Phenanthrene	0.00043	0.07125	0.05686	0.03461	0.00039	0.00245	0.00043	0.01678	0.10738	0.00018	0.00369	0.05617	0.01566
Pyrene	0.00091	0.06093	0.09389	0.04484	0.00108	0.00598	0.00117	0.02050	0.08608	0.00038	0.00832	0.06238	0.01554
∑ESBTU	0.006	0.372	0.589	0.338	0.008	0.039	0.007	0.126	0.534	0.003	0.050	0.344	0.094

Appendix X1. Sediment ESB Ecological Toxicity Potential Calculations for PAH Mixtures: Summit Lake Selected

Sites. PAH Uncertainty Factor Analysis

Uncertainty Factors (UFs) calculated by correlation of Table 2 Uncertainty Factor for PAH (Table 2, Ohio EPA, 2010) to the number of PAH Analytes (P_a) using the following equation:

$$UF = 26.189 - (1.353 * P_a) + (0.017 * P_a^2) \qquad eq\ 1$$

	P_a	UF
17 PAH Compounds Analyzed, 99th Percentile (extrapolated PAH Uncertainty Factor):	17	**8.101**
16 PAH Compounds Analyzed, 99th Percentile (extrapolated PAH Uncertainty Factor):	16	**8.893**

Final Adjusted PAH Toxicity Estimates for Summit Lake Sediments, 2017 (ESB Toxicity Units).

Sampling Location	SS3 - GRID A13	SS2 - GRID A27	SS1 - GRID A50	SS8 - GRID B5	SS7 - GRID B12	SS5 - GRID B65	SS6 - GRID B65	SS9 - GRID C17	SS10 - GRID C52	SS11 - GRID C75	SS12 GRID D6	SS4 - GRID D77	SS13 GRID D80
P_a	17	17	17	17	17	17	17	17	17	17	17	17	17
Adjusted ∑ESBTU	0.048	**3.017**	**4.769**	**2.737**	0.064	0.313	0.058	**1.017**	**4.329**	0.028	0.402	**2.788**	0.763

Values > 1.0 are flagged with **BOLD** type, and represent potential for sediment toxicity.

Appendix X2. Sediment ESB Ecological Toxicity Potential Calculations for PAH Mixtures: Summit Lake Targeted Sites. PAH Concentrations (µg/kg) in Summit Lake Sediments, 2017.

Values equal to one-half the RL substituted for non-detect results. Non-detects indicated by *italics*.

Analyte	TS1 - GRID B37	TS3 - GRID B51	TS4 - GRID B61	TS2 - GRID C8 DUP A	TS2 - GRID C8 DUP B	TS8 - GRID D27	TS7 - GRID D48	TS6 - GRID D55	TS9 - CANAL_1	TS5 - CANAL_2
Acenaphthene	500	30	175	150	140	280	52	48	50	320
Acenaphthylene	69	15	175	150	140	62	26	32	50	120
Anthracene	1100	79	300	250	220	680	150	150	57	790
Benzo[a]anthracene	2300	210	810	1400	830	2100	400	640	220	2000
Benzo[a]pyrene	1900	190	680	2000	910	1800	360	610	200	2100
Benzo[b]fluoranthene	2400	320	1000	3000	1700	2300	560	900	340	3500
Benzo[g,h,i]perylene	980	110	590	1900	880	1500	310	480	180	1500
Benzo[k]fluoranthene	1000	100	390	1000	500	970	200	380	110	1100
Chrysene	2200	260	1000	2200	1500	2000	460	730	250	2800
Dibenz(a,h)anthracene	270	27	175	350	240	290	75	120	50	360
Fluoranthene	4700	570	2000	2800	2200	4100	860	1400	500	5600
Fluorene	460	41	190	180	170	230	49	66	50	480
Indeno[1,2,3-cd]pyrene	910	100	420	1500	700	1000	240	410	130	1300
Methylnaphthalene-2										
Naphthalene	920	100	490	160	160	660	270	140	69	530
Phenanthrene	3100	320	860	1400	1200	2300	450	770	190	3200
Pyrene	4400	490	2200	3000	2100	5700	880	1300	550	5000
Total PAH	27,209	2,962	11,455	21,440	13,590	25,972	5,342	8,176	2,996	30,700

Total Organic Carbon Results for Summit Lake Sediments, 2017 (TOC in mg/kg, f_{OC} = fraction organic carbon).

Analyte	TS1 - GRID B37	TS3 - GRID B51	TS4 - GRID B61	TS2 - GRID C8 DUP A	TS2 - GRID C8 DUP B	TS8 - GRID D27	TS7 - GRID D48	TS6 - GRID D55	TS9 - CANAL_1	TS5 - CANAL_2
TOC (mg/kg)	50000	62000	140000	120000	120000	120000	64000	27000	17000	150000
f_{OC}	0.05	0.062	0.14	0.12	0.12	0.12	0.064	0.027	0.017	0.15

Appendix X2. Sediment ESB Ecological Toxicity Potential Calculations for PAH Mixtures: Summit Lake Targeted Sites. Normalized PAH Concentrations ($\mu g/g_{OC}$) for Summit Sediments, 2016.

Analyte	TS1 - GRID B37	TS3 - GRID B51	TS4 - GRID B61	TS2 - GRID C8 DUP A	TS2 - GRID C8 DUP B	TS8 - GRID D27	TS7 - GRID D48	TS6 - GRID D55	TS9 - CANAL_ 1	TS5 - CANAL_2
Acenaphthene	10.000	0.484	1.250	1.250	1.167	2.333	0.813	1.778	2.941	2.133
Acenaphthylene	1.380	0.242	1.250	1.250	1.167	0.517	0.406	1.185	2.941	0.800
Anthracene	22.000	1.274	2.143	2.083	1.833	5.667	2.344	5.556	3.353	5.267
Benzo[a]anthracene	46.000	3.387	5.786	11.667	6.917	17.500	6.250	23.704	12.941	13.333
Benzo[a]pyrene	38.000	3.065	4.857	16.667	7.583	15.000	5.625	22.593	11.765	14.000
Benzo[b]fluoranthene	48.000	5.161	7.143	25.000	14.167	19.167	8.750	33.333	20.000	23.333
Benzo[g,h,i]perylene	19.600	1.774	4.214	15.833	7.333	12.500	4.844	17.778	10.588	10.000
Benzo[k]fluoranthene	20.000	1.613	2.786	8.333	4.167	8.083	3.125	14.074	6.471	7.333
Chrysene	44.000	4.194	7.143	18.333	12.500	16.667	7.188	27.037	14.706	18.667
Dibenz(a,h)anthracene	5.400	0.435	1.250	2.917	2.000	2.417	1.172	4.444	2.941	2.400
Fluoranthene	94.000	9.194	14.286	23.333	18.333	34.167	13.438	51.852	29.412	37.333
Fluorene	9.200	0.661	1.357	1.500	1.417	1.917	0.766	2.444	2.941	3.200
Indeno[1,2,3-cd]pyrene	18.200	1.613	3.000	12.500	5.833	8.333	3.750	15.185	7.647	8.667
Methylnaphthalene-2	---	---	---	---	---	---	---	---	---	---
Naphthalene	18.400	1.613	3.500	1.333	1.333	5.500	4.219	5.185	4.059	3.533
Phenanthrene	62.000	5.161	6.143	11.667	10.000	19.167	7.031	28.519	11.176	21.333
Pyrene	88.000	7.903	15.714	25.000	17.500	47.500	13.750	48.148	32.353	33.333
Total PAH	544.180	47.774	81.821	178.667	113.250	216.433	83.469	302.815	176.235	204.667

Appendix X2. Sediment ESB Ecological Toxicity Potential Calculations for PAH Mixtures: Summit Lake Targeted Sites. Sediment Toxicity Benchmarks for PAHs (Ohio EPA, 2010a).

Analyte	Final Chronic Value ($\mu g/g_{OC}$)	Maximum ($\mu g/g_{OC}$)
Acenaphthene	491	33,400
Acenaphthylene	452	24,000
Anthracene	594	1,300
Benzo[a]anthracene	841	4,153
Benzo[a]pyrene	965	3,840
Benzo[b]fluoranthene	979	2,169
Benzo[g,h,i]perylene	1,095	648
Benzo[k]fluoranthene	981	1,220
Chrysene	844	826
Dibenz(a,h)anthracene	1,123	2,389
Fluoranthene	707	23,870
Fluorene	538	26,000
Indeno[1,2,3-cd]pyrene	1,115	--
Methylnaphthalene-2	447	154,800
Naphthalene	385	61,700
Phenanthrene	596	34,300
Pyrene	697	9,090

Equilibrium Sediment Benchmark (ESB) Calculations for Summit Lake Sediments, 2017 (Values in ESB Toxicity Units).

Analyte	TS1 - GRID B37	TS3 - GRID B51	TS4 - GRID B61	TS2 - GRID C8 DUP A	TS2 - GRID C8 DUP B	TS8 - GRID D27	TS7 - GRID D48	TS6 - GRID D55	TS9 - CANAL_1	TS5 - CANAL_2
Acenaphthene	0.02037	0.00099	0.00255	0.00255	0.00238	0.00475	0.00165	0.00362	0.00599	0.00434
Acenaphthylene	0.00305	0.00054	0.00277	0.00277	0.00258	0.00114	0.00090	0.00262	0.00651	0.00177
Anthracene	0.03704	0.00215	0.00361	0.00351	0.00309	0.00954	0.00395	0.00935	0.00564	0.00887
Benzo[a]anthracene	0.05470	0.00403	0.00688	0.01387	0.00822	0.02081	0.00743	0.02819	0.01539	0.01585
Benzo[a]pyrene	0.03938	0.00318	0.00503	0.01727	0.00786	0.01554	0.00583	0.02341	0.01219	0.01451
Benzo[b]fluoranthene	0.04903	0.00527	0.00730	0.02554	0.01447	0.01958	0.00894	0.03405	0.02043	0.02383
Benzo[g,h,i]perylene	0.01790	0.00162	0.00385	0.01446	0.00670	0.01142	0.00442	0.01624	0.00967	0.00913
Benzo[k]fluoranthene	0.02039	0.00164	0.00284	0.00849	0.00425	0.00824	0.00319	0.01435	0.00660	0.00748
Chrysene	0.05213	0.00497	0.00846	0.02172	0.01481	0.01975	0.00852	0.03203	0.01742	0.02212
Dibenz(a,h)anthracene	0.00481	0.00039	0.00111	0.00260	0.00178	0.00215	0.00104	0.00396	0.00262	0.00214
Fluoranthene	0.13296	0.01300	0.02021	0.03300	0.02593	0.04833	0.01901	0.07334	0.04160	0.05281
Fluorene	0.01710	0.00123	0.00252	0.00279	0.00263	0.00356	0.00142	0.00454	0.00547	0.00595
Indeno[1,2,3-cd]pyrene	0.01632	0.00145	0.00269	0.01121	0.00523	0.00747	0.00336	0.01362	0.00686	0.00777
Methylnaphthalene-2										
Naphthalene	0.04779	0.00419	0.00909	0.00346	0.00346	0.01429	0.01096	0.01347	0.01054	0.00918
Phenanthrene	0.10403	0.00866	0.01031	0.01957	0.01678	0.03216	0.01180	0.04785	0.01875	0.03579
Pyrene	0.12626	0.01134	0.02255	0.03587	0.02511	0.06815	0.01973	0.06908	0.04642	0.04782
∑ESBTU	0.743	0.065	0.112	0.219	0.145	0.287	0.112	0.390	0.232	0.269

Appendix X2. Sediment ESB Ecological Toxicity Potential Calculations for PAH Mixtures: Summit Lake Targeted Sites. PAH Uncertainty Factor Analysis

Uncertainty Factors (UFs) calculated by correlation of Table 2 Uncertainty Factor for PAH (Table 2, Ohio EPA, 2010) to the number of PAH Analytes (P_a) using the following equation:

$$UF = 26.189 - (1.353 * P_a) + (0.017 * P_a^2) \quad \textit{eq 1}$$

	P_a	UF
17 PAH Compounds Analyzed, 99th Percentile (extrapolated PAH Uncertainty Factor):	17	**8.101**
16 PAH Compounds Analyzed, 99th Percentile (extrapolated PAH Uncertainty Factor):	16	**8.893**

Final Adjusted PAH Toxicity Estimates for Summit Lake Sediments, 2017 (ESB Toxicity Units).

Sampling Location	TS1 - GRID B37	TS3 - GRID B51	TS4 - GRID B61	TS2 - GRID C8 DUP A	TS2 - GRID C8 DUP B	TS8 - GRID D27	TS7 - GRID D48	TS6 - GRID D55	TS9 - CANAL_1	TS5 - CANAL_2
P_a	16	16	16	16	16	16	16	16	16	16
Adjusted ∑ESBTU	**6.610**	0.575	0.994	**1.945**	**1.292**	**2.551**	0.997	**3.466**	**2.064**	**2.395**

Values > 1.0 are flagged with **BOLD** type, and represent potential for sediment toxicity.

Page Intentionally Blank

Appendix Y. Summary Statistics for Ohio EPA Inland Lakes Sediment Metals Data

Page Intentionally Blank

Appendix Z. Summary Statistics for Ohio EPA Inland Lakes Sediment Metals Data.
(Source: Ohio EPA Division of Surface Water, unpub.)

Parameter	Lakes in Data Set	No. Non-Detects	No. Detects	Percent Detects (Lakes)	Maximum	Statewide Mean[2]	Standard Error of Mean	Statewide 95% UCL[2]
Aluminum	50	0	50	100.0%	80,850	17,097	733	**18,325**
Arsenic	53	2	51	96.2%	54	13.92	0.83	**15.4**
Barium	55	0	55	100.0%	468	189.3	10	**207**
Cadmium	52	0	52	100.0%	3	0.831	0.055	**0.924**
Calcium	52	7	45	86.5%	133,417	16,880	2,670	**28,786**
Chromium	58	2	56	96.6%	137	24.09	1.42	**26.5**
Copper	58	0	58	100.0%	1,020	31.14	2.27	**35.1**
Iron	57	0	57	100.0%	53,800	35,987	1,079	**37,791**
Lead	58	3	55	94.8%	246	26.91	1.43	**29.36**
Magnesium	50	0	50	100.0%	14,700	5,343	338	**5,943**
Manganese	54	0	54	100.0%	3,710	838.8	47.6	**918.5**
Mercury	52	27	25	48.1%	0.691	0.064	0.007	**0.074**
Nickel	55	4	51	92.7%	117.0	32.81	1.45	**35.3**
Potassium	51	27	24	47.1%	27,700	2,536	247	**2,795**
Selenium*	*54*	*48*	*6*	*11.1%*	*n/a*	*n/a*	*n/a*	*n/a*
Sodium*	*53*	*50*	*3*	*5.7%*	*n/a*	*n/a*	*n/a*	*n/a*
Strontium	52	24	28	53.8%	1,100	93.2	17.2	**131.8**
Zinc	59	0	59	100.0%	1,306	152.0	9.6	**168.1**

[1]Source: Ohio EPA Division of Surface Water.

[2]Statistic Calculated Using ProUCL Software, Ver. 5.1 (USEPA, 2015)

*Reporting limits for the data yield insufficient sample size of detectable results to accurately predict the UCL.