



ANALYTICAL REPORT

Lab Number:	L2228801
Client:	Land Remediation, Inc. 74 Hudson River Road Waterford, NY 12188
ATTN:	Jonathan Borrelli
Phone:	(203) 233-4100
Project Name:	TROY (WATER STREET) PHASE 1A R
Project Number:	TROY (WATER STREET)
Report Date:	06/06/22

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Project Name: TROY (WATER STREET) PHASE 1A R
Project Number: TROY (WATER STREET)

Lab Number: L2228801
Report Date: 06/06/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2228801-01	AREA 3 TEST PIT 1	SOIL	8000 MAIN STREET, TROY, NY 12180	06/01/22 11:00	06/01/22
L2228801-02	AREA 3 TEST PIT 2	SOIL	8000 MAIN STREET, TROY, NY 12180	06/01/22 11:30	06/01/22
L2228801-03	AREA 3 TEST PIT 3	SOIL	8000 MAIN STREET, TROY, NY 12180	06/01/22 12:00	06/01/22
L2228801-04	AREA 3 TEST PIT 4	SOIL	8000 MAIN STREET, TROY, NY 12180	06/01/22 12:30	06/01/22
L2228801-05	AREA 3 TEST PIT 5	SOIL	8000 MAIN STREET, TROY, NY 12180	06/01/22 13:00	06/01/22

Project Name: TROY (WATER STREET) PHASE 1A R
Project Number: TROY (WATER STREET)

Lab Number: L2228801
Report Date: 06/06/22

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

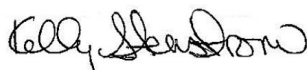
Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:

 Kelly Stenstrom

Title: Technical Director/Representative

Date: 06/06/22

ORGANICS

VOLATILES

Project Name: TROY (WATER STREET) PHASE 1A R**Lab Number:** L2228801**Project Number:** TROY (WATER STREET)**Report Date:** 06/06/22**SAMPLE RESULTS**

Lab ID: L2228801-01
 Client ID: AREA 3 TEST PIT 1
 Sample Location: 8000 MAIN STREET, TROY, NY 12180

Date Collected: 06/01/22 11:00
 Date Received: 06/01/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 06/03/22 09:26
 Analyst: NLK
 Percent Solids: 86%
 TCLP/SPLP Ext. Date: 06/02/22 14:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	--	10
Carbon tetrachloride	ND		ug/l	5.0	--	10
Tetrachloroethene	ND		ug/l	5.0	--	10
Chlorobenzene	ND		ug/l	5.0	--	10
1,2-Dichloroethane	ND		ug/l	5.0	--	10
Benzene	ND		ug/l	5.0	--	10
Vinyl chloride	ND		ug/l	10	--	10
1,1-Dichloroethene	ND		ug/l	5.0	--	10
Trichloroethene	ND		ug/l	5.0	--	10
1,4-Dichlorobenzene	ND		ug/l	25	--	10
2-Butanone	ND		ug/l	50	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	107		70-130
dibromofluoromethane	109		70-130

Project Name: TROY (WATER STREET) PHASE 1A R**Lab Number:** L2228801**Project Number:** TROY (WATER STREET)**Report Date:** 06/06/22**SAMPLE RESULTS**

Lab ID: L2228801-02
 Client ID: AREA 3 TEST PIT 2
 Sample Location: 8000 MAIN STREET, TROY, NY 12180

Date Collected: 06/01/22 11:30
 Date Received: 06/01/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 06/03/22 09:51
 Analyst: NLK
 Percent Solids: 86%
 TCLP/SPLP Ext. Date: 06/02/22 14:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	--	10
Carbon tetrachloride	ND		ug/l	5.0	--	10
Tetrachloroethene	ND		ug/l	5.0	--	10
Chlorobenzene	ND		ug/l	5.0	--	10
1,2-Dichloroethane	ND		ug/l	5.0	--	10
Benzene	ND		ug/l	5.0	--	10
Vinyl chloride	ND		ug/l	10	--	10
1,1-Dichloroethene	ND		ug/l	5.0	--	10
Trichloroethene	ND		ug/l	5.0	--	10
1,4-Dichlorobenzene	ND		ug/l	25	--	10
2-Butanone	ND		ug/l	50	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	107		70-130
dibromofluoromethane	107		70-130

Project Name: TROY (WATER STREET) PHASE 1A R**Lab Number:** L2228801**Project Number:** TROY (WATER STREET)**Report Date:** 06/06/22**SAMPLE RESULTS**

Lab ID: L2228801-03
 Client ID: AREA 3 TEST PIT 3
 Sample Location: 8000 MAIN STREET, TROY, NY 12180

Date Collected: 06/01/22 12:00
 Date Received: 06/01/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 06/03/22 10:15
 Analyst: NLK
 Percent Solids: 90%
 TCLP/SPLP Ext. Date: 06/02/22 14:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	--	10
Carbon tetrachloride	ND		ug/l	5.0	--	10
Tetrachloroethene	ND		ug/l	5.0	--	10
Chlorobenzene	ND		ug/l	5.0	--	10
1,2-Dichloroethane	ND		ug/l	5.0	--	10
Benzene	ND		ug/l	5.0	--	10
Vinyl chloride	ND		ug/l	10	--	10
1,1-Dichloroethene	ND		ug/l	5.0	--	10
Trichloroethene	ND		ug/l	5.0	--	10
1,4-Dichlorobenzene	ND		ug/l	25	--	10
2-Butanone	ND		ug/l	50	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	108		70-130
dibromofluoromethane	107		70-130

Project Name: TROY (WATER STREET) PHASE 1A R
Project Number: TROY (WATER STREET)

Lab Number: L2228801
Report Date: 06/06/22

SAMPLE RESULTS

Lab ID: L2228801-04
Client ID: AREA 3 TEST PIT 4
Sample Location: 8000 MAIN STREET, TROY, NY 12180

Date Collected: 06/01/22 12:30
Date Received: 06/01/22
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/03/22 10:39
Analyst: NLK
Percent Solids: 92%
TCLP/SPLP Ext. Date: 06/02/22 14:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	--	10
Carbon tetrachloride	ND		ug/l	5.0	--	10
Tetrachloroethene	ND		ug/l	5.0	--	10
Chlorobenzene	ND		ug/l	5.0	--	10
1,2-Dichloroethane	ND		ug/l	5.0	--	10
Benzene	ND		ug/l	5.0	--	10
Vinyl chloride	ND		ug/l	10	--	10
1,1-Dichloroethene	ND		ug/l	5.0	--	10
Trichloroethene	ND		ug/l	5.0	--	10
1,4-Dichlorobenzene	ND		ug/l	25	--	10
2-Butanone	ND		ug/l	50	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	104		70-130
dibromofluoromethane	108		70-130

Project Name: TROY (WATER STREET) PHASE 1A R
Project Number: TROY (WATER STREET)

Lab Number: L2228801
Report Date: 06/06/22

SAMPLE RESULTS

Lab ID: L2228801-05
Client ID: AREA 3 TEST PIT 5
Sample Location: 8000 MAIN STREET, TROY, NY 12180

Date Collected: 06/01/22 13:00
Date Received: 06/01/22
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/03/22 11:04
Analyst: NLK
Percent Solids: 88%
TCLP/SPLP Ext. Date: 06/02/22 14:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	--	10
Carbon tetrachloride	ND		ug/l	5.0	--	10
Tetrachloroethene	ND		ug/l	5.0	--	10
Chlorobenzene	ND		ug/l	5.0	--	10
1,2-Dichloroethane	ND		ug/l	5.0	--	10
Benzene	ND		ug/l	5.0	--	10
Vinyl chloride	ND		ug/l	10	--	10
1,1-Dichloroethene	ND		ug/l	5.0	--	10
Trichloroethene	ND		ug/l	5.0	--	10
1,4-Dichlorobenzene	ND		ug/l	25	--	10
2-Butanone	ND		ug/l	50	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	107		70-130
dibromofluoromethane	107		70-130

Project Name: TROY (WATER STREET) PHASE 1A R
Project Number: TROY (WATER STREET)

Lab Number: L2228801
Report Date: 06/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 06/03/22 09:02
 Analyst: NLK
 TCLP/SPLP Extraction Date: 06/02/22 14:15

Extraction Date: 06/02/22 14:15

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Volatiles by EPA 1311 - Westborough Lab for sample(s): 01-05 Batch: WG1647034-5					
Chloroform	ND		ug/l	7.5	--
Carbon tetrachloride	ND		ug/l	5.0	--
Tetrachloroethene	ND		ug/l	5.0	--
Chlorobenzene	ND		ug/l	5.0	--
1,2-Dichloroethane	ND		ug/l	5.0	--
Benzene	ND		ug/l	5.0	--
Vinyl chloride	ND		ug/l	10	--
1,1-Dichloroethene	ND		ug/l	5.0	--
Trichloroethene	ND		ug/l	5.0	--
1,4-Dichlorobenzene	ND		ug/l	25	--
2-Butanone	ND		ug/l	50	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	107		70-130
dibromofluoromethane	107		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: TROY (WATER STREET) PHASE 1A R

Lab Number: L2228801

Project Number: TROY (WATER STREET)

Report Date: 06/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Volatiles by EPA 1311 - Westborough Lab Associated sample(s): 01-05 Batch: WG1647034-3 WG1647034-4								
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	80		80		63-132	0		20
Tetrachloroethene	99		98		70-130	1		20
Chlorobenzene	98		98		75-130	0		25
1,2-Dichloroethane	93		93		70-130	0		20
Benzene	100		100		70-130	0		25
Vinyl chloride	88		85		55-140	3		20
1,1-Dichloroethene	99		98		61-145	1		25
Trichloroethene	98		99		70-130	1		25
1,4-Dichlorobenzene	96		97		70-130	1		20
2-Butanone	100		100		63-138	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		99		70-130
Toluene-d8	111		111		70-130
4-Bromofluorobenzene	104		106		70-130
dibromofluoromethane	96		96		70-130

SEMIVOLATILES

Project Name: TROY (WATER STREET) PHASE 1A R
Project Number: TROY (WATER STREET)

Lab Number: L2228801
Report Date: 06/06/22

SAMPLE RESULTS

Lab ID: L2228801-01
Client ID: AREA 3 TEST PIT 1
Sample Location: 8000 MAIN STREET, TROY, NY 12180

Date Collected: 06/01/22 11:00
Date Received: 06/01/22
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/04/22 13:55
Analyst: EK
Percent Solids: 86%
TCLP/SPLP Ext. Date: 06/02/22 05:35

Extraction Method: EPA 3510C
Extraction Date: 06/02/22 23:43

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
Hexachlorobenzene	ND		ug/l	10	--	1
2,4-Dinitrotoluene	ND		ug/l	25	--	1
Hexachlorobutadiene	ND		ug/l	10	--	1
Hexachloroethane	ND		ug/l	10	--	1
Nitrobenzene	ND		ug/l	10	--	1
2,4,6-Trichlorophenol	ND		ug/l	25	--	1
Pentachlorophenol	ND		ug/l	50	--	1
2-Methylphenol	ND		ug/l	25	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	--	1
2,4,5-Trichlorophenol	ND		ug/l	25	--	1
Pyridine	ND		ug/l	18	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		21-120
Phenol-d6	64		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	56		15-120
2,4,6-Tribromophenol	80		10-120
4-Terphenyl-d14	65		33-120

Project Name: TROY (WATER STREET) PHASE 1A R
Project Number: TROY (WATER STREET)

Lab Number: L2228801
Report Date: 06/06/22

SAMPLE RESULTS

Lab ID: L2228801-02
Client ID: AREA 3 TEST PIT 2
Sample Location: 8000 MAIN STREET, TROY, NY 12180

Date Collected: 06/01/22 11:30
Date Received: 06/01/22
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/04/22 14:19
Analyst: EK
Percent Solids: 86%
TCLP/SPLP Ext. Date: 06/02/22 05:35

Extraction Method: EPA 3510C
Extraction Date: 06/02/22 23:43

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
Hexachlorobenzene	ND		ug/l	10	--	1
2,4-Dinitrotoluene	ND		ug/l	25	--	1
Hexachlorobutadiene	ND		ug/l	10	--	1
Hexachloroethane	ND		ug/l	10	--	1
Nitrobenzene	ND		ug/l	10	--	1
2,4,6-Trichlorophenol	ND		ug/l	25	--	1
Pentachlorophenol	ND		ug/l	50	--	1
2-Methylphenol	ND		ug/l	25	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	--	1
2,4,5-Trichlorophenol	ND		ug/l	25	--	1
Pyridine	ND		ug/l	18	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	79		21-120
Phenol-d6	74		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	65		15-120
2,4,6-Tribromophenol	97		10-120
4-Terphenyl-d14	75		33-120

Project Name: TROY (WATER STREET) PHASE 1A R**Lab Number:** L2228801**Project Number:** TROY (WATER STREET)**Report Date:** 06/06/22**SAMPLE RESULTS**

Lab ID: L2228801-03
 Client ID: AREA 3 TEST PIT 3
 Sample Location: 8000 MAIN STREET, TROY, NY 12180

Date Collected: 06/01/22 12:00
 Date Received: 06/01/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 06/04/22 14:43
 Analyst: EK
 Percent Solids: 90%
 TCLP/SPLP Ext. Date: 06/02/22 05:35

Extraction Method: EPA 3510C
 Extraction Date: 06/02/22 23:43

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
Hexachlorobenzene	ND		ug/l	10	--	1
2,4-Dinitrotoluene	ND		ug/l	25	--	1
Hexachlorobutadiene	ND		ug/l	10	--	1
Hexachloroethane	ND		ug/l	10	--	1
Nitrobenzene	ND		ug/l	10	--	1
2,4,6-Trichlorophenol	ND		ug/l	25	--	1
Pentachlorophenol	ND		ug/l	50	--	1
2-Methylphenol	ND		ug/l	25	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	--	1
2,4,5-Trichlorophenol	ND		ug/l	25	--	1
Pyridine	ND		ug/l	18	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	84		21-120
Phenol-d6	79		10-120
Nitrobenzene-d5	89		23-120
2-Fluorobiphenyl	68		15-120
2,4,6-Tribromophenol	99		10-120
4-Terphenyl-d14	79		33-120

Project Name: TROY (WATER STREET) PHASE 1A R
Project Number: TROY (WATER STREET)

Lab Number: L2228801
Report Date: 06/06/22

SAMPLE RESULTS

Lab ID: L2228801-04
Client ID: AREA 3 TEST PIT 4
Sample Location: 8000 MAIN STREET, TROY, NY 12180

Date Collected: 06/01/22 12:30
Date Received: 06/01/22
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/04/22 15:07
Analyst: EK
Percent Solids: 92%
TCLP/SPLP Ext. Date: 06/02/22 05:35

Extraction Method: EPA 3510C
Extraction Date: 06/02/22 23:43

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
Hexachlorobenzene	ND		ug/l	10	--	1
2,4-Dinitrotoluene	ND		ug/l	25	--	1
Hexachlorobutadiene	ND		ug/l	10	--	1
Hexachloroethane	ND		ug/l	10	--	1
Nitrobenzene	ND		ug/l	10	--	1
2,4,6-Trichlorophenol	ND		ug/l	25	--	1
Pentachlorophenol	ND		ug/l	50	--	1
2-Methylphenol	ND		ug/l	25	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	--	1
2,4,5-Trichlorophenol	ND		ug/l	25	--	1
Pyridine	ND		ug/l	18	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	78		21-120
Phenol-d6	72		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	64		15-120
2,4,6-Tribromophenol	93		10-120
4-Terphenyl-d14	73		33-120

Project Name: TROY (WATER STREET) PHASE 1A R**Lab Number:** L2228801**Project Number:** TROY (WATER STREET)**Report Date:** 06/06/22**SAMPLE RESULTS**

Lab ID: L2228801-05
 Client ID: AREA 3 TEST PIT 5
 Sample Location: 8000 MAIN STREET, TROY, NY 12180

Date Collected: 06/01/22 13:00
 Date Received: 06/01/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 06/04/22 15:31
 Analyst: EK
 Percent Solids: 88%
 TCLP/SPLP Ext. Date: 06/02/22 05:35

Extraction Method: EPA 3510C
 Extraction Date: 06/02/22 23:43

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
Hexachlorobenzene	ND		ug/l	10	--	1
2,4-Dinitrotoluene	ND		ug/l	25	--	1
Hexachlorobutadiene	ND		ug/l	10	--	1
Hexachloroethane	ND		ug/l	10	--	1
Nitrobenzene	ND		ug/l	10	--	1
2,4,6-Trichlorophenol	ND		ug/l	25	--	1
Pentachlorophenol	ND		ug/l	50	--	1
2-Methylphenol	ND		ug/l	25	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	--	1
2,4,5-Trichlorophenol	ND		ug/l	25	--	1
Pyridine	ND		ug/l	18	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	77		21-120
Phenol-d6	70		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	62		15-120
2,4,6-Tribromophenol	89		10-120
4-Terphenyl-d14	71		33-120

Project Name: TROY (WATER STREET) PHASE 1A R
Project Number: TROY (WATER STREET)

Lab Number: L2228801
Report Date: 06/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 06/04/22 11:55
 Analyst: EK
 TCLP/SPLP Extraction Date: 05/31/22 15:23

Extraction Method: EPA 3510C
 Extraction Date: 06/02/22 23:43

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Semivolatiles by EPA 1311 - Westborough Lab for sample(s): 01-05 Batch: WG1646044-1					
Hexachlorobenzene	ND		ug/l	10	--
2,4-Dinitrotoluene	ND		ug/l	25	--
Hexachlorobutadiene	ND		ug/l	10	--
Hexachloroethane	ND		ug/l	10	--
Nitrobenzene	ND		ug/l	10	--
2,4,6-Trichlorophenol	ND		ug/l	25	--
Pentachlorophenol	ND		ug/l	50	--
2-Methylphenol	ND		ug/l	25	--
3-Methylphenol/4-Methylphenol	ND		ug/l	25	--
2,4,5-Trichlorophenol	ND		ug/l	25	--
Pyridine	ND		ug/l	18	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	86		21-120
Phenol-d6	81		10-120
Nitrobenzene-d5	89		23-120
2-Fluorobiphenyl	69		15-120
2,4,6-Tribromophenol	101		10-120
4-Terphenyl-d14	78		33-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: TROY (WATER STREET) PHASE 1A R

Lab Number: L2228801

Project Number: TROY (WATER STREET)

Report Date: 06/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Semivolatiles by EPA 1311 - Westborough Lab Associated sample(s): 01-05 Batch: WG1646044-2 WG1646044-3								
Hexachlorobenzene	72		69		40-140	4		30
2,4-Dinitrotoluene	72		68		40-132	6		30
Hexachlorobutadiene	54		53		28-111	2		30
Hexachloroethane	60		59		21-105	2		30
Nitrobenzene	80		80		40-140	0		30
2,4,6-Trichlorophenol	70		69		30-130	1		30
Pentachlorophenol	67		64		9-103	5		30
2-Methylphenol	76		74		30-130	3		30
3-Methylphenol/4-Methylphenol	76		76		30-130	0		30
2,4,5-Trichlorophenol	72		69		30-130	4		30
Pyridine	44		40		10-66	10		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	80		78		21-120
Phenol-d6	76		74		10-120
Nitrobenzene-d5	82		81		23-120
2-Fluorobiphenyl	66		63		15-120
2,4,6-Tribromophenol	96		91		10-120
4-Terphenyl-d14	72		70		33-120

PCBS

Project Name: TROY (WATER STREET) PHASE 1A R
Project Number: TROY (WATER STREET)

Lab Number: L2228801
Report Date: 06/06/22

SAMPLE RESULTS

Lab ID: L2228801-01
Client ID: AREA 3 TEST PIT 1
Sample Location: 8000 MAIN STREET, TROY, NY 12180

Date Collected: 06/01/22 11:00
Date Received: 06/01/22
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/06/22 10:03
Analyst: WR
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 06/05/22 17:43
Cleanup Method: EPA 3665A
Cleanup Date: 06/06/22
Cleanup Method: EPA 3660B
Cleanup Date: 06/06/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	1000	--	1	A
Aroclor 1221	ND		ug/kg	1000	--	1	A
Aroclor 1232	ND		ug/kg	1000	--	1	A
Aroclor 1242	ND		ug/kg	1000	--	1	A
Aroclor 1248	ND		ug/kg	1000	--	1	A
Aroclor 1254	ND		ug/kg	1000	--	1	A
Aroclor 1260	ND		ug/kg	1000	--	1	A
Aroclor 1262	ND		ug/kg	1000	--	1	A
Aroclor 1268	ND		ug/kg	1000	--	1	A
PCBs, Total	ND		ug/kg	1000	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	98		30-150	B

Project Name: TROY (WATER STREET) PHASE 1A R
Project Number: TROY (WATER STREET)

Lab Number: L2228801
Report Date: 06/06/22

SAMPLE RESULTS

Lab ID: L2228801-02
Client ID: AREA 3 TEST PIT 2
Sample Location: 8000 MAIN STREET, TROY, NY 12180

Date Collected: 06/01/22 11:30
Date Received: 06/01/22
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/02/22 16:42
Analyst: ER
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 06/02/22 05:30
Cleanup Method: EPA 3665A
Cleanup Date: 06/02/22
Cleanup Method: EPA 3660B
Cleanup Date: 06/02/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	1000	--	1	A
Aroclor 1221	ND		ug/kg	1000	--	1	A
Aroclor 1232	ND		ug/kg	1000	--	1	A
Aroclor 1242	ND		ug/kg	1000	--	1	A
Aroclor 1248	ND		ug/kg	1000	--	1	A
Aroclor 1254	ND		ug/kg	1000	--	1	A
Aroclor 1260	ND		ug/kg	1000	--	1	A
Aroclor 1262	ND		ug/kg	1000	--	1	A
Aroclor 1268	ND		ug/kg	1000	--	1	A
PCBs, Total	ND		ug/kg	1000	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	74		30-150	B

Project Name: TROY (WATER STREET) PHASE 1A R
Project Number: TROY (WATER STREET)

Lab Number: L2228801
Report Date: 06/06/22

SAMPLE RESULTS

Lab ID: L2228801-03
Client ID: AREA 3 TEST PIT 3
Sample Location: 8000 MAIN STREET, TROY, NY 12180

Date Collected: 06/01/22 12:00
Date Received: 06/01/22
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/02/22 16:50
Analyst: ER
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 06/02/22 05:30
Cleanup Method: EPA 3665A
Cleanup Date: 06/02/22
Cleanup Method: EPA 3660B
Cleanup Date: 06/02/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	1000	--	1	A
Aroclor 1221	ND		ug/kg	1000	--	1	A
Aroclor 1232	ND		ug/kg	1000	--	1	A
Aroclor 1242	ND		ug/kg	1000	--	1	A
Aroclor 1248	ND		ug/kg	1000	--	1	A
Aroclor 1254	ND		ug/kg	1000	--	1	A
Aroclor 1260	ND		ug/kg	1000	--	1	A
Aroclor 1262	ND		ug/kg	1000	--	1	A
Aroclor 1268	ND		ug/kg	1000	--	1	A
PCBs, Total	ND		ug/kg	1000	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	65		30-150	B

Project Name: TROY (WATER STREET) PHASE 1A R
Project Number: TROY (WATER STREET)

Lab Number: L2228801
Report Date: 06/06/22

SAMPLE RESULTS

Lab ID: L2228801-04
Client ID: AREA 3 TEST PIT 4
Sample Location: 8000 MAIN STREET, TROY, NY 12180

Date Collected: 06/01/22 12:30
Date Received: 06/01/22
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/02/22 16:59
Analyst: ER
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 06/02/22 05:30
Cleanup Method: EPA 3665A
Cleanup Date: 06/02/22
Cleanup Method: EPA 3660B
Cleanup Date: 06/02/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	1000	--	1	A
Aroclor 1221	ND		ug/kg	1000	--	1	A
Aroclor 1232	ND		ug/kg	1000	--	1	A
Aroclor 1242	ND		ug/kg	1000	--	1	A
Aroclor 1248	ND		ug/kg	1000	--	1	A
Aroclor 1254	ND		ug/kg	1000	--	1	A
Aroclor 1260	ND		ug/kg	1000	--	1	A
Aroclor 1262	ND		ug/kg	1000	--	1	A
Aroclor 1268	ND		ug/kg	1000	--	1	A
PCBs, Total	ND		ug/kg	1000	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	36		30-150	A
Decachlorobiphenyl	27	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	34		30-150	B
Decachlorobiphenyl	34		30-150	B

Project Name: TROY (WATER STREET) PHASE 1A R**Lab Number:** L2228801**Project Number:** TROY (WATER STREET)**Report Date:** 06/06/22**SAMPLE RESULTS**

Lab ID: L2228801-05
 Client ID: AREA 3 TEST PIT 5
 Sample Location: 8000 MAIN STREET, TROY, NY 12180

Date Collected: 06/01/22 13:00
 Date Received: 06/01/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 06/02/22 17:08
 Analyst: ER
 Percent Solids: 88%

Extraction Method: EPA 3546
 Extraction Date: 06/02/22 05:30
 Cleanup Method: EPA 3665A
 Cleanup Date: 06/02/22
 Cleanup Method: EPA 3660B
 Cleanup Date: 06/02/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	1000	--	1	A
Aroclor 1221	ND		ug/kg	1000	--	1	A
Aroclor 1232	ND		ug/kg	1000	--	1	A
Aroclor 1242	ND		ug/kg	1000	--	1	A
Aroclor 1248	ND		ug/kg	1000	--	1	A
Aroclor 1254	ND		ug/kg	1000	--	1	A
Aroclor 1260	ND		ug/kg	1000	--	1	A
Aroclor 1262	ND		ug/kg	1000	--	1	A
Aroclor 1268	ND		ug/kg	1000	--	1	A
PCBs, Total	ND		ug/kg	1000	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	65		30-150	B

Project Name: TROY (WATER STREET) PHASE 1A R
Project Number: TROY (WATER STREET)

Lab Number: L2228801
Report Date: 06/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 06/02/22 15:48
 Analyst: ER

Extraction Method: EPA 3546
 Extraction Date: 06/02/22 02:31
 Cleanup Method: EPA 3665A
 Cleanup Date: 06/02/22
 Cleanup Method: EPA 3660B
 Cleanup Date: 06/02/22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 02-05 Batch: WG1647138-1						
Aroclor 1016	ND		ug/kg	1000	--	A
Aroclor 1221	ND		ug/kg	1000	--	A
Aroclor 1232	ND		ug/kg	1000	--	A
Aroclor 1242	ND		ug/kg	1000	--	A
Aroclor 1248	ND		ug/kg	1000	--	A
Aroclor 1254	ND		ug/kg	1000	--	A
Aroclor 1260	ND		ug/kg	1000	--	A
Aroclor 1262	ND		ug/kg	1000	--	A
Aroclor 1268	ND		ug/kg	1000	--	A
PCBs, Total	ND		ug/kg	1000	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	100		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	99		30-150	B
Decachlorobiphenyl	72		30-150	B

Project Name: TROY (WATER STREET) PHASE 1A R
Project Number: TROY (WATER STREET)

Lab Number: L2228801
Report Date: 06/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 06/06/22 09:02
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 06/05/22 17:43
Cleanup Method: EPA 3665A
Cleanup Date: 06/06/22
Cleanup Method: EPA 3660B
Cleanup Date: 06/06/22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG1647140-1						
Aroclor 1016	ND		ug/kg	1000	--	A
Aroclor 1221	ND		ug/kg	1000	--	A
Aroclor 1232	ND		ug/kg	1000	--	A
Aroclor 1242	ND		ug/kg	1000	--	A
Aroclor 1248	ND		ug/kg	1000	--	A
Aroclor 1254	ND		ug/kg	1000	--	A
Aroclor 1260	ND		ug/kg	1000	--	A
Aroclor 1262	ND		ug/kg	1000	--	A
Aroclor 1268	ND		ug/kg	1000	--	A
PCBs, Total	ND		ug/kg	1000	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	94		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: TROY (WATER STREET) PHASE 1A R

Lab Number: L2228801

Project Number: TROY (WATER STREET)

Report Date: 06/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 02-05 Batch: WG1647138-2 WG1647138-3									
Aroclor 1016	104		91		40-140	13		50	A
Aroclor 1260	80		67		40-140	18		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	117		99		30-150	A
Decachlorobiphenyl	93		76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	113		95		30-150	B
Decachlorobiphenyl	91		70		30-150	B

Lab Control Sample Analysis**Batch Quality Control****Project Name:** TROY (WATER STREET) PHASE 1A R**Lab Number:** L2228801**Project Number:** TROY (WATER STREET)**Report Date:** 06/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG1647140-2 WG1647140-3									
Aroclor 1016	67		74		40-140	10		50	A
Aroclor 1260	68		75		40-140	10		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		64		30-150	A
Decachlorobiphenyl	72		79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		64		30-150	B
Decachlorobiphenyl	77		85		30-150	B

PESTICIDES

Project Name: TROY (WATER STREET) PHASE 1A R
Project Number: TROY (WATER STREET)

Lab Number: L2228801
Report Date: 06/06/22

SAMPLE RESULTS

Lab ID: L2228801-01
Client ID: AREA 3 TEST PIT 1
Sample Location: 8000 MAIN STREET, TROY, NY 12180

Date Collected: 06/01/22 11:00
Date Received: 06/01/22
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/03/22 18:36
Analyst: AKM
Percent Solids: 86%
TCLP/SPLP Ext. Date: 06/02/22 05:35

Extraction Method: EPA 3510C
Extraction Date: 06/02/22 23:43

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Pesticides by EPA 1311 - Westborough Lab							
Lindane	ND		ug/l	0.100	--	1	A
Heptachlor	ND		ug/l	0.100	--	1	A
Heptachlor epoxide	ND		ug/l	0.100	--	1	A
Endrin	ND		ug/l	0.200	--	1	A
Methoxychlor	ND		ug/l	1.00	--	1	A
Toxaphene	ND		ug/l	1.00	--	1	A
Chlordane	ND		ug/l	1.00	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	A
Decachlorobiphenyl	84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	78		30-150	B

Project Name: TROY (WATER STREET) PHASE 1A R**Lab Number:** L2228801**Project Number:** TROY (WATER STREET)**Report Date:** 06/06/22**SAMPLE RESULTS**

Lab ID: L2228801-01
 Client ID: AREA 3 TEST PIT 1
 Sample Location: 8000 MAIN STREET, TROY, NY 12180

Date Collected: 06/01/22 11:00
 Date Received: 06/01/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8151A
 Analytical Date: 06/03/22 19:18
 Analyst: AKM
 Percent Solids: 86%
 TCLP/SPLP Ext. Date: 06/02/22 05:35
 Methylation Date: 06/03/22 09:36

Extraction Method: EPA 8151A
 Extraction Date: 06/03/22 00:05

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Herbicides by EPA 1311 - Westborough Lab							
2,4-D	ND		mg/l	0.025	--	1	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	52		30-150	A
DCAA	47		30-150	B

Project Name: TROY (WATER STREET) PHASE 1A R
Project Number: TROY (WATER STREET)

Lab Number: L2228801
Report Date: 06/06/22

SAMPLE RESULTS

Lab ID: L2228801-02
Client ID: AREA 3 TEST PIT 2
Sample Location: 8000 MAIN STREET, TROY, NY 12180

Date Collected: 06/01/22 11:30
Date Received: 06/01/22
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/03/22 18:48
Analyst: AKM
Percent Solids: 86%
TCLP/SPLP Ext. Date: 06/02/22 05:35

Extraction Method: EPA 3510C
Extraction Date: 06/02/22 23:43

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Pesticides by EPA 1311 - Westborough Lab							
Lindane	ND		ug/l	0.100	--	1	A
Heptachlor	ND		ug/l	0.100	--	1	A
Heptachlor epoxide	ND		ug/l	0.100	--	1	A
Endrin	ND		ug/l	0.200	--	1	A
Methoxychlor	ND		ug/l	1.00	--	1	A
Toxaphene	ND		ug/l	1.00	--	1	A
Chlordane	ND		ug/l	1.00	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	116		30-150	A
Decachlorobiphenyl	109		30-150	A
2,4,5,6-Tetrachloro-m-xylene	104		30-150	B
Decachlorobiphenyl	98		30-150	B

Project Name: TROY (WATER STREET) PHASE 1A R**Lab Number:** L2228801**Project Number:** TROY (WATER STREET)**Report Date:** 06/06/22**SAMPLE RESULTS**

Lab ID: L2228801-02
 Client ID: AREA 3 TEST PIT 2
 Sample Location: 8000 MAIN STREET, TROY, NY 12180

Date Collected: 06/01/22 11:30
 Date Received: 06/01/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8151A
 Analytical Date: 06/03/22 19:36
 Analyst: AKM
 Percent Solids: 86%
 TCLP/SPLP Ext. Date: 06/02/22 05:35
 Methylation Date: 06/03/22 09:36

Extraction Method: EPA 8151A
 Extraction Date: 06/03/22 00:05

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Herbicides by EPA 1311 - Westborough Lab							
2,4-D	ND		mg/l	0.025	--	1	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	55		30-150	A
DCAA	52		30-150	B

Project Name: TROY (WATER STREET) PHASE 1A R
Project Number: TROY (WATER STREET)

Lab Number: L2228801
Report Date: 06/06/22

SAMPLE RESULTS

Lab ID: L2228801-03
Client ID: AREA 3 TEST PIT 3
Sample Location: 8000 MAIN STREET, TROY, NY 12180

Date Collected: 06/01/22 12:00
Date Received: 06/01/22
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/03/22 19:01
Analyst: AKM
Percent Solids: 90%
TCLP/SPLP Ext. Date: 06/02/22 05:35

Extraction Method: EPA 3510C
Extraction Date: 06/02/22 23:43

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Pesticides by EPA 1311 - Westborough Lab							
Lindane	ND		ug/l	0.100	--	1	A
Heptachlor	ND		ug/l	0.100	--	1	A
Heptachlor epoxide	ND		ug/l	0.100	--	1	A
Endrin	ND		ug/l	0.200	--	1	A
Methoxychlor	ND		ug/l	1.00	--	1	A
Toxaphene	ND		ug/l	1.00	--	1	A
Chlordane	ND		ug/l	1.00	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	109		30-150	A
Decachlorobiphenyl	102		30-150	A
2,4,5,6-Tetrachloro-m-xylene	105		30-150	B
Decachlorobiphenyl	93		30-150	B

Project Name: TROY (WATER STREET) PHASE 1A R**Lab Number:** L2228801**Project Number:** TROY (WATER STREET)**Report Date:** 06/06/22**SAMPLE RESULTS**

Lab ID: L2228801-03

Date Collected: 06/01/22 12:00

Client ID: AREA 3 TEST PIT 3

Date Received: 06/01/22

Sample Location: 8000 MAIN STREET, TROY, NY 12180

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 8151A

Analytical Method: 1,8151A

Extraction Date: 06/03/22 00:05

Analytical Date: 06/03/22 19:55

Analyst: AKM

Percent Solids: 90%

TCLP/SPLP Ext. Date: 06/02/22 05:35

Methylation Date: 06/03/22 09:36

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Herbicides by EPA 1311 - Westborough Lab							
2,4-D	ND		mg/l	0.025	--	1	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	56		30-150	A
DCAA	51		30-150	B

Project Name: TROY (WATER STREET) PHASE 1A R
Project Number: TROY (WATER STREET)

Lab Number: L2228801
Report Date: 06/06/22

SAMPLE RESULTS

Lab ID: L2228801-04
Client ID: AREA 3 TEST PIT 4
Sample Location: 8000 MAIN STREET, TROY, NY 12180

Date Collected: 06/01/22 12:30
Date Received: 06/01/22
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/03/22 19:13
Analyst: AKM
Percent Solids: 92%
TCLP/SPLP Ext. Date: 06/02/22 05:35

Extraction Method: EPA 3510C
Extraction Date: 06/02/22 23:43

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Pesticides by EPA 1311 - Westborough Lab							
Lindane	ND		ug/l	0.100	--	1	A
Heptachlor	ND		ug/l	0.100	--	1	A
Heptachlor epoxide	ND		ug/l	0.100	--	1	A
Endrin	ND		ug/l	0.200	--	1	A
Methoxychlor	ND		ug/l	1.00	--	1	A
Toxaphene	ND		ug/l	1.00	--	1	A
Chlordane	ND		ug/l	1.00	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	73		30-150	B

Project Name: TROY (WATER STREET) PHASE 1A R
Project Number: TROY (WATER STREET)

Lab Number: L2228801
Report Date: 06/06/22

SAMPLE RESULTS

Lab ID: L2228801-04
Client ID: AREA 3 TEST PIT 4
Sample Location: 8000 MAIN STREET, TROY, NY 12180

Date Collected: 06/01/22 12:30
Date Received: 06/01/22
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 06/03/22 20:14
Analyst: AKM
Percent Solids: 92%
TCLP/SPLP Ext. Date: 06/02/22 05:35
Methylation Date: 06/03/22 09:36

Extraction Method: EPA 8151A
Extraction Date: 06/03/22 00:05

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Herbicides by EPA 1311 - Westborough Lab							
2,4-D	ND		mg/l	0.025	--	1	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	64		30-150	A
DCAA	58		30-150	B

Project Name: TROY (WATER STREET) PHASE 1A R
Project Number: TROY (WATER STREET)

Lab Number: L2228801
Report Date: 06/06/22

SAMPLE RESULTS

Lab ID: L2228801-05
Client ID: AREA 3 TEST PIT 5
Sample Location: 8000 MAIN STREET, TROY, NY 12180

Date Collected: 06/01/22 13:00
Date Received: 06/01/22
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/04/22 10:27
Analyst: EJJ
Percent Solids: 88%
TCLP/SPLP Ext. Date: 06/02/22 05:35

Extraction Method: EPA 3510C
Extraction Date: 06/02/22 23:43

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Pesticides by EPA 1311 - Westborough Lab							
Lindane	ND		ug/l	0.100	--	1	A
Heptachlor	ND		ug/l	0.100	--	1	A
Heptachlor epoxide	ND		ug/l	0.100	--	1	A
Endrin	ND		ug/l	0.200	--	1	A
Methoxychlor	ND		ug/l	1.00	--	1	A
Toxaphene	ND		ug/l	1.00	--	1	A
Chlordane	ND		ug/l	1.00	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	104		30-150	A
Decachlorobiphenyl	92		30-150	A
2,4,5,6-Tetrachloro-m-xylene	95		30-150	B
Decachlorobiphenyl	90		30-150	B

Project Name: TROY (WATER STREET) PHASE 1A R**Lab Number:** L2228801**Project Number:** TROY (WATER STREET)**Report Date:** 06/06/22**SAMPLE RESULTS**

Lab ID: L2228801-05
 Client ID: AREA 3 TEST PIT 5
 Sample Location: 8000 MAIN STREET, TROY, NY 12180

Date Collected: 06/01/22 13:00
 Date Received: 06/01/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8151A
 Analytical Date: 06/03/22 20:32
 Analyst: AKM
 Percent Solids: 88%
 TCLP/SPLP Ext. Date: 06/02/22 05:35
 Methylation Date: 06/03/22 09:36

Extraction Method: EPA 8151A
 Extraction Date: 06/03/22 00:05

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Herbicides by EPA 1311 - Westborough Lab							
2,4-D	ND		mg/l	0.025	--	1	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	56		30-150	A
DCAA	54		30-150	B

Project Name: TROY (WATER STREET) PHASE 1A R
Project Number: TROY (WATER STREET)

Lab Number: L2228801
Report Date: 06/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 06/03/22 19:26
 Analyst: AKM
 TCLP/SPLP Extraction Date: 05/31/22 15:23

Extraction Method: EPA 3510C
 Extraction Date: 06/02/22 23:43

Parameter	Result	Qualifier	Units	RL	MDL	Column
TCLP Pesticides by EPA 1311 - Westborough Lab for sample(s): 01-05 Batch: WG1646043-1						
Lindane	ND		ug/l	0.100	--	A
Heptachlor	ND		ug/l	0.100	--	A
Heptachlor epoxide	ND		ug/l	0.100	--	A
Endrin	ND		ug/l	0.200	--	A
Methoxychlor	ND		ug/l	1.00	--	A
Toxaphene	ND		ug/l	1.00	--	A
Chlordane	ND		ug/l	1.00	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	79		30-150	B

Project Name: TROY (WATER STREET) PHASE 1A R
Project Number: TROY (WATER STREET)

Lab Number: L2228801
Report Date: 06/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 06/03/22 18:22
Analyst: AKM
TCLP/SPLP Extraction Date: 05/31/22 15:23
Methylation Date: 06/03/22 09:36

Extraction Method: EPA 8151A
Extraction Date: 06/03/22 00:05

Parameter	Result	Qualifier	Units	RL	MDL	Column
TCLP Herbicides by EPA 1311 - Westborough Lab for sample(s): 01-05 Batch: WG1646050-1						
2,4-D	ND		mg/l	0.025	--	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	57		30-150	A
DCAA	52		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: TROY (WATER STREET) PHASE 1A R

Lab Number: L2228801

Project Number: TROY (WATER STREET)

Report Date: 06/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
TCLP Pesticides by EPA 1311 - Westborough Lab Associated sample(s): 01-05 Batch: WG1646043-2 WG1646043-3									
Lindane	92		96		30-150	5		20	A
Heptachlor	90		93		30-150	3		20	A
Heptachlor epoxide	88		90		30-150	2		20	A
Endrin	88		90		30-150	2		20	A
Methoxychlor	113		115		30-150	2		20	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		90		30-150	A
Decachlorobiphenyl	84		85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	87		90		30-150	B
Decachlorobiphenyl	79		81		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: TROY (WATER STREET) PHASE 1A R
Project Number: TROY (WATER STREET)

Lab Number: L2228801
Report Date: 06/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
TCLP Herbicides by EPA 1311 - Westborough Lab Associated sample(s): 01-05 Batch: WG1646050-2 WG1646050-3									
2,4-D	84		96		30-150	13		25	A
2,4,5-TP (Silvex)	35		40		30-150	13		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	48		57		30-150	A
DCAA	29	Q	32		30-150	B

METALS

Project Name: TROY (WATER STREET) PHASE 1A R
Project Number: TROY (WATER STREET)

Lab Number: L2228801
Report Date: 06/06/22

SAMPLE RESULTS

Lab ID: L2228801-01
 Client ID: AREA 3 TEST PIT 1
 Sample Location: 8000 MAIN STREET, TROY, NY 12180

Date Collected: 06/01/22 11:00
 Date Received: 06/01/22
 Field Prep: Not Specified

Sample Depth: TCLP/SPLP Ext. Date: 06/02/22 05:35
 Matrix: Soil
 Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	--	1	06/05/22 13:24	06/05/22 17:09	EPA 3015	1,6010D	EW
Barium, TCLP	0.527		mg/l	0.500	--	1	06/05/22 13:24	06/05/22 17:09	EPA 3015	1,6010D	EW
Cadmium, TCLP	ND		mg/l	0.100	--	1	06/05/22 13:24	06/05/22 17:09	EPA 3015	1,6010D	EW
Chromium, TCLP	ND		mg/l	0.200	--	1	06/05/22 13:24	06/05/22 17:09	EPA 3015	1,6010D	EW
Lead, TCLP	ND		mg/l	0.500	--	1	06/05/22 13:24	06/05/22 17:09	EPA 3015	1,6010D	EW
Mercury, TCLP	ND		mg/l	0.0010	--	1	06/03/22 17:36	06/03/22 20:38	EPA 7470A	1,7470A	DMB
Selenium, TCLP	ND		mg/l	0.500	--	1	06/05/22 13:24	06/05/22 17:09	EPA 3015	1,6010D	EW
Silver, TCLP	ND		mg/l	0.100	--	1	06/05/22 13:24	06/05/22 17:09	EPA 3015	1,6010D	EW



Project Name: TROY (WATER STREET) PHASE 1A R
Project Number: TROY (WATER STREET)

Lab Number: L2228801
Report Date: 06/06/22

SAMPLE RESULTS

Lab ID: L2228801-02
 Client ID: AREA 3 TEST PIT 2
 Sample Location: 8000 MAIN STREET, TROY, NY 12180

Date Collected: 06/01/22 11:30
 Date Received: 06/01/22
 Field Prep: Not Specified

Sample Depth: TCLP/SPLP Ext. Date: 06/02/22 05:35
 Matrix: Soil
 Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	--	1	06/05/22 13:24	06/05/22 16:56	EPA 3015	1,6010D	EW
Barium, TCLP	0.597		mg/l	0.500	--	1	06/05/22 13:24	06/05/22 16:56	EPA 3015	1,6010D	EW
Cadmium, TCLP	ND		mg/l	0.100	--	1	06/05/22 13:24	06/05/22 16:56	EPA 3015	1,6010D	EW
Chromium, TCLP	ND		mg/l	0.200	--	1	06/05/22 13:24	06/05/22 16:56	EPA 3015	1,6010D	EW
Lead, TCLP	ND		mg/l	0.500	--	1	06/05/22 13:24	06/05/22 16:56	EPA 3015	1,6010D	EW
Mercury, TCLP	ND		mg/l	0.0010	--	1	06/03/22 17:36	06/03/22 20:54	EPA 7470A	1,7470A	DMB
Selenium, TCLP	ND		mg/l	0.500	--	1	06/05/22 13:24	06/05/22 16:56	EPA 3015	1,6010D	EW
Silver, TCLP	ND		mg/l	0.100	--	1	06/05/22 13:24	06/05/22 16:56	EPA 3015	1,6010D	EW



Project Name: TROY (WATER STREET) PHASE 1A R
Project Number: TROY (WATER STREET)

Lab Number: L2228801
Report Date: 06/06/22

SAMPLE RESULTS

Lab ID: L2228801-03
 Client ID: AREA 3 TEST PIT 3
 Sample Location: 8000 MAIN STREET, TROY, NY 12180

Date Collected: 06/01/22 12:00
 Date Received: 06/01/22
 Field Prep: Not Specified

Sample Depth: TCLP/SPLP Ext. Date: 06/02/22 05:35
 Matrix: Soil
 Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	--	1	06/05/22 13:24	06/05/22 17:00	EPA 3015	1,6010D	EW
Barium, TCLP	0.561		mg/l	0.500	--	1	06/05/22 13:24	06/05/22 17:00	EPA 3015	1,6010D	EW
Cadmium, TCLP	ND		mg/l	0.100	--	1	06/05/22 13:24	06/05/22 17:00	EPA 3015	1,6010D	EW
Chromium, TCLP	ND		mg/l	0.200	--	1	06/05/22 13:24	06/05/22 17:00	EPA 3015	1,6010D	EW
Lead, TCLP	ND		mg/l	0.500	--	1	06/05/22 13:24	06/05/22 17:00	EPA 3015	1,6010D	EW
Mercury, TCLP	ND		mg/l	0.0010	--	1	06/03/22 17:36	06/03/22 20:57	EPA 7470A	1,7470A	DMB
Selenium, TCLP	ND		mg/l	0.500	--	1	06/05/22 13:24	06/05/22 17:00	EPA 3015	1,6010D	EW
Silver, TCLP	ND		mg/l	0.100	--	1	06/05/22 13:24	06/05/22 17:00	EPA 3015	1,6010D	EW



Project Name: TROY (WATER STREET) PHASE 1A R
Project Number: TROY (WATER STREET)

Lab Number: L2228801
Report Date: 06/06/22

SAMPLE RESULTS

Lab ID: L2228801-04
 Client ID: AREA 3 TEST PIT 4
 Sample Location: 8000 MAIN STREET, TROY, NY 12180

Date Collected: 06/01/22 12:30
 Date Received: 06/01/22
 Field Prep: Not Specified

Sample Depth: TCLP/SPLP Ext. Date: 06/02/22 05:35
 Matrix: Soil
 Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	--	1	06/05/22 13:24	06/05/22 17:04	EPA 3015	1,6010D	EW
Barium, TCLP	0.607		mg/l	0.500	--	1	06/05/22 13:24	06/05/22 17:04	EPA 3015	1,6010D	EW
Cadmium, TCLP	ND		mg/l	0.100	--	1	06/05/22 13:24	06/05/22 17:04	EPA 3015	1,6010D	EW
Chromium, TCLP	ND		mg/l	0.200	--	1	06/05/22 13:24	06/05/22 17:04	EPA 3015	1,6010D	EW
Lead, TCLP	ND		mg/l	0.500	--	1	06/05/22 13:24	06/05/22 17:04	EPA 3015	1,6010D	EW
Mercury, TCLP	ND		mg/l	0.0010	--	1	06/03/22 17:36	06/03/22 21:01	EPA 7470A	1,7470A	DMB
Selenium, TCLP	ND		mg/l	0.500	--	1	06/05/22 13:24	06/05/22 17:04	EPA 3015	1,6010D	EW
Silver, TCLP	ND		mg/l	0.100	--	1	06/05/22 13:24	06/05/22 17:04	EPA 3015	1,6010D	EW



Project Name: TROY (WATER STREET) PHASE 1A R
Project Number: TROY (WATER STREET)

Lab Number: L2228801
Report Date: 06/06/22

SAMPLE RESULTS

Lab ID: L2228801-05
 Client ID: AREA 3 TEST PIT 5
 Sample Location: 8000 MAIN STREET, TROY, NY 12180

Date Collected: 06/01/22 13:00
 Date Received: 06/01/22
 Field Prep: Not Specified

Sample Depth: TCLP/SPLP Ext. Date: 06/02/22 05:35
 Matrix: Soil
 Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	--	1	06/05/22 13:24	06/05/22 17:49	EPA 3015	1,6010D	EW
Barium, TCLP	ND		mg/l	0.500	--	1	06/05/22 13:24	06/05/22 17:49	EPA 3015	1,6010D	EW
Cadmium, TCLP	ND		mg/l	0.100	--	1	06/05/22 13:24	06/05/22 17:49	EPA 3015	1,6010D	EW
Chromium, TCLP	ND		mg/l	0.200	--	1	06/05/22 13:24	06/05/22 17:49	EPA 3015	1,6010D	EW
Lead, TCLP	ND		mg/l	0.500	--	1	06/05/22 13:24	06/05/22 17:49	EPA 3015	1,6010D	EW
Mercury, TCLP	ND		mg/l	0.0010	--	1	06/03/22 17:36	06/03/22 21:04	EPA 7470A	1,7470A	DMB
Selenium, TCLP	ND		mg/l	0.500	--	1	06/05/22 13:24	06/05/22 17:49	EPA 3015	1,6010D	EW
Silver, TCLP	ND		mg/l	0.100	--	1	06/05/22 13:24	06/05/22 17:49	EPA 3015	1,6010D	EW



Project Name: TROY (WATER STREET) PHASE 1A R

Lab Number: L2228801

Project Number: TROY (WATER STREET)

Report Date: 06/06/22

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01-05 Batch: WG1646268-1										
Arsenic, TCLP	ND		mg/l	1.00	--	1	06/05/22 13:24	06/05/22 16:47	1,6010D	EW
Barium, TCLP	ND		mg/l	0.500	--	1	06/05/22 13:24	06/05/22 16:47	1,6010D	EW
Cadmium, TCLP	ND		mg/l	0.100	--	1	06/05/22 13:24	06/05/22 16:47	1,6010D	EW
Chromium, TCLP	ND		mg/l	0.200	--	1	06/05/22 13:24	06/05/22 16:47	1,6010D	EW
Lead, TCLP	ND		mg/l	0.500	--	1	06/05/22 13:24	06/05/22 16:47	1,6010D	EW
Selenium, TCLP	ND		mg/l	0.500	--	1	06/05/22 13:24	06/05/22 16:47	1,6010D	EW
Silver, TCLP	ND		mg/l	0.100	--	1	06/05/22 13:24	06/05/22 16:47	1,6010D	EW

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 05/31/22 15:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01-05 Batch: WG1646271-1										
Mercury, TCLP	ND		mg/l	0.0010	--	1	06/03/22 17:36	06/03/22 20:31	1,7470A	DMB

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 05/31/22 15:23

Lab Control Sample Analysis

Batch Quality Control

Project Name: TROY (WATER STREET) PHASE 1A R
Project Number: TROY (WATER STREET)

Lab Number: L2228801
Report Date: 06/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-05 Batch: WG1646268-2								
Arsenic, TCLP	105		-		75-125	-		20
Barium, TCLP	98		-		75-125	-		20
Cadmium, TCLP	97		-		75-125	-		20
Chromium, TCLP	97		-		75-125	-		20
Lead, TCLP	95		-		75-125	-		20
Selenium, TCLP	104		-		75-125	-		20
Silver, TCLP	93		-		75-125	-		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-05 Batch: WG1646271-2								
Mercury, TCLP	102		-		80-120	-		

Matrix Spike Analysis

Batch Quality Control

Project Name: TROY (WATER STREET) PHASE 1A R
Project Number: TROY (WATER STREET)

Lab Number: L2228801
Report Date: 06/06/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1646268-3 QC Sample: L2228801-01 Client ID: AREA 3 TEST PIT 1												
Arsenic, TCLP	ND	1.2	1.25	104		-	-		75-125	-		20
Barium, TCLP	0.527	20	19.3	94		-	-		75-125	-		20
Cadmium, TCLP	ND	0.53	0.497	94		-	-		75-125	-		20
Chromium, TCLP	ND	2	1.88	94		-	-		75-125	-		20
Lead, TCLP	ND	5.3	4.98	94		-	-		75-125	-		20
Selenium, TCLP	ND	1.2	1.24	103		-	-		75-125	-		20
Silver, TCLP	ND	0.5	0.455	91		-	-		75-125	-		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1646271-3 QC Sample: L2228801-01 Client ID: AREA 3 TEST PIT 1												
Mercury, TCLP	ND	0.025	0.0243	97		-	-		80-120	-		20

Project Name: TROY (WATER STREET) PHASE 1A R
Project Number: TROY (WATER STREET)

Lab Duplicate Analysis
Batch Quality Control

Lab Number: L2228801
Report Date: 06/06/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1646268-4 QC Sample: L2228801-01 Client ID: AREA 3 TEST PIT 1						
Arsenic, TCLP	ND	ND	mg/l	NC		20
Barium, TCLP	0.527	0.522	mg/l	1		20
Cadmium, TCLP	ND	ND	mg/l	NC		20
Chromium, TCLP	ND	ND	mg/l	NC		20
Lead, TCLP	ND	ND	mg/l	NC		20
Selenium, TCLP	ND	ND	mg/l	NC		20
Silver, TCLP	ND	ND	mg/l	NC		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1646271-4 QC Sample: L2228801-01 Client ID: AREA 3 TEST PIT 1						
Mercury, TCLP	ND	ND	mg/l	NC		20

INORGANICS & MISCELLANEOUS

Project Name: TROY (WATER STREET) PHASE 1A R
Project Number: TROY (WATER STREET)

Lab Number: L2228801
Report Date: 06/06/22

SAMPLE RESULTS

Lab ID: L2228801-01
Client ID: AREA 3 TEST PIT 1
Sample Location: 8000 MAIN STREET, TROY, NY 12180

Date Collected: 06/01/22 11:00
Date Received: 06/01/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material: Unknown
Description of Material: Non-Metallic - Damp Soil
Particle Size: Medium
Preliminary Burning Time (sec): 120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	06/02/22 10:38	1,1030	PA



Project Name: TROY (WATER STREET) PHASE 1A R
Project Number: TROY (WATER STREET)

Lab Number: L2228801
Report Date: 06/06/22

SAMPLE RESULTS

Lab ID: L2228801-02
Client ID: AREA 3 TEST PIT 2
Sample Location: 8000 MAIN STREET, TROY, NY 12180

Date Collected: 06/01/22 11:30
Date Received: 06/01/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material: Unknown
Description of Material: Non-Metallic - Damp Soil
Particle Size: Medium
Preliminary Burning Time (sec): 120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	06/02/22 10:38	1,1030	PA



Project Name: TROY (WATER STREET) PHASE 1A R
Project Number: TROY (WATER STREET)

Lab Number: L2228801
Report Date: 06/06/22

SAMPLE RESULTS

Lab ID: L2228801-03
Client ID: AREA 3 TEST PIT 3
Sample Location: 8000 MAIN STREET, TROY, NY 12180

Date Collected: 06/01/22 12:00
Date Received: 06/01/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material: Unknown
Description of Material: Non-Metallic - Damp Soil
Particle Size: Medium
Preliminary Burning Time (sec): 120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	06/02/22 10:38	1,1030	PA



Project Name: TROY (WATER STREET) PHASE 1A R
Project Number: TROY (WATER STREET)

Lab Number: L2228801
Report Date: 06/06/22

SAMPLE RESULTS

Lab ID: L2228801-04
Client ID: AREA 3 TEST PIT 4
Sample Location: 8000 MAIN STREET, TROY, NY 12180

Date Collected: 06/01/22 12:30
Date Received: 06/01/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material: Unknown
Description of Material: Non-Metallic - Damp Soil
Particle Size: Medium
Preliminary Burning Time (sec): 120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	06/02/22 10:38	1,1030	PA



Project Name: TROY (WATER STREET) PHASE 1A R
Project Number: TROY (WATER STREET)

Lab Number: L2228801
Report Date: 06/06/22

SAMPLE RESULTS

Lab ID: L2228801-05
Client ID: AREA 3 TEST PIT 5
Sample Location: 8000 MAIN STREET, TROY, NY 12180

Date Collected: 06/01/22 13:00
Date Received: 06/01/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material: Unknown
Description of Material: Non-Metallic - Wet Soil
Particle Size: Medium
Preliminary Burning Time (sec): 120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	06/02/22 10:38	1,1030	PA



Project Name: TROY (WATER STREET) PHASE 1A R
Project Number: TROY (WATER STREET)

Lab Number: L2228801
Report Date: 06/06/22

SAMPLE RESULTS

Lab ID: L2228801-01
Client ID: AREA 3 TEST PIT 1
Sample Location: 8000 MAIN STREET, TROY, NY 12180

Date Collected: 06/01/22 11:00
Date Received: 06/01/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.3		%	0.100	NA	1	-	06/02/22 06:33	121,2540G	RI
pH (H)	8.3		SU	-	NA	1	-	06/02/22 20:27	1,9045D	AS
Cyanide, Reactive	ND		mg/kg	10	--	1	06/05/22 12:50	06/05/22 21:22	125,7.3	RM
Sulfide, Reactive	ND		mg/kg	10	--	1	06/05/22 12:50	06/05/22 20:51	125,7.3	RM
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	06/02/22 18:08	1,9095B	AS



Project Name: TROY (WATER STREET) PHASE 1A R
Project Number: TROY (WATER STREET)

Lab Number: L2228801
Report Date: 06/06/22

SAMPLE RESULTS

Lab ID: L2228801-02
Client ID: AREA 3 TEST PIT 2
Sample Location: 8000 MAIN STREET, TROY, NY 12180

Date Collected: 06/01/22 11:30
Date Received: 06/01/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.5		%	0.100	NA	1	-	06/02/22 06:33	121,2540G	RI
pH (H)	8.4		SU	-	NA	1	-	06/02/22 20:27	1,9045D	AS
Cyanide, Reactive	ND		mg/kg	10	--	1	06/05/22 12:50	06/05/22 21:23	125,7.3	RM
Sulfide, Reactive	ND		mg/kg	10	--	1	06/05/22 12:50	06/05/22 20:51	125,7.3	RM
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	06/02/22 18:08	1,9095B	AS



Project Name: TROY (WATER STREET) PHASE 1A R
Project Number: TROY (WATER STREET)

Lab Number: L2228801
Report Date: 06/06/22

SAMPLE RESULTS

Lab ID: L2228801-03
Client ID: AREA 3 TEST PIT 3
Sample Location: 8000 MAIN STREET, TROY, NY 12180

Date Collected: 06/01/22 12:00
Date Received: 06/01/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.7		%	0.100	NA	1	-	06/02/22 06:33	121,2540G	RI
pH (H)	8.3		SU	-	NA	1	-	06/02/22 20:27	1,9045D	AS
Cyanide, Reactive	ND		mg/kg	10	--	1	06/05/22 12:50	06/05/22 21:23	125,7.3	RM
Sulfide, Reactive	ND		mg/kg	10	--	1	06/05/22 12:50	06/05/22 20:51	125,7.3	RM
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	06/02/22 18:08	1,9095B	AS



Project Name: TROY (WATER STREET) PHASE 1A R
Project Number: TROY (WATER STREET)

Lab Number: L2228801
Report Date: 06/06/22

SAMPLE RESULTS

Lab ID: L2228801-04
Client ID: AREA 3 TEST PIT 4
Sample Location: 8000 MAIN STREET, TROY, NY 12180

Date Collected: 06/01/22 12:30
Date Received: 06/01/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.4		%	0.100	NA	1	-	06/02/22 06:33	121,2540G	RI
pH (H)	8.0		SU	-	NA	1	-	06/02/22 20:27	1,9045D	AS
Cyanide, Reactive	ND		mg/kg	10	--	1	06/05/22 12:50	06/05/22 21:24	125,7.3	RM
Sulfide, Reactive	ND		mg/kg	10	--	1	06/05/22 12:50	06/05/22 20:51	125,7.3	RM
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	06/02/22 18:08	1,9095B	AS



Project Name: TROY (WATER STREET) PHASE 1A R
Project Number: TROY (WATER STREET)

Lab Number: L2228801
Report Date: 06/06/22

SAMPLE RESULTS

Lab ID: L2228801-05
Client ID: AREA 3 TEST PIT 5
Sample Location: 8000 MAIN STREET, TROY, NY 12180

Date Collected: 06/01/22 13:00
Date Received: 06/01/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.4		%	0.100	NA	1	-	06/02/22 06:33	121,2540G	RI
pH (H)	9.6		SU	-	NA	1	-	06/02/22 20:27	1,9045D	AS
Cyanide, Reactive	ND		mg/kg	10	--	1	06/05/22 12:50	06/05/22 21:25	125,7.3	RM
Sulfide, Reactive	ND		mg/kg	10	--	1	06/05/22 12:50	06/05/22 20:53	125,7.3	RM
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	06/02/22 18:08	1,9095B	AS



Project Name: TROY (WATER STREET) PHASE 1A R
Project Number: TROY (WATER STREET)

Lab Number: L2228801
Report Date: 06/06/22

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-05 Batch: WG1646779-1										
Sulfide, Reactive	ND		mg/kg	10	--	1	06/05/22 12:50	06/05/22 20:43	125,7.3	RM
General Chemistry - Westborough Lab for sample(s): 01-05 Batch: WG1646783-1										
Cyanide, Reactive	ND		mg/kg	10	--	1	06/05/22 12:50	06/05/22 21:16	125,7.3	RM

Lab Control Sample Analysis**Batch Quality Control****Project Name:** TROY (WATER STREET) PHASE 1A R**Lab Number:** L2228801**Project Number:** TROY (WATER STREET)**Report Date:** 06/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-05 Batch: WG1645488-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01-05 Batch: WG1646779-2								
Sulfide, Reactive	114		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01-05 Batch: WG1646783-2								
Cyanide, Reactive	81		-		30-125	-		40

Project Name: TROY (WATER STREET) PHASE 1A R
Project Number: TROY (WATER STREET)

Lab Duplicate Analysis
Batch Quality Control

Lab Number: L2228801
Report Date: 06/06/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG1645488-2 QC Sample: L2227571-01 Client ID: DUP Sample						
pH	5.9	6.0	SU	2		5
General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG1645545-1 QC Sample: L2228568-01 Client ID: DUP Sample						
Solids, Total	90.2	90.5	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG1646779-3 QC Sample: L2228640-02 Client ID: DUP Sample						
Sulfide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG1646783-3 QC Sample: L2228640-02 Client ID: DUP Sample						
Cyanide, Reactive	ND	ND	mg/kg	NC		40

Project Name: TROY (WATER STREET) PHASE 1A R**Lab Number:** L2228801**Project Number:** TROY (WATER STREET)**Report Date:** 06/06/22**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2228801-01A	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2228801-01B	Glass 120ml/4oz unpreserved	A	NA		3.6	Y	Absent		IGNIT-1030(14),REACTS(14),PH-9045(1),PAINTF(),REACTCN(14),NYTCL-8082(365)
L2228801-01C	Vial Large Septa unpreserved (4oz)	A	NA		3.6	Y	Absent		TCLP-EXT-ZHE(14)
L2228801-01D	Glass 500ml/16oz unpreserved	A	NA		3.6	Y	Absent		IGNIT-1030(14),REACTS(14),PH-9045(1),PAINTF(),REACTCN(14),NYTCL-8082(365)
L2228801-01W	Amber 1000ml unpreserved Extracts	A	NA		3.6	Y	Absent		TCLP-8270(14),HERB-TCLP*(14),PEST-TCLP*(14)
L2228801-01X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.6	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),SE-CI(180),CR-CI(180),AG-CI(180)
L2228801-01X9	Tumble Vessel	A	NA		3.6	Y	Absent		-
L2228801-01Y	Vial unpreserved Extracts	A	NA		3.6	Y	Absent		TCLP-VOA(14)
L2228801-01Z	Vial unpreserved Extracts	A	NA		3.6	Y	Absent		TCLP-VOA(14)
L2228801-02A	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2228801-02B	Glass 120ml/4oz unpreserved	A	NA		3.6	Y	Absent		IGNIT-1030(14),REACTS(14),PH-9045(1),PAINTF(),NYTCL-8082(365),REACTCN(14)
L2228801-02C	Vial Large Septa unpreserved (4oz)	A	NA		3.6	Y	Absent		TCLP-EXT-ZHE(14)
L2228801-02D	Glass 500ml/16oz unpreserved	A	NA		3.6	Y	Absent		IGNIT-1030(14),REACTS(14),PH-9045(1),PAINTF(),NYTCL-8082(365),REACTCN(14)
L2228801-02W	Amber 1000ml unpreserved Extracts	A	NA		3.6	Y	Absent		TCLP-8270(14),HERB-TCLP*(14),PEST-TCLP*(14)
L2228801-02X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.6	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),SE-CI(180),CR-CI(180),AG-CI(180)
L2228801-02X9	Tumble Vessel	A	NA		3.6	Y	Absent		-
L2228801-02Y	Vial unpreserved Extracts	A	NA		3.6	Y	Absent		TCLP-VOA(14)

Project Name: TROY (WATER STREET) PHASE 1A R**Lab Number:** L2228801**Project Number:** TROY (WATER STREET)**Report Date:** 06/06/22**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2228801-02Z	Vial unpreserved Extracts	A	NA		3.6	Y	Absent		TCLP-VOA(14)
L2228801-03A	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2228801-03B	Glass 120ml/4oz unpreserved	A	NA		3.6	Y	Absent		IGNIT-1030(14),REACTS(14),PH-9045(1),PAINTF(),NYTCL-8082(365),REACTCN(14)
L2228801-03C	Vial Large Septa unpreserved (4oz)	A	NA		3.6	Y	Absent		TCLP-EXT-ZHE(14)
L2228801-03D	Glass 500ml/16oz unpreserved	A	NA		3.6	Y	Absent		IGNIT-1030(14),REACTS(14),PH-9045(1),PAINTF(),NYTCL-8082(365),REACTCN(14)
L2228801-03W	Amber 1000ml unpreserved Extracts	A	NA		3.6	Y	Absent		TCLP-8270(14),PEST-TCLP*(14),HERB-TCLP*(14)
L2228801-03X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.6	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),SE-CI(180),CR-CI(180),AG-CI(180)
L2228801-03X9	Tumble Vessel	A	NA		3.6	Y	Absent		-
L2228801-03Y	Vial unpreserved Extracts	A	NA		3.6	Y	Absent		TCLP-VOA(14)
L2228801-03Z	Vial unpreserved Extracts	A	NA		3.6	Y	Absent		TCLP-VOA(14)
L2228801-04A	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2228801-04B	Glass 120ml/4oz unpreserved	A	NA		3.6	Y	Absent		REACTS(14),IGNIT-1030(14),PH-9045(1),PAINTF(),NYTCL-8082(365),REACTCN(14)
L2228801-04C	Vial Large Septa unpreserved (4oz)	A	NA		3.6	Y	Absent		TCLP-EXT-ZHE(14)
L2228801-04D	Glass 500ml/16oz unpreserved	A	NA		3.6	Y	Absent		REACTS(14),IGNIT-1030(14),PH-9045(1),PAINTF(),NYTCL-8082(365),REACTCN(14)
L2228801-04W	Amber 1000ml unpreserved Extracts	A	NA		3.6	Y	Absent		TCLP-8270(14),HERB-TCLP*(14),PEST-TCLP*(14)
L2228801-04X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.6	Y	Absent		CD-CI(180),BA-CI(180),AS-CI(180),HG-C(28),PB-CI(180),SE-CI(180),CR-CI(180),AG-CI(180)
L2228801-04X9	Tumble Vessel	A	NA		3.6	Y	Absent		-
L2228801-04Y	Vial unpreserved Extracts	A	NA		3.6	Y	Absent		TCLP-VOA(14)
L2228801-04Z	Vial unpreserved Extracts	A	NA		3.6	Y	Absent		TCLP-VOA(14)
L2228801-05A	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2228801-05B	Glass 120ml/4oz unpreserved	A	NA		3.6	Y	Absent		IGNIT-1030(14),REACTS(14),PH-9045(1),PAINTF(),NYTCL-8082(365),REACTCN(14)
L2228801-05C	Vial Large Septa unpreserved (4oz)	A	NA		3.6	Y	Absent		TCLP-EXT-ZHE(14)

Project Name: TROY (WATER STREET) PHASE 1A R**Lab Number:** L2228801**Project Number:** TROY (WATER STREET)**Report Date:** 06/06/22**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2228801-05D	Glass 500ml/16oz unpreserved	A	NA		3.6	Y	Absent		IGNIT-1030(14),REACTS(14),PH-9045(1),PAINTF(),NYTCL-8082(365),REACTCN(14)
L2228801-05W	Amber 1000ml unpreserved Extracts	A	NA		3.6	Y	Absent		TCLP-8270(14),PEST-TCLP*(14),HERB-TCLP*(14)
L2228801-05X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.6	Y	Absent		CD-CI(180),BA-CI(180),AS-CI(180),HG-C(28),PB-CI(180),SE-CI(180),CR-CI(180),AG-CI(180)
L2228801-05X9	Tumble Vessel	A	NA		3.6	Y	Absent		-
L2228801-05Y	Vial unpreserved Extracts	A	NA		3.6	Y	Absent		TCLP-VOA(14)
L2228801-05Z	Vial unpreserved Extracts	A	NA		3.6	Y	Absent		TCLP-VOA(14)

Project Name: TROY (WATER STREET) PHASE 1A R
Project Number: TROY (WATER STREET)

Lab Number: L2228801
Report Date: 06/06/22

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: Data Usability Report



Project Name: TROY (WATER STREET) PHASE 1A R
Project Number: TROY (WATER STREET)

Lab Number: L2228801
Report Date: 06/06/22

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the reporting limit (RL) for the sample.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where

Report Format: Data Usability Report



Project Name: TROY (WATER STREET) PHASE 1A R
Project Number: TROY (WATER STREET)

Lab Number: L2228801
Report Date: 06/06/22

Data Qualifiers

the identification is based on a mass spectral library search.

- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: TROY (WATER STREET) PHASE 1A R
Project Number: TROY (WATER STREET)

Lab Number: L2228801
Report Date: 06/06/22

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.
- 125 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates IIIA, April 1998.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Alpha Analytical, Inc.Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

Revision 19

Published Date: 4/2/2021 1:14:23 PM

Page 1 of 1

Certification Information**The following analytes are not included in our Primary NELAP Scope of Accreditation:****Westborough Facility****EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 625/625.1:** alpha-Terpineol**EPA 8260C/8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D/8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B**The following analytes are included in our Massachusetts DEP Scope of Accreditation****Westborough Facility:****Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,****SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.****EPA 522, EPA 537.1.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1 Hg.****SM2340B**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

 NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193 Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288		Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105		Page 1 1 of 1		Date Rec'd in Lab 6/2/22		ALPHA Job # L 2228801									
		Project Information Project Name: Troy (Water Street) Phase 1A Remediation Project Location: 8000 Main Street, Troy, NY 12180 Project # (Use Project name as Project #) ☒		Deliverables ☐ ASP-A ☐ ASP-B ☐ EQUIS (1 File) ☐ EQUIS (4 File) ☐ Other		Billing Information ☐ Same as Client Info PO #											
Client Information Client: LAND Remediation Address: 74 Hudson River Road, Waterford, NY 12188 Phone: 203.233.4100 Fax: Email: jlb@land-remediation.com		Project Manager: Jonathan Borrelli ALPHAQuote #: Turn-Around Time Standard ☐ Due Date: Rush (only if pre approved) ☐ # of Days: 3 Day		Regulatory Requirement ☐ NY TOGS ☐ NY Part 375 ☐ AWQ Standards ☐ NY CP-51 ☐ NY Restricted Use ☐ Other ☐ NY Unrestricted Use ☐ NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: ☐ NJ ☒ NY ☐ Other:											
These samples have been previously analyzed by Alpha ☐ Other project specific requirements/comments: ONLY REPORT MAXIMUM TCL PCBs QUANTITY TO 1 PPM. Please specify Metals or TAL.						ANALYSIS Total Solids - SM2540 TCLP Complete Analysis Hazardous Waste Characterization Paint Filter Test TCL PCBs-EPA8082A		Sample Filtration ☐ Done ☐ Lab to do ☐ Lab to do (Please Specify below) Sample Specific Comments									
ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date Time	Sample Matrix	Sampler's Initials	Total Solids - SM2540	TCLP Complete Analysis	Hazardous Waste Characterization	Paint Filter Test	TCL PCBs-EPA8082A								
28801 - 01	Area 3 Test Pit 1	6.1.2022 11:00	Soil	JC	X	X	X	X	X								
02	Area 3 Test Pit 2	6.1.2022 11:30	Soil	JC	X	X	X	X	X								
03	Area 3 Test Pit 3	6.1.2022 12:00	Soil	JC	X	X	X	X	X								
04	Area 3 Test Pit 4	6.1.2022 12:30	Soil	JC	X	X	X	X	X								
05	Area 3 Test Pit 5	6.1.2022 13:00	Soil	JC	X	X	X	X	X								
Preservative Code:		Container Code		Westboro: Certification No: MA935		Container Type		Preservative		Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS.							
A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other		P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Mansfield: Certification No: MA015		G G G G G											
Relinquished By:		Date/Time		Received By:		Date/Time											
Jon Castle		6.1.2022 / 6:30 PM		Secured Storage		6/1/22 18:30											
Secured Storage		6/1/22 21:40		Secured Storage		6/1/22 21:40											
Secured Storage		6/1/22 21:40		Secured Storage		6/2/22 00:30											

JOB: L2231917 REPORT STYLE: Data Usability Report
0010: Alpha Analytical Report Cover Page - OK
0015: Sample Cross Reference Summary - OK
0060: Case Narrative - OK
0100: Volatiles Cover Page - OK
0110: Volatiles Sample Results - OK
0120: Volatiles Method Blank Report - OK
0130: Volatiles LCS Report - OK
0180: Semivolatiles Cover Page - OK
0190: Semivolatiles Sample Results - OK
0200: Semivolatiles Method Blank Report - OK
0210: Semivolatiles LCS Report - OK
0400: Petroleum Cover Page - OK
0410: Petroleum Sample Results - OK
0420: Petroleum Method Blank Report - OK
0430: Petroleum LCS Report - OK
0450: Petroleum Matrix Spike Report - OK
0460: Petroleum Duplicate Report - OK
0700: PCBs Cover Page - OK
0710: PCBs Sample Results - OK
0720: PCBs Method Blank Report - OK
0730: PCBs LCS Report - OK
0900: Pesticides Cover Page - OK
0910: Pesticides Sample Results - OK
0920: Pesticides Method Blank Report - OK
0930: Pesticides LCS Report - OK
1005: Metals Sample Results - OK
1010: Metals Method Blank Report - OK
1020: Metals LCS Report - OK
1040: Metals Matrix Spike Report - OK
1050: Metals Duplicate Report - OK
1180: Inorganics Cover Page - OK
1190: Ignitability Results - OK
1200: Wet Chemistry Sample Results - OK
1210: Wet Chemistry Method Blank Report - OK
1220: Wet Chemistry LCS Report - OK
1240: Wet Chemistry Matrix Spike Report - OK
1250: Wet Chemistry Duplicate Report - OK
5100: Sample Receipt & Container Information Report - OK
5200: Glossary - OK
Too many rows. We are stopping the contents here.

No results found for sample L2231917-11 for product HG-T



ANALYTICAL REPORT

Lab Number:	L2231917
Client:	Land Remediation, Inc. 74 Hudson River Road Waterford, NY 12188
ATTN:	Jonathan Borrelli
Phone:	(203) 233-4100
Project Name:	TROY (WATER STREET) PHASE 1A
Project Number:	TROY (WATER STREET)
Report Date:	06/20/22

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: TROY (WATER STREET) PHASE 1A
Project Number: TROY (WATER STREET)

Lab Number: L2231917
Report Date: 06/20/22

REFER TO SAMPLE IDs 01-10 FOR AREA 2 DATA

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2231917-01	AREA 2A TEST PIT 1	SOIL	TROY, NEW YORK 12047	06/15/22 11:00	06/15/22
L2231917-02	AREA 2A TEST PIT 2	SOIL	TROY, NEW YORK 12047	06/15/22 11:15	06/15/22
L2231917-03	AREA 2A TEST PIT 3	SOIL	TROY, NEW YORK 12047	06/15/22 11:30	06/15/22
L2231917-04	AREA 2A TEST PIT 4	SOIL	TROY, NEW YORK 12047	06/15/22 11:45	06/15/22
L2231917-05	AREA 2A TEST PIT 5	SOIL	TROY, NEW YORK 12047	06/15/22 12:00	06/15/22
L2231917-06	AREA 2A TEST PIT 6	SOIL	TROY, NEW YORK 12047	06/15/22 12:15	06/15/22
L2231917-07	AREA 2A TEST PIT 7	SOIL	TROY, NEW YORK 12047	06/15/22 12:30	06/15/22
L2231917-08	AREA 2 ISS TEST PIT 1	SOIL	TROY, NEW YORK 12047	06/15/22 12:45	06/15/22
L2231917-09	AREA 2 ISS TEST PIT 2	SOIL	TROY, NEW YORK 12047	06/15/22 13:00	06/15/22
L2231917-10	AREA 2 ISS TEST PIT 3	SOIL	TROY, NEW YORK 12047	06/15/22 13:15	06/15/22
L2231917-11	AREA 2 TAR MATERIAL	SOIL	TROY, NEW YORK 12047	06/15/22 15:00	06/15/22

CLIENT ID IS INCORRECT, REFER TO CHAIN OF
CUSTODY. THIS IS AREA 3 TAR MATERIAL

Project Name: TROY (WATER STREET) PHASE 1A
Project Number: TROY (WATER STREET)

Lab Number: L2231917
Report Date: 06/20/22

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: TROY (WATER STREET) PHASE 1A
Project Number: TROY (WATER STREET)

Lab Number: L2231917
Report Date: 06/20/22

Case Narrative (continued)

Report Submission

June 20, 2022: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

L2231917-11: The sample was not appropriately preserved for the analysis of Volatile Organics-High Level. The methanol was not covering the soil. Please note: This vial was not utilized for analysis.

Semivolatile Organics

L2231917-11: The sample has elevated detection limits due to the limited sample volume utilized during extraction, as required by the sample matrix.

Diesel Range Organics

The WG1651740-3 Laboratory Duplicate RPD for dro (c10-c28) (82%), performed on L2231917-11, is outside the acceptance criteria. The elevated RPD has been attributed to the non-homogeneous nature of the native sample.

Total Metals

L2231917-11: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

The WG1651830-1 Method Blank, associated with L2231917-11, has a concentration above the reporting limit for iron. Since the associated sample concentrations are either greater than 10x the blank concentration or non-detect to the RL for this target analyte, no corrective action is required. Any results detected below the reporting limit are qualified with a "B".

Project Name: TROY (WATER STREET) PHASE 1A
Project Number: TROY (WATER STREET)

Lab Number: L2231917
Report Date: 06/20/22

Case Narrative (continued)

Cyanide, Total

The WG1651957-2 LCS recovery for cyanide, total (61%), associated with L2231917-11, is outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported. The LCS/LCSD RPD is above the acceptance criteria for cyanide, total (45%).

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Kelly Stenstrom

Title: Technical Director/Representative

Date: 06/20/22

ORGANICS

VOLATILES

Project Name: TROY (WATER STREET) PHASE 1A**Lab Number:** L2231917**Project Number:** TROY (WATER STREET)**Report Date:** 06/20/22**SAMPLE RESULTS**

Lab ID: L2231917-01
 Client ID: AREA 2A TEST PIT 1
 Sample Location: TROY, NEW YORK 12047

Date Collected: 06/15/22 11:00
 Date Received: 06/15/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 06/19/22 07:18
 Analyst: MM
 Percent Solids: 91%
 TCLP/SPLP Ext. Date: 06/17/22 11:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	92		70-130
dibromofluoromethane	119		70-130

Project Name: TROY (WATER STREET) PHASE 1A**Lab Number:** L2231917**Project Number:** TROY (WATER STREET)**Report Date:** 06/20/22**SAMPLE RESULTS**

Lab ID: L2231917-02
 Client ID: AREA 2A TEST PIT 2
 Sample Location: TROY, NEW YORK 12047

Date Collected: 06/15/22 11:15
 Date Received: 06/15/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 06/19/22 07:42
 Analyst: MM
 Percent Solids: 93%
 TCLP/SPLP Ext. Date: 06/17/22 11:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	91		70-130
dibromofluoromethane	120		70-130

Project Name: TROY (WATER STREET) PHASE 1A**Lab Number:** L2231917**Project Number:** TROY (WATER STREET)**Report Date:** 06/20/22**SAMPLE RESULTS**

Lab ID: L2231917-03
 Client ID: AREA 2A TEST PIT 3
 Sample Location: TROY, NEW YORK 12047

Date Collected: 06/15/22 11:30
 Date Received: 06/15/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 06/19/22 08:06
 Analyst: MM
 Percent Solids: 96%
 TCLP/SPLP Ext. Date: 06/17/22 11:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	94		70-130
dibromofluoromethane	122		70-130

Project Name: TROY (WATER STREET) PHASE 1A**Lab Number:** L2231917**Project Number:** TROY (WATER STREET)**Report Date:** 06/20/22**SAMPLE RESULTS**

Lab ID: L2231917-04
 Client ID: AREA 2A TEST PIT 4
 Sample Location: TROY, NEW YORK 12047

Date Collected: 06/15/22 11:45
 Date Received: 06/15/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 06/19/22 08:30
 Analyst: MM
 Percent Solids: 90%
 TCLP/SPLP Ext. Date: 06/17/22 11:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	93		70-130
dibromofluoromethane	121		70-130

Project Name: TROY (WATER STREET) PHASE 1A**Lab Number:** L2231917**Project Number:** TROY (WATER STREET)**Report Date:** 06/20/22**SAMPLE RESULTS**

Lab ID: L2231917-05
 Client ID: AREA 2A TEST PIT 5
 Sample Location: TROY, NEW YORK 12047

Date Collected: 06/15/22 12:00
 Date Received: 06/15/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 06/19/22 08:54
 Analyst: MM
 Percent Solids: 93%
 TCLP/SPLP Ext. Date: 06/17/22 11:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	93		70-130
dibromofluoromethane	121		70-130

Project Name: TROY (WATER STREET) PHASE 1A**Lab Number:** L2231917**Project Number:** TROY (WATER STREET)**Report Date:** 06/20/22**SAMPLE RESULTS**

Lab ID: L2231917-06
 Client ID: AREA 2A TEST PIT 6
 Sample Location: TROY, NEW YORK 12047

Date Collected: 06/15/22 12:15
 Date Received: 06/15/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 06/19/22 09:18
 Analyst: MM
 Percent Solids: 91%
 TCLP/SPLP Ext. Date: 06/17/22 11:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	92		70-130
dibromofluoromethane	123		70-130

Project Name: TROY (WATER STREET) PHASE 1A**Lab Number:** L2231917**Project Number:** TROY (WATER STREET)**Report Date:** 06/20/22**SAMPLE RESULTS**

Lab ID: L2231917-07
 Client ID: AREA 2A TEST PIT 7
 Sample Location: TROY, NEW YORK 12047

Date Collected: 06/15/22 12:30
 Date Received: 06/15/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 06/19/22 09:42
 Analyst: MM
 Percent Solids: 92%
 TCLP/SPLP Ext. Date: 06/17/22 11:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	120		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	94		70-130
dibromofluoromethane	122		70-130

Project Name: TROY (WATER STREET) PHASE 1A**Lab Number:** L2231917**Project Number:** TROY (WATER STREET)**Report Date:** 06/20/22**SAMPLE RESULTS**

Lab ID: L2231917-08
 Client ID: AREA 2 ISS TEST PIT 1
 Sample Location: TROY, NEW YORK 12047

Date Collected: 06/15/22 12:45
 Date Received: 06/15/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 06/19/22 10:07
 Analyst: MM
 Percent Solids: 88%
 TCLP/SPLP Ext. Date: 06/17/22 11:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	94		70-130
dibromofluoromethane	122		70-130

Project Name: TROY (WATER STREET) PHASE 1A**Lab Number:** L2231917**Project Number:** TROY (WATER STREET)**Report Date:** 06/20/22**SAMPLE RESULTS**

Lab ID: L2231917-09
 Client ID: AREA 2 ISS TEST PIT 2
 Sample Location: TROY, NEW YORK 12047

Date Collected: 06/15/22 13:00
 Date Received: 06/15/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 06/19/22 10:31
 Analyst: MM
 Percent Solids: 88%
 TCLP/SPLP Ext. Date: 06/17/22 11:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	121		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	93		70-130
dibromofluoromethane	123		70-130

Project Name: TROY (WATER STREET) PHASE 1A**Lab Number:** L2231917**Project Number:** TROY (WATER STREET)**Report Date:** 06/20/22**SAMPLE RESULTS**

Lab ID: L2231917-10
 Client ID: AREA 2 ISS TEST PIT 3
 Sample Location: TROY, NEW YORK 12047

Date Collected: 06/15/22 13:15
 Date Received: 06/15/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 06/19/22 10:55
 Analyst: MM
 Percent Solids: 89%
 TCLP/SPLP Ext. Date: 06/17/22 11:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	94		70-130
dibromofluoromethane	123		70-130

Project Name: TROY (WATER STREET) PHASE 1A
Project Number: TROY (WATER STREET)

Lab Number: L2231917
Report Date: 06/20/22

SAMPLE RESULTS

Lab ID: L2231917-11
Client ID: AREA 2 TAR MATERIAL
Sample Location: TROY, NEW YORK 12047

Date Collected: 06/15/22 15:00
Date Received: 06/15/22
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/19/22 11:20
Analyst: MM
Percent Solids: 92%
TCLP/SPLP Ext. Date: 06/17/22 12:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

TCLP Volatiles by EPA 1311 - Westborough Lab						

Benzene	ND		ug/l	5.0	1.6	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	122		70-130

Project Name: TROY (WATER STREET) PHASE 1A
Project Number: TROY (WATER STREET)

Lab Number: L2231917
Report Date: 06/20/22

SAMPLE RESULTS

Lab ID: L2231917-11
Client ID: AREA 2 TAR MATERIAL
Sample Location: TROY, NEW YORK 12047

Date Collected: 06/15/22 15:00
Date Received: 06/15/22
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/20/22 09:12
Analyst: JC
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.1	2.8	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.18	1
Chloroform	ND		ug/kg	1.8	0.17	1
Carbon tetrachloride	ND		ug/kg	1.2	0.28	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.15	1
Dibromochloromethane	ND		ug/kg	1.2	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.32	1
Tetrachloroethene	ND		ug/kg	0.61	0.24	1
Chlorobenzene	ND		ug/kg	0.61	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.9	0.85	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.31	1
1,1,1-Trichloroethane	ND		ug/kg	0.61	0.20	1
Bromodichloromethane	ND		ug/kg	0.61	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.33	1
cis-1,3-Dichloropropene	ND		ug/kg	0.61	0.19	1
Bromoform	ND		ug/kg	4.9	0.30	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.61	0.20	1
Benzene	68		ug/kg	0.61	0.20	1
Toluene	170		ug/kg	1.2	0.66	1
Ethylbenzene	40		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	4.9	1.1	1
Bromomethane	ND		ug/kg	2.4	0.71	1
Vinyl chloride	ND		ug/kg	1.2	0.41	1
Chloroethane	ND		ug/kg	2.4	0.55	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.29	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.17	1
Trichloroethene	ND		ug/kg	0.61	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	2.4	0.18	1

Project Name: TROY (WATER STREET) PHASE 1A**Lab Number:** L2231917**Project Number:** TROY (WATER STREET)**Report Date:** 06/20/22**SAMPLE RESULTS****Lab ID:** L2231917-11**Date Collected:** 06/15/22 15:00**Client ID:** AREA 2 TAR MATERIAL**Date Received:** 06/15/22**Sample Location:** TROY, NEW YORK 12047**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.4	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	2.4	0.21	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.24	1
p/m-Xylene	260		ug/kg	2.4	0.68	1
o-Xylene	99		ug/kg	1.2	0.35	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.21	1
Styrene	3.3		ug/kg	1.2	0.24	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	7.2	J	ug/kg	12	5.9	1
Carbon disulfide	ND		ug/kg	12	5.6	1
2-Butanone	ND		ug/kg	12	2.7	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.6	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.4	0.25	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.34	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.6	1.2	1
Isopropylbenzene	17		ug/kg	1.2	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.4	0.39	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.4	0.33	1
Methyl Acetate	ND		ug/kg	4.9	1.2	1
Cyclohexane	ND		ug/kg	12	0.66	1
1,4-Dioxane	ND		ug/kg	98	43.	1
Freon-113	ND		ug/kg	4.9	0.84	1
Methyl cyclohexane	0.78	J	ug/kg	4.9	0.74	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	98		70-130

Project Name: TROY (WATER STREET) PHASE 1A
Project Number: TROY (WATER STREET)

Lab Number: L2231917
Report Date: 06/20/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 06/19/22 06:05
 Analyst: MM
 TCLP/SPLP Extraction Date: 06/17/22 11:30

Extraction Date: 06/17/22 11:30

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Volatiles by EPA 1311 - Westborough Lab for sample(s): 01-11 Batch: WG1652714-5					
Chloroform	ND		ug/l	7.5	2.2
Carbon tetrachloride	ND		ug/l	5.0	1.3
Tetrachloroethene	2.8	J	ug/l	5.0	1.8
Chlorobenzene	ND		ug/l	5.0	1.8
1,2-Dichloroethane	ND		ug/l	5.0	1.3
Benzene	ND		ug/l	5.0	1.6
Vinyl chloride	ND		ug/l	10	0.71
1,1-Dichloroethene	ND		ug/l	5.0	1.7
Trichloroethene	1.8	J	ug/l	5.0	1.8
1,4-Dichlorobenzene	ND		ug/l	25	1.9
2-Butanone	ND		ug/l	50	19.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	95		70-130
dibromofluoromethane	113		70-130

Project Name: TROY (WATER STREET) PHASE 1A**Lab Number:** L2231917**Project Number:** TROY (WATER STREET)**Report Date:** 06/20/22

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 06/20/22 08:46
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 11 Batch: WG1652895-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	0.80	J	ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15

Project Name: TROY (WATER STREET) PHASE 1A**Lab Number:** L2231917**Project Number:** TROY (WATER STREET)**Report Date:** 06/20/22

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 06/20/22 08:46

Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 11 Batch: WG1652895-5					
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Isopropylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
Methyl Acetate	ND		ug/kg	4.0	0.95
Cyclohexane	ND		ug/kg	10	0.54
1,4-Dioxane	ND		ug/kg	80	35.
Freon-113	ND		ug/kg	4.0	0.69
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Project Name: TROY (WATER STREET) PHASE 1A**Lab Number:** L2231917**Project Number:** TROY (WATER STREET)**Report Date:** 06/20/22**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 06/20/22 08:46

Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 11 Batch: WG1652895-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	99		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: TROY (WATER STREET) PHASE 1A

Lab Number: L2231917

Project Number: TROY (WATER STREET)

Report Date: 06/20/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Volatiles by EPA 1311 - Westborough Lab Associated sample(s): 01-11 Batch: WG1652714-3 WG1652714-4								
Chloroform	110		110		70-130	0		20
Carbon tetrachloride	110		110		63-132	0		20
Tetrachloroethene	110		110		70-130	0		20
Chlorobenzene	100		100		75-130	0		25
1,2-Dichloroethane	99		100		70-130	1		20
Benzene	100		100		70-130	0		25
Vinyl chloride	110		110		55-140	0		20
1,1-Dichloroethene	100		100		61-145	0		25
Trichloroethene	110		110		70-130	0		25
1,4-Dichlorobenzene	100		100		70-130	0		20
2-Butanone	100		98		63-138	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	106		102		70-130
Toluene-d8	103		101		70-130
4-Bromofluorobenzene	85		89		70-130
dibromofluoromethane	110		107		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: TROY (WATER STREET) PHASE 1A

Lab Number: L2231917

Project Number: TROY (WATER STREET)

Report Date: 06/20/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 11 Batch: WG1652895-3 WG1652895-4								
Methylene chloride	78		74		70-130	5		30
1,1-Dichloroethane	88		84		70-130	5		30
Chloroform	86		80		70-130	7		30
Carbon tetrachloride	89		86		70-130	3		30
1,2-Dichloropropane	85		82		70-130	4		30
Dibromochloromethane	87		85		70-130	2		30
1,1,2-Trichloroethane	81		80		70-130	1		30
Tetrachloroethene	91		89		70-130	2		30
Chlorobenzene	86		84		70-130	2		30
Trichlorofluoromethane	95		92		70-139	3		30
1,2-Dichloroethane	84		82		70-130	2		30
1,1,1-Trichloroethane	85		83		70-130	2		30
Bromodichloromethane	79		76		70-130	4		30
trans-1,3-Dichloropropene	83		81		70-130	2		30
cis-1,3-Dichloropropene	85		83		70-130	2		30
Bromoform	82		81		70-130	1		30
1,1,2,2-Tetrachloroethane	79		76		70-130	4		30
Benzene	88		85		70-130	3		30
Toluene	85		83		70-130	2		30
Ethylbenzene	85		82		70-130	4		30
Chloromethane	70		66		52-130	6		30
Bromomethane	162	Q	157	Q	57-147	3		30
Vinyl chloride	110		104		67-130	6		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: TROY (WATER STREET) PHASE 1A

Lab Number: L2231917

Project Number: TROY (WATER STREET)

Report Date: 06/20/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 11 Batch: WG1652895-3 WG1652895-4								
Chloroethane	94		90		50-151	4		30
1,1-Dichloroethene	89		85		65-135	5		30
trans-1,2-Dichloroethene	89		86		70-130	3		30
Trichloroethene	85		81		70-130	5		30
1,2-Dichlorobenzene	84		83		70-130	1		30
1,3-Dichlorobenzene	86		84		70-130	2		30
1,4-Dichlorobenzene	86		84		70-130	2		30
Methyl tert butyl ether	86		83		66-130	4		30
p/m-Xylene	87		85		70-130	2		30
o-Xylene	86		84		70-130	2		30
cis-1,2-Dichloroethene	87		84		70-130	4		30
Styrene	86		85		70-130	1		30
Dichlorodifluoromethane	80		75		30-146	6		30
Acetone	101		92		54-140	9		30
Carbon disulfide	84		81		59-130	4		30
2-Butanone	86		80		70-130	7		30
4-Methyl-2-pentanone	79		77		70-130	3		30
2-Hexanone	78		76		70-130	3		30
Bromochloromethane	92		89		70-130	3		30
1,2-Dibromoethane	89		86		70-130	3		30
1,2-Dibromo-3-chloropropane	81		79		68-130	3		30
Isopropylbenzene	84		82		70-130	2		30
1,2,3-Trichlorobenzene	84		84		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: TROY (WATER STREET) PHASE 1A

Lab Number: L2231917

Project Number: TROY (WATER STREET)

Report Date: 06/20/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 11 Batch: WG1652895-3 WG1652895-4								
1,2,4-Trichlorobenzene	87		85		70-130	2		30
Methyl Acetate	86		82		51-146	5		30
Cyclohexane	82		79		59-142	4		30
1,4-Dioxane	102		100		65-136	2		30
Freon-113	98		94		50-139	4		30
Methyl cyclohexane	88		84		70-130	5		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		95		70-130
Toluene-d8	98		98		70-130
4-Bromofluorobenzene	92		89		70-130
Dibromofluoromethane	100		100		70-130

SEMIVOLATILES

Project Name: TROY (WATER STREET) PHASE 1A**Lab Number:** L2231917**Project Number:** TROY (WATER STREET)**Report Date:** 06/20/22**SAMPLE RESULTS**

Lab ID: L2231917-01
 Client ID: AREA 2A TEST PIT 1
 Sample Location: TROY, NEW YORK 12047

Date Collected: 06/15/22 11:00
 Date Received: 06/15/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 06/19/22 15:23
 Analyst: CMM
 Percent Solids: 91%
 TCLP/SPLP Ext. Date: 06/17/22 03:59

Extraction Method: EPA 3510C
 Extraction Date: 06/18/22 22:12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
Hexachlorobenzene	ND		ug/l	10	3.4	1
2,4-Dinitrotoluene	ND		ug/l	25	1.9	1
Hexachlorobutadiene	ND		ug/l	10	3.0	1
Hexachloroethane	ND		ug/l	10	2.2	1
Nitrobenzene	ND		ug/l	10	3.3	1
2,4,6-Trichlorophenol	ND		ug/l	25	2.5	1
Pentachlorophenol	ND		ug/l	50	9.8	1
2-Methylphenol	ND		ug/l	25	5.5	1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	2.8	1
2,4,5-Trichlorophenol	ND		ug/l	25	1.9	1
Pyridine	ND		ug/l	18	4.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		21-120
Phenol-d6	70		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	75		15-120
2,4,6-Tribromophenol	71		10-120
4-Terphenyl-d14	74		33-120

Project Name: TROY (WATER STREET) PHASE 1A**Lab Number:** L2231917**Project Number:** TROY (WATER STREET)**Report Date:** 06/20/22**SAMPLE RESULTS**

Lab ID: L2231917-02
 Client ID: AREA 2A TEST PIT 2
 Sample Location: TROY, NEW YORK 12047

Date Collected: 06/15/22 11:15
 Date Received: 06/15/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 06/19/22 15:47
 Analyst: CMM
 Percent Solids: 93%

Extraction Method: EPA 3510C
 Extraction Date: 06/18/22 22:12

TCLP/SPLP Ext. Date: 06/17/22 03:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
Hexachlorobenzene	ND		ug/l	10	3.4	1
2,4-Dinitrotoluene	ND		ug/l	25	1.9	1
Hexachlorobutadiene	ND		ug/l	10	3.0	1
Hexachloroethane	ND		ug/l	10	2.2	1
Nitrobenzene	ND		ug/l	10	3.3	1
2,4,6-Trichlorophenol	ND		ug/l	25	2.5	1
Pentachlorophenol	ND		ug/l	50	9.8	1
2-Methylphenol	ND		ug/l	25	5.5	1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	2.8	1
2,4,5-Trichlorophenol	ND		ug/l	25	1.9	1
Pyridine	ND		ug/l	18	4.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		21-120
Phenol-d6	63		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	68		15-120
2,4,6-Tribromophenol	65		10-120
4-Terphenyl-d14	72		33-120

Project Name: TROY (WATER STREET) PHASE 1A**Lab Number:** L2231917**Project Number:** TROY (WATER STREET)**Report Date:** 06/20/22**SAMPLE RESULTS**

Lab ID: L2231917-03
 Client ID: AREA 2A TEST PIT 3
 Sample Location: TROY, NEW YORK 12047

Date Collected: 06/15/22 11:30
 Date Received: 06/15/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 06/19/22 16:11
 Analyst: CMM
 Percent Solids: 96%
 TCLP/SPLP Ext. Date: 06/17/22 03:59

Extraction Method: EPA 3510C
 Extraction Date: 06/18/22 22:12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
Hexachlorobenzene	ND		ug/l	10	3.4	1
2,4-Dinitrotoluene	ND		ug/l	25	1.9	1
Hexachlorobutadiene	ND		ug/l	10	3.0	1
Hexachloroethane	ND		ug/l	10	2.2	1
Nitrobenzene	ND		ug/l	10	3.3	1
2,4,6-Trichlorophenol	ND		ug/l	25	2.5	1
Pentachlorophenol	ND		ug/l	50	9.8	1
2-Methylphenol	ND		ug/l	25	5.5	1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	2.8	1
2,4,5-Trichlorophenol	ND		ug/l	25	1.9	1
Pyridine	ND		ug/l	18	4.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	63		21-120
Phenol-d6	56		10-120
Nitrobenzene-d5	59		23-120
2-Fluorobiphenyl	62		15-120
2,4,6-Tribromophenol	61		10-120
4-Terphenyl-d14	65		33-120

Project Name: TROY (WATER STREET) PHASE 1A**Lab Number:** L2231917**Project Number:** TROY (WATER STREET)**Report Date:** 06/20/22**SAMPLE RESULTS**

Lab ID: L2231917-04
 Client ID: AREA 2A TEST PIT 4
 Sample Location: TROY, NEW YORK 12047

Date Collected: 06/15/22 11:45
 Date Received: 06/15/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 06/19/22 16:35
 Analyst: CMM
 Percent Solids: 90%
 TCLP/SPLP Ext. Date: 06/17/22 03:59

Extraction Method: EPA 3510C
 Extraction Date: 06/18/22 22:12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
Hexachlorobenzene	ND		ug/l	10	3.4	1
2,4-Dinitrotoluene	ND		ug/l	25	1.9	1
Hexachlorobutadiene	ND		ug/l	10	3.0	1
Hexachloroethane	ND		ug/l	10	2.2	1
Nitrobenzene	ND		ug/l	10	3.3	1
2,4,6-Trichlorophenol	ND		ug/l	25	2.5	1
Pentachlorophenol	ND		ug/l	50	9.8	1
2-Methylphenol	ND		ug/l	25	5.5	1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	2.8	1
2,4,5-Trichlorophenol	ND		ug/l	25	1.9	1
Pyridine	ND		ug/l	18	4.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		21-120
Phenol-d6	66		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	70		15-120
2,4,6-Tribromophenol	68		10-120
4-Terphenyl-d14	74		33-120

Project Name: TROY (WATER STREET) PHASE 1A**Lab Number:** L2231917**Project Number:** TROY (WATER STREET)**Report Date:** 06/20/22**SAMPLE RESULTS**

Lab ID: L2231917-05
 Client ID: AREA 2A TEST PIT 5
 Sample Location: TROY, NEW YORK 12047

Date Collected: 06/15/22 12:00
 Date Received: 06/15/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 06/19/22 16:59
 Analyst: CMM
 Percent Solids: 93%
 TCLP/SPLP Ext. Date: 06/17/22 03:59

Extraction Method: EPA 3510C
 Extraction Date: 06/18/22 22:12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
Hexachlorobenzene	ND		ug/l	10	3.4	1
2,4-Dinitrotoluene	ND		ug/l	25	1.9	1
Hexachlorobutadiene	ND		ug/l	10	3.0	1
Hexachloroethane	ND		ug/l	10	2.2	1
Nitrobenzene	ND		ug/l	10	3.3	1
2,4,6-Trichlorophenol	ND		ug/l	25	2.5	1
Pentachlorophenol	ND		ug/l	50	9.8	1
2-Methylphenol	ND		ug/l	25	5.5	1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	2.8	1
2,4,5-Trichlorophenol	ND		ug/l	25	1.9	1
Pyridine	ND		ug/l	18	4.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		21-120
Phenol-d6	62		10-120
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	65		15-120
2,4,6-Tribromophenol	58		10-120
4-Terphenyl-d14	65		33-120

Project Name: TROY (WATER STREET) PHASE 1A**Lab Number:** L2231917**Project Number:** TROY (WATER STREET)**Report Date:** 06/20/22**SAMPLE RESULTS**

Lab ID: L2231917-06
 Client ID: AREA 2A TEST PIT 6
 Sample Location: TROY, NEW YORK 12047

Date Collected: 06/15/22 12:15
 Date Received: 06/15/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 06/19/22 17:23
 Analyst: CMM
 Percent Solids: 91%
 TCLP/SPLP Ext. Date: 06/17/22 03:59

Extraction Method: EPA 3510C
 Extraction Date: 06/18/22 22:12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
Hexachlorobenzene	ND		ug/l	10	3.4	1
2,4-Dinitrotoluene	ND		ug/l	25	1.9	1
Hexachlorobutadiene	ND		ug/l	10	3.0	1
Hexachloroethane	ND		ug/l	10	2.2	1
Nitrobenzene	ND		ug/l	10	3.3	1
2,4,6-Trichlorophenol	ND		ug/l	25	2.5	1
Pentachlorophenol	ND		ug/l	50	9.8	1
2-Methylphenol	ND		ug/l	25	5.5	1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	2.8	1
2,4,5-Trichlorophenol	ND		ug/l	25	1.9	1
Pyridine	ND		ug/l	18	4.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	52		21-120
Phenol-d6	48		10-120
Nitrobenzene-d5	49		23-120
2-Fluorobiphenyl	49		15-120
2,4,6-Tribromophenol	45		10-120
4-Terphenyl-d14	50		33-120

Project Name: TROY (WATER STREET) PHASE 1A**Lab Number:** L2231917**Project Number:** TROY (WATER STREET)**Report Date:** 06/20/22**SAMPLE RESULTS**

Lab ID: L2231917-07
 Client ID: AREA 2A TEST PIT 7
 Sample Location: TROY, NEW YORK 12047

Date Collected: 06/15/22 12:30
 Date Received: 06/15/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 06/19/22 17:47
 Analyst: CMM
 Percent Solids: 92%
 TCLP/SPLP Ext. Date: 06/17/22 03:59

Extraction Method: EPA 3510C
 Extraction Date: 06/18/22 22:12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
Hexachlorobenzene	ND		ug/l	10	3.4	1
2,4-Dinitrotoluene	ND		ug/l	25	1.9	1
Hexachlorobutadiene	ND		ug/l	10	3.0	1
Hexachloroethane	ND		ug/l	10	2.2	1
Nitrobenzene	ND		ug/l	10	3.3	1
2,4,6-Trichlorophenol	ND		ug/l	25	2.5	1
Pentachlorophenol	ND		ug/l	50	9.8	1
2-Methylphenol	ND		ug/l	25	5.5	1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	2.8	1
2,4,5-Trichlorophenol	ND		ug/l	25	1.9	1
Pyridine	ND		ug/l	18	4.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		21-120
Phenol-d6	63		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	65		15-120
2,4,6-Tribromophenol	61		10-120
4-Terphenyl-d14	69		33-120

Project Name: TROY (WATER STREET) PHASE 1A**Lab Number:** L2231917**Project Number:** TROY (WATER STREET)**Report Date:** 06/20/22**SAMPLE RESULTS**

Lab ID: L2231917-08
 Client ID: AREA 2 ISS TEST PIT 1
 Sample Location: TROY, NEW YORK 12047

Date Collected: 06/15/22 12:45
 Date Received: 06/15/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 06/20/22 14:30
 Analyst: ALS
 Percent Solids: 88%
 TCLP/SPLP Ext. Date: 06/17/22 03:59

Extraction Method: EPA 3510C
 Extraction Date: 06/18/22 22:12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
Hexachlorobenzene	ND		ug/l	10	3.4	1
2,4-Dinitrotoluene	ND		ug/l	25	1.9	1
Hexachlorobutadiene	ND		ug/l	10	3.0	1
Hexachloroethane	ND		ug/l	10	2.2	1
Nitrobenzene	ND		ug/l	10	3.3	1
2,4,6-Trichlorophenol	ND		ug/l	25	2.5	1
Pentachlorophenol	ND		ug/l	50	9.8	1
2-Methylphenol	ND		ug/l	25	5.5	1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	2.8	1
2,4,5-Trichlorophenol	ND		ug/l	25	1.9	1
Pyridine	ND		ug/l	18	4.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	65		21-120
Phenol-d6	61		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	69		15-120
2,4,6-Tribromophenol	78		10-120
4-Terphenyl-d14	73		33-120

Project Name: TROY (WATER STREET) PHASE 1A**Lab Number:** L2231917**Project Number:** TROY (WATER STREET)**Report Date:** 06/20/22**SAMPLE RESULTS**

Lab ID: L2231917-09
 Client ID: AREA 2 ISS TEST PIT 2
 Sample Location: TROY, NEW YORK 12047

Date Collected: 06/15/22 13:00
 Date Received: 06/15/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 06/19/22 18:35
 Analyst: CMM
 Percent Solids: 88%
 TCLP/SPLP Ext. Date: 06/17/22 03:59

Extraction Method: EPA 3510C
 Extraction Date: 06/18/22 22:12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
Hexachlorobenzene	ND		ug/l	10	3.4	1
2,4-Dinitrotoluene	ND		ug/l	25	1.9	1
Hexachlorobutadiene	ND		ug/l	10	3.0	1
Hexachloroethane	ND		ug/l	10	2.2	1
Nitrobenzene	ND		ug/l	10	3.3	1
2,4,6-Trichlorophenol	ND		ug/l	25	2.5	1
Pentachlorophenol	ND		ug/l	50	9.8	1
2-Methylphenol	ND		ug/l	25	5.5	1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	2.8	1
2,4,5-Trichlorophenol	ND		ug/l	25	1.9	1
Pyridine	ND		ug/l	18	4.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		21-120
Phenol-d6	62		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	66		15-120
2,4,6-Tribromophenol	63		10-120
4-Terphenyl-d14	67		33-120

Project Name: TROY (WATER STREET) PHASE 1A**Lab Number:** L2231917**Project Number:** TROY (WATER STREET)**Report Date:** 06/20/22**SAMPLE RESULTS**

Lab ID: L2231917-10
 Client ID: AREA 2 ISS TEST PIT 3
 Sample Location: TROY, NEW YORK 12047

Date Collected: 06/15/22 13:15
 Date Received: 06/15/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 06/19/22 18:59
 Analyst: CMM
 Percent Solids: 89%
 TCLP/SPLP Ext. Date: 06/17/22 03:59

Extraction Method: EPA 3510C
 Extraction Date: 06/18/22 22:12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
Hexachlorobenzene	ND		ug/l	10	3.4	1
2,4-Dinitrotoluene	ND		ug/l	25	1.9	1
Hexachlorobutadiene	ND		ug/l	10	3.0	1
Hexachloroethane	ND		ug/l	10	2.2	1
Nitrobenzene	ND		ug/l	10	3.3	1
2,4,6-Trichlorophenol	ND		ug/l	25	2.5	1
Pentachlorophenol	ND		ug/l	50	9.8	1
2-Methylphenol	ND		ug/l	25	5.5	1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	2.8	1
2,4,5-Trichlorophenol	ND		ug/l	25	1.9	1
Pyridine	ND		ug/l	18	4.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		21-120
Phenol-d6	64		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	68		15-120
2,4,6-Tribromophenol	62		10-120
4-Terphenyl-d14	68		33-120

Project Name: TROY (WATER STREET) PHASE 1A
Project Number: TROY (WATER STREET)

Lab Number: L2231917
Report Date: 06/20/22

SAMPLE RESULTS

Lab ID: L2231917-11
Client ID: AREA 2 TAR MATERIAL
Sample Location: TROY, NEW YORK 12047

Date Collected: 06/15/22 15:00
Date Received: 06/15/22
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/17/22 14:45
Analyst: CMM
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 06/16/22 19:06

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	320	J	ug/kg	410	53.	1
Hexachlorobenzene	ND		ug/kg	310	57.	1
Bis(2-chloroethyl)ether	ND		ug/kg	460	69.	1
2-Chloronaphthalene	ND		ug/kg	510	51.	1
3,3'-Dichlorobenzidine	ND		ug/kg	510	140	1
2,4-Dinitrotoluene	ND		ug/kg	510	100	1
2,6-Dinitrotoluene	ND		ug/kg	510	88.	1
Fluoranthene	6400		ug/kg	310	59.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	510	55.	1
4-Bromophenyl phenyl ether	ND		ug/kg	510	78.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	610	87.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	550	51.	1
Hexachlorobutadiene	ND		ug/kg	510	75.	1
Hexachlorocyclopentadiene	ND		ug/kg	1500	460	1
Hexachloroethane	ND		ug/kg	410	83.	1
Isophorone	ND		ug/kg	460	66.	1
Naphthalene	1900		ug/kg	510	62.	1
Nitrobenzene	ND		ug/kg	460	76.	1
NDPA/DPA	ND		ug/kg	410	58.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	510	79.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	510	180	1
Butyl benzyl phthalate	ND		ug/kg	510	130	1
Di-n-butylphthalate	ND		ug/kg	510	97.	1
Di-n-octylphthalate	ND		ug/kg	510	170	1
Diethyl phthalate	ND		ug/kg	510	47.	1
Dimethyl phthalate	ND		ug/kg	510	110	1
Benzo(a)anthracene	3300		ug/kg	310	58.	1
Benzo(a)pyrene	2700		ug/kg	410	120	1

Project Name: TROY (WATER STREET) PHASE 1A**Lab Number:** L2231917**Project Number:** TROY (WATER STREET)**Report Date:** 06/20/22**SAMPLE RESULTS****Lab ID:** L2231917-11**Date Collected:** 06/15/22 15:00**Client ID:** AREA 2 TAR MATERIAL**Date Received:** 06/15/22**Sample Location:** TROY, NEW YORK 12047**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	3000		ug/kg	310	86.	1
Benzo(k)fluoranthene	1200		ug/kg	310	82.	1
Chrysene	2500		ug/kg	310	53.	1
Acenaphthylene	840		ug/kg	410	79.	1
Anthracene	1500		ug/kg	310	100	1
Benzo(ghi)perylene	1100		ug/kg	410	60.	1
Fluorene	1200		ug/kg	510	50.	1
Phenanthrene	4800		ug/kg	310	62.	1
Dibenzo(a,h)anthracene	440		ug/kg	310	59.	1
Indeno(1,2,3-cd)pyrene	1600		ug/kg	410	71.	1
Pyrene	4600		ug/kg	310	51.	1
Biphenyl	150	J	ug/kg	1200	66.	1
4-Chloroaniline	ND		ug/kg	510	93.	1
2-Nitroaniline	ND		ug/kg	510	99.	1
3-Nitroaniline	ND		ug/kg	510	96.	1
4-Nitroaniline	ND		ug/kg	510	210	1
Dibenzofuran	720		ug/kg	510	48.	1
2-Methylnaphthalene	860		ug/kg	610	62.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	510	53.	1
Acetophenone	ND		ug/kg	510	63.	1
2,4,6-Trichlorophenol	ND		ug/kg	310	97.	1
p-Chloro-m-cresol	ND		ug/kg	510	76.	1
2-Chlorophenol	ND		ug/kg	510	60.	1
2,4-Dichlorophenol	ND		ug/kg	460	82.	1
2,4-Dimethylphenol	ND		ug/kg	510	170	1
2-Nitrophenol	ND		ug/kg	1100	190	1
4-Nitrophenol	ND		ug/kg	720	210	1
2,4-Dinitrophenol	ND		ug/kg	2400	240	1
4,6-Dinitro-o-cresol	ND		ug/kg	1300	240	1
Pentachlorophenol	ND		ug/kg	410	110	1
Phenol	ND		ug/kg	510	77.	1
2-Methylphenol	ND		ug/kg	510	79.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	740	80.	1
2,4,5-Trichlorophenol	ND		ug/kg	510	98.	1
Carbazole	340	J	ug/kg	510	50.	1
Atrazine	ND		ug/kg	410	180	1
Benzaldehyde	ND		ug/kg	680	140	1

Project Name: TROY (WATER STREET) PHASE 1A**Lab Number:** L2231917**Project Number:** TROY (WATER STREET)**Report Date:** 06/20/22**SAMPLE RESULTS****Lab ID:** L2231917-11**Date Collected:** 06/15/22 15:00**Client ID:** AREA 2 TAR MATERIAL**Date Received:** 06/15/22**Sample Location:** TROY, NEW YORK 12047**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	510	160	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	510	100	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	68		30-120
2,4,6-Tribromophenol	75		10-136
4-Terphenyl-d14	70		18-120

Project Name: TROY (WATER STREET) PHASE 1A
Project Number: TROY (WATER STREET)

Lab Number: L2231917
Report Date: 06/20/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/16/22 12:45
Analyst: JG

Extraction Method: EPA 3546
Extraction Date: 06/16/22 03:05

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 11 Batch: WG1651206-1					
Acenaphthene	ND		ug/kg	130	17.
Hexachlorobenzene	ND		ug/kg	98	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	98	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	98	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	28.

Project Name: TROY (WATER STREET) PHASE 1A**Lab Number:** L2231917**Project Number:** TROY (WATER STREET)**Report Date:** 06/20/22**Method Blank Analysis**
Batch Quality ControlAnalytical Method: 1,8270D
Analytical Date: 06/16/22 12:45
Analyst: JGExtraction Method: EPA 3546
Extraction Date: 06/16/22 03:05

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 11 Batch: WG1651206-1					
Benzo(k)fluoranthene	ND		ug/kg	98	26.
Chrysene	ND		ug/kg	98	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	98	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	98	20.
Dibenzo(a,h)anthracene	ND		ug/kg	98	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	98	16.
Biphenyl	ND		ug/kg	370	21.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	62.
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	76.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.

Project Name: TROY (WATER STREET) PHASE 1A
Project Number: TROY (WATER STREET)

Lab Number: L2231917
Report Date: 06/20/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/16/22 12:45
Analyst: JG

Extraction Method: EPA 3546
Extraction Date: 06/16/22 03:05

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 11 Batch: WG1651206-1					
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Carbazole	ND		ug/kg	160	16.
Atrazine	ND		ug/kg	130	57.
Benzaldehyde	ND		ug/kg	220	44.
Caprolactam	ND		ug/kg	160	50.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	33.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	83		25-120
Phenol-d6	84		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	78		30-120
2,4,6-Tribromophenol	79		10-136
4-Terphenyl-d14	81		18-120

Project Name: TROY (WATER STREET) PHASE 1A**Lab Number:** L2231917**Project Number:** TROY (WATER STREET)**Report Date:** 06/20/22

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 06/19/22 11:47
 Analyst: CMM
 TCLP/SPLP Extraction Date: 06/16/22 04:59

Extraction Method: EPA 3510C
 Extraction Date: 06/18/22 22:12

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Semivolatiles by EPA 1311 - Westborough Lab for sample(s): 01-10 Batch: WG1652480-1					
Hexachlorobenzene	ND		ug/l	10	3.4
2,4-Dinitrotoluene	ND		ug/l	25	1.9
Hexachlorobutadiene	ND		ug/l	10	3.0
Hexachloroethane	ND		ug/l	10	2.2
Nitrobenzene	ND		ug/l	10	3.3
2,4,6-Trichlorophenol	ND		ug/l	25	2.5
Pentachlorophenol	ND		ug/l	50	9.8
2-Methylphenol	ND		ug/l	25	5.5
3-Methylphenol/4-Methylphenol	ND		ug/l	25	2.8
2,4,5-Trichlorophenol	ND		ug/l	25	1.9
Pyridine	ND		ug/l	18	4.5

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		21-120
Phenol-d6	56		10-120
Nitrobenzene-d5	59		23-120
2-Fluorobiphenyl	59		15-120
2,4,6-Tribromophenol	55		10-120
4-Terphenyl-d14	58		33-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: TROY (WATER STREET) PHASE 1A

Lab Number: L2231917

Project Number: TROY (WATER STREET)

Report Date: 06/20/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 11 Batch: WG1651206-2 WG1651206-3								
Acenaphthene	69		61		31-137	12		50
Hexachlorobenzene	80		71		40-140	12		50
Bis(2-chloroethyl)ether	72		60		40-140	18		50
2-Chloronaphthalene	77		67		40-140	14		50
3,3'-Dichlorobenzidine	68		64		40-140	6		50
2,4-Dinitrotoluene	80		72		40-132	11		50
2,6-Dinitrotoluene	80		72		40-140	11		50
Fluoranthene	75		67		40-140	11		50
4-Chlorophenyl phenyl ether	75		66		40-140	13		50
4-Bromophenyl phenyl ether	77		68		40-140	12		50
Bis(2-chloroisopropyl)ether	70		56		40-140	22		50
Bis(2-chloroethoxy)methane	77		64		40-117	18		50
Hexachlorobutadiene	76		63		40-140	19		50
Hexachlorocyclopentadiene	80		67		40-140	18		50
Hexachloroethane	72		58		40-140	22		50
Isophorone	77		66		40-140	15		50
Naphthalene	73		63		40-140	15		50
Nitrobenzene	84		69		40-140	20		50
NDPA/DPA	76		68		36-157	11		50
n-Nitrosodi-n-propylamine	80		67		32-121	18		50
Bis(2-ethylhexyl)phthalate	69		62		40-140	11		50
Butyl benzyl phthalate	74		67		40-140	10		50
Di-n-butylphthalate	79		72		40-140	9		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: TROY (WATER STREET) PHASE 1A

Lab Number: L2231917

Project Number: TROY (WATER STREET)

Report Date: 06/20/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 11 Batch: WG1651206-2 WG1651206-3								
Di-n-octylphthalate	67		59		40-140	13		50
Diethyl phthalate	77		68		40-140	12		50
Dimethyl phthalate	80		72		40-140	11		50
Benzo(a)anthracene	76		70		40-140	8		50
Benzo(a)pyrene	87		80		40-140	8		50
Benzo(b)fluoranthene	75		73		40-140	3		50
Benzo(k)fluoranthene	79		70		40-140	12		50
Chrysene	71		65		40-140	9		50
Acenaphthylene	82		73		40-140	12		50
Anthracene	71		65		40-140	9		50
Benzo(ghi)perylene	81		74		40-140	9		50
Fluorene	72		65		40-140	10		50
Phenanthrene	69		63		40-140	9		50
Dibenzo(a,h)anthracene	86		77		40-140	11		50
Indeno(1,2,3-cd)pyrene	88		79		40-140	11		50
Pyrene	72		66		35-142	9		50
Biphenyl	75		64		37-127	16		50
4-Chloroaniline	66		59		40-140	11		50
2-Nitroaniline	81		73		47-134	10		50
3-Nitroaniline	69		66		26-129	4		50
4-Nitroaniline	83		75		41-125	10		50
Dibenzofuran	74		66		40-140	11		50
2-Methylnaphthalene	76		65		40-140	16		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: TROY (WATER STREET) PHASE 1A

Lab Number: L2231917

Project Number: TROY (WATER STREET)

Report Date: 06/20/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 11 Batch: WG1651206-2 WG1651206-3								
1,2,4,5-Tetrachlorobenzene	79		67		40-117	16		50
Acetophenone	78		65		14-144	18		50
2,4,6-Trichlorophenol	87		78		30-130	11		50
p-Chloro-m-cresol	84		75		26-103	11		50
2-Chlorophenol	76		64		25-102	17		50
2,4-Dichlorophenol	82		70		30-130	16		50
2,4-Dimethylphenol	82		69		30-130	17		50
2-Nitrophenol	76		64		30-130	17		50
4-Nitrophenol	87		78		11-114	11		50
2,4-Dinitrophenol	71		59		4-130	18		50
4,6-Dinitro-o-cresol	77		69		10-130	11		50
Pentachlorophenol	79		69		17-109	14		50
Phenol	86		73		26-90	16		50
2-Methylphenol	82		69		30-130	17		50
3-Methylphenol/4-Methylphenol	83		71		30-130	16		50
2,4,5-Trichlorophenol	87		78		30-130	11		50
Carbazole	74		68		54-128	8		50
Atrazine	85		77		40-140	10		50
Benzaldehyde	75		62		40-140	19		50
Caprolactam	77		70		15-130	10		50
2,3,4,6-Tetrachlorophenol	80		72		40-140	11		50

Lab Control Sample Analysis**Batch Quality Control****Project Name:** TROY (WATER STREET) PHASE 1A**Lab Number:** L2231917**Project Number:** TROY (WATER STREET)**Report Date:** 06/20/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 11 Batch: WG1651206-2 WG1651206-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	83		69		25-120
Phenol-d6	84		72		10-120
Nitrobenzene-d5	78		65		23-120
2-Fluorobiphenyl	77		68		30-120
2,4,6-Tribromophenol	85		76		10-136
4-Terphenyl-d14	77		70		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: TROY (WATER STREET) PHASE 1A

Lab Number: L2231917

Project Number: TROY (WATER STREET)

Report Date: 06/20/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Semivolatiles by EPA 1311 - Westborough Lab Associated sample(s): 01-10 Batch: WG1652480-2 WG1652480-3								
Hexachlorobenzene	40		47		40-140	16		30
2,4-Dinitrotoluene	44		51		40-132	15		30
Hexachlorobutadiene	43		50		28-111	15		30
Hexachloroethane	40		50		21-105	22		30
Nitrobenzene	44		52		40-140	17		30
2,4,6-Trichlorophenol	47		56		30-130	17		30
Pentachlorophenol	43		49		9-103	13		30
2-Methylphenol	45		53		30-130	16		30
3-Methylphenol/4-Methylphenol	44		52		30-130	17		30
2,4,5-Trichlorophenol	48		56		30-130	15		30
Pyridine	10		20		10-66	68	Q	30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	45		55		21-120
Phenol-d6	42		50		10-120
Nitrobenzene-d5	44		51		23-120
2-Fluorobiphenyl	45		53		15-120
2,4,6-Tribromophenol	40		46		10-120
4-Terphenyl-d14	42		48		33-120

PETROLEUM HYDROCARBONS

Project Name: TROY (WATER STREET) PHASE 1A
Project Number: TROY (WATER STREET)

Lab Number: L2231917
Report Date: 06/20/22

SAMPLE RESULTS

Lab ID: L2231917-11
Client ID: AREA 2 TAR MATERIAL
Sample Location: TROY, NEW YORK 12047

Date Collected: 06/15/22 15:00
Date Received: 06/15/22
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 06/17/22 19:11
Analyst: AL
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 06/16/22 19:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Diesel Range Organics - Westborough Lab						
DRO (C10-C28)	71000		ug/kg	35000	1900	1
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
o-Terphenyl	101			40-140		

Project Name: TROY (WATER STREET) PHASE 1A
Project Number: TROY (WATER STREET)

Lab Number: L2231917
Report Date: 06/20/22

SAMPLE RESULTS

Lab ID: L2231917-11
Client ID: AREA 2 TAR MATERIAL
Sample Location: TROY, NEW YORK 12047

Date Collected: 06/15/22 15:00
Date Received: 06/15/22
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 06/20/22 10:13
Analyst: MKS
Percent Solids: 92%

Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Gasoline Range Organics - Westborough Lab						

Gasoline Range Organics	1000	J	ug/kg	2300	44.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	91		70-130
4-Bromofluorobenzene	80		70-130

Project Name: TROY (WATER STREET) PHASE 1A**Lab Number:** L2231917**Project Number:** TROY (WATER STREET)**Report Date:** 06/20/22**Method Blank Analysis**
Batch Quality ControlAnalytical Method: 1,8015D(M)
Analytical Date: 06/17/22 18:46
Analyst: ALExtraction Method: EPA 3546
Extraction Date: 06/16/22 19:03

Parameter	Result	Qualifier	Units	RL	MDL
Diesel Range Organics - Westborough Lab for sample(s): 11 Batch: WG1651740-1					
DRO (C10-C28)	ND		ug/kg	33000	1800

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	89		40-140

Project Name: TROY (WATER STREET) PHASE 1A**Lab Number:** L2231917**Project Number:** TROY (WATER STREET)**Report Date:** 06/20/22

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8015D(M)
 Analytical Date: 06/20/22 09:38
 Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Gasoline Range Organics - Westborough Lab for sample(s): 11 Batch: WG1652940-4					
Gasoline Range Organics	850	J	ug/kg	2500	48.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	96		70-130
4-Bromofluorobenzene	87		70-130

Lab Control Sample Analysis**Batch Quality Control****Project Name:** TROY (WATER STREET) PHASE 1A**Lab Number:** L2231917**Project Number:** TROY (WATER STREET)**Report Date:** 06/20/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Diesel Range Organics - Westborough Lab Associated sample(s): 11 Batch: WG1651740-2								
DRO (C10-C28)	112		-		60-140	-		

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	94				40-140

Lab Control Sample Analysis**Batch Quality Control****Project Name:** TROY (WATER STREET) PHASE 1A**Lab Number:** L2231917**Project Number:** TROY (WATER STREET)**Report Date:** 06/20/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 11 Batch: WG1652940-2 WG1652940-3								
Gasoline Range Organics	91		100		80-120	9		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,1,1-Trifluorotoluene	99		109		70-130
4-Bromofluorobenzene	87		95		70-130

Matrix Spike Analysis**Batch Quality Control****Project Name:** TROY (WATER STREET) PHASE 1A**Lab Number:** L2231917**Project Number:** TROY (WATER STREET)**Report Date:** 06/20/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab MATERIAL Associated sample(s): 11 QC Batch ID: WG1652940-6 QC Sample: L2231917-11 Client ID: AREA 2 TAR												
Gasoline Range Organics	1000J	18400	20000	109		-	-		80-120	-		20

Surrogate	MS % Recovery	Qualifier	MSD % Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	111				70-130
4-Bromofluorobenzene	97				70-130

Lab Duplicate Analysis

Batch Quality Control

Project Name: TROY (WATER STREET) PHASE 1A

Project Number: TROY (WATER STREET)

Lab Number: L2231917

Report Date: 06/20/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Diesel Range Organics - Westborough Lab Associated sample(s): 11 QC Batch ID: WG1651740-3 QC Sample: L2231917-11 Client ID: AREA 2 TAR MATERIAL						
DRO (C10-C28)	71000	170000	ug/kg	82	Q	20

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	101		106		40-140

Lab Duplicate Analysis

Batch Quality Control

Project Name: TROY (WATER STREET) PHASE 1A

Project Number: TROY (WATER STREET)

Lab Number: L2231917

Report Date: 06/20/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 11 QC Batch ID: WG1652940-5 QC Sample: L2231917-11 Client ID: AREA 2 TAR MATERIAL						
Gasoline Range Organics	1000J	950J	ug/kg	NC		20

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	91		109		70-130
4-Bromofluorobenzene	80		94		70-130

PCBS

Project Name: TROY (WATER STREET) PHASE 1A
Project Number: TROY (WATER STREET)

Lab Number: L2231917
Report Date: 06/20/22

SAMPLE RESULTS

Lab ID: L2231917-01
Client ID: AREA 2A TEST PIT 1
Sample Location: TROY, NEW YORK 12047

Date Collected: 06/15/22 11:00
Date Received: 06/15/22
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/17/22 10:13
Analyst: WR
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 06/16/22 17:37
Cleanup Method: EPA 3665A
Cleanup Date: 06/17/22
Cleanup Method: EPA 3660B
Cleanup Date: 06/17/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	1000	3.12	1	A
Aroclor 1221	ND		ug/kg	1000	3.52	1	A
Aroclor 1232	ND		ug/kg	1000	7.45	1	A
Aroclor 1242	ND		ug/kg	1000	4.74	1	A
Aroclor 1248	ND		ug/kg	1000	5.27	1	A
Aroclor 1254	ND		ug/kg	1000	3.84	1	A
Aroclor 1260	ND		ug/kg	1000	6.50	1	A
Aroclor 1262	ND		ug/kg	1000	4.46	1	A
Aroclor 1268	ND		ug/kg	1000	3.64	1	A
PCBs, Total	ND		ug/kg	1000	3.12	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	88		30-150	B
Decachlorobiphenyl	81		30-150	B

Project Name: TROY (WATER STREET) PHASE 1A
Project Number: TROY (WATER STREET)

Lab Number: L2231917
Report Date: 06/20/22

SAMPLE RESULTS

Lab ID: L2231917-02
Client ID: AREA 2A TEST PIT 2
Sample Location: TROY, NEW YORK 12047

Date Collected: 06/15/22 11:15
Date Received: 06/15/22
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/17/22 08:53
Analyst: WR
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 06/16/22 17:37
Cleanup Method: EPA 3665A
Cleanup Date: 06/17/22
Cleanup Method: EPA 3660B
Cleanup Date: 06/17/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	1000	3.04	1	A
Aroclor 1221	ND		ug/kg	1000	3.43	1	A
Aroclor 1232	ND		ug/kg	1000	7.26	1	A
Aroclor 1242	ND		ug/kg	1000	4.61	1	A
Aroclor 1248	ND		ug/kg	1000	5.13	1	A
Aroclor 1254	ND		ug/kg	1000	3.74	1	A
Aroclor 1260	29.1	J	ug/kg	1000	6.32	1	A
Aroclor 1262	ND		ug/kg	1000	4.35	1	A
Aroclor 1268	ND		ug/kg	1000	3.55	1	A
PCBs, Total	29.1	J	ug/kg	1000	3.04	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	90		30-150	B
Decachlorobiphenyl	136		30-150	B

Project Name: TROY (WATER STREET) PHASE 1A
Project Number: TROY (WATER STREET)

Lab Number: L2231917
Report Date: 06/20/22

SAMPLE RESULTS

Lab ID: L2231917-03
Client ID: AREA 2A TEST PIT 3
Sample Location: TROY, NEW YORK 12047

Date Collected: 06/15/22 11:30
Date Received: 06/15/22
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/17/22 09:33
Analyst: WR
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 06/16/22 17:37
Cleanup Method: EPA 3665A
Cleanup Date: 06/17/22
Cleanup Method: EPA 3660B
Cleanup Date: 06/17/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	1000	2.96	1	A
Aroclor 1221	ND		ug/kg	1000	3.34	1	A
Aroclor 1232	ND		ug/kg	1000	7.07	1	A
Aroclor 1242	ND		ug/kg	1000	4.50	1	A
Aroclor 1248	ND		ug/kg	1000	5.00	1	A
Aroclor 1254	6.62	J	ug/kg	1000	3.65	1	B
Aroclor 1260	6.92	J	ug/kg	1000	6.16	1	A
Aroclor 1262	ND		ug/kg	1000	4.24	1	A
Aroclor 1268	ND		ug/kg	1000	3.46	1	A
PCBs, Total	13.5	J	ug/kg	1000	2.96	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	93		30-150	B
Decachlorobiphenyl	78		30-150	B

Project Name: TROY (WATER STREET) PHASE 1A
Project Number: TROY (WATER STREET)

Lab Number: L2231917
Report Date: 06/20/22

SAMPLE RESULTS

Lab ID: L2231917-04
Client ID: AREA 2A TEST PIT 4
Sample Location: TROY, NEW YORK 12047

Date Collected: 06/15/22 11:45
Date Received: 06/15/22
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/17/22 09:25
Analyst: WR
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 06/16/22 17:37
Cleanup Method: EPA 3665A
Cleanup Date: 06/17/22
Cleanup Method: EPA 3660B
Cleanup Date: 06/17/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	1000	3.22	1	A
Aroclor 1221	ND		ug/kg	1000	3.63	1	A
Aroclor 1232	ND		ug/kg	1000	7.69	1	A
Aroclor 1242	ND		ug/kg	1000	4.89	1	A
Aroclor 1248	ND		ug/kg	1000	5.44	1	A
Aroclor 1254	ND		ug/kg	1000	3.97	1	A
Aroclor 1260	19.8	J	ug/kg	1000	6.70	1	A
Aroclor 1262	ND		ug/kg	1000	4.60	1	A
Aroclor 1268	ND		ug/kg	1000	3.76	1	A
PCBs, Total	19.8	J	ug/kg	1000	3.22	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	87		30-150	B
Decachlorobiphenyl	95		30-150	B

Project Name: TROY (WATER STREET) PHASE 1A**Lab Number:** L2231917**Project Number:** TROY (WATER STREET)**Report Date:** 06/20/22**SAMPLE RESULTS**

Lab ID: L2231917-05
 Client ID: AREA 2A TEST PIT 5
 Sample Location: TROY, NEW YORK 12047

Date Collected: 06/15/22 12:00
 Date Received: 06/15/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 06/17/22 09:01
 Analyst: WR
 Percent Solids: 93%

Extraction Method: EPA 3546
 Extraction Date: 06/16/22 17:37
 Cleanup Method: EPA 3665A
 Cleanup Date: 06/17/22
 Cleanup Method: EPA 3660B
 Cleanup Date: 06/17/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	1000	3.08	1	A
Aroclor 1221	ND		ug/kg	1000	3.47	1	A
Aroclor 1232	ND		ug/kg	1000	7.34	1	A
Aroclor 1242	ND		ug/kg	1000	4.67	1	A
Aroclor 1248	ND		ug/kg	1000	5.20	1	A
Aroclor 1254	ND		ug/kg	1000	3.79	1	A
Aroclor 1260	32.4	J	ug/kg	1000	6.40	1	B
Aroclor 1262	ND		ug/kg	1000	4.40	1	A
Aroclor 1268	ND		ug/kg	1000	3.59	1	A
PCBs, Total	32.4	J	ug/kg	1000	3.08	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	93		30-150	B
Decachlorobiphenyl	153	Q	30-150	B

Project Name: TROY (WATER STREET) PHASE 1A
Project Number: TROY (WATER STREET)

Lab Number: L2231917
Report Date: 06/20/22

SAMPLE RESULTS

Lab ID: L2231917-06
Client ID: AREA 2A TEST PIT 6
Sample Location: TROY, NEW YORK 12047

Date Collected: 06/15/22 12:15
Date Received: 06/15/22
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/17/22 09:09
Analyst: WR
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 06/16/22 17:37
Cleanup Method: EPA 3665A
Cleanup Date: 06/17/22
Cleanup Method: EPA 3660B
Cleanup Date: 06/17/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	1000	3.23	1	A
Aroclor 1221	ND		ug/kg	1000	3.64	1	A
Aroclor 1232	ND		ug/kg	1000	7.71	1	A
Aroclor 1242	ND		ug/kg	1000	4.90	1	A
Aroclor 1248	ND		ug/kg	1000	5.46	1	A
Aroclor 1254	ND		ug/kg	1000	3.98	1	A
Aroclor 1260	31.2	J	ug/kg	1000	6.72	1	A
Aroclor 1262	ND		ug/kg	1000	4.62	1	A
Aroclor 1268	ND		ug/kg	1000	3.77	1	A
PCBs, Total	31.2	J	ug/kg	1000	3.23	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	53		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	86		30-150	B

Project Name: TROY (WATER STREET) PHASE 1A
Project Number: TROY (WATER STREET)

Lab Number: L2231917
Report Date: 06/20/22

SAMPLE RESULTS

Lab ID: L2231917-07
Client ID: AREA 2A TEST PIT 7
Sample Location: TROY, NEW YORK 12047

Date Collected: 06/15/22 12:30
Date Received: 06/15/22
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/17/22 09:17
Analyst: WR
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 06/16/22 17:37
Cleanup Method: EPA 3665A
Cleanup Date: 06/17/22
Cleanup Method: EPA 3660B
Cleanup Date: 06/17/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	1000	3.17	1	A
Aroclor 1221	ND		ug/kg	1000	3.57	1	A
Aroclor 1232	ND		ug/kg	1000	7.56	1	A
Aroclor 1242	ND		ug/kg	1000	4.81	1	A
Aroclor 1248	ND		ug/kg	1000	5.35	1	A
Aroclor 1254	30.8	J	ug/kg	1000	3.90	1	A
Aroclor 1260	32.0	J	ug/kg	1000	6.59	1	A
Aroclor 1262	ND		ug/kg	1000	4.53	1	A
Aroclor 1268	ND		ug/kg	1000	3.70	1	A
PCBs, Total	62.8	J	ug/kg	1000	3.17	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	92		30-150	B

Project Name: TROY (WATER STREET) PHASE 1A**Lab Number:** L2231917**Project Number:** TROY (WATER STREET)**Report Date:** 06/20/22**SAMPLE RESULTS**

Lab ID: L2231917-08
 Client ID: AREA 2 ISS TEST PIT 1
 Sample Location: TROY, NEW YORK 12047

Date Collected: 06/15/22 12:45
 Date Received: 06/15/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 06/17/22 09:41
 Analyst: WR
 Percent Solids: 88%

Extraction Method: EPA 3546
 Extraction Date: 06/16/22 17:37
 Cleanup Method: EPA 3665A
 Cleanup Date: 06/17/22
 Cleanup Method: EPA 3660B
 Cleanup Date: 06/17/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	1000	3.34	1	A
Aroclor 1221	ND		ug/kg	1000	3.77	1	A
Aroclor 1232	ND		ug/kg	1000	7.97	1	A
Aroclor 1242	ND		ug/kg	1000	5.07	1	A
Aroclor 1248	ND		ug/kg	1000	5.64	1	A
Aroclor 1254	ND		ug/kg	1000	4.12	1	A
Aroclor 1260	7.18	JP	ug/kg	1000	6.95	1	A
Aroclor 1262	ND		ug/kg	1000	4.78	1	A
Aroclor 1268	ND		ug/kg	1000	3.90	1	A
PCBs, Total	7.18	J	ug/kg	1000	3.34	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	73		30-150	B

Project Name: TROY (WATER STREET) PHASE 1A
Project Number: TROY (WATER STREET)

Lab Number: L2231917
Report Date: 06/20/22

SAMPLE RESULTS

Lab ID: L2231917-09
Client ID: AREA 2 ISS TEST PIT 2
Sample Location: TROY, NEW YORK 12047

Date Collected: 06/15/22 13:00
Date Received: 06/15/22
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/17/22 09:49
Analyst: WR
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 06/16/22 17:37
Cleanup Method: EPA 3665A
Cleanup Date: 06/17/22
Cleanup Method: EPA 3660B
Cleanup Date: 06/17/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	1000	3.23	1	A
Aroclor 1221	ND		ug/kg	1000	3.65	1	A
Aroclor 1232	ND		ug/kg	1000	7.72	1	A
Aroclor 1242	ND		ug/kg	1000	4.91	1	A
Aroclor 1248	ND		ug/kg	1000	5.46	1	A
Aroclor 1254	ND		ug/kg	1000	3.98	1	A
Aroclor 1260	18.4	J	ug/kg	1000	6.73	1	A
Aroclor 1262	ND		ug/kg	1000	4.62	1	A
Aroclor 1268	ND		ug/kg	1000	3.77	1	A
PCBs, Total	18.4	J	ug/kg	1000	3.23	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	88		30-150	B
Decachlorobiphenyl	94		30-150	B

Project Name: TROY (WATER STREET) PHASE 1A**Lab Number:** L2231917**Project Number:** TROY (WATER STREET)**Report Date:** 06/20/22**SAMPLE RESULTS**

Lab ID: L2231917-10
 Client ID: AREA 2 ISS TEST PIT 3
 Sample Location: TROY, NEW YORK 12047

Date Collected: 06/15/22 13:15
 Date Received: 06/15/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 06/17/22 09:57
 Analyst: WR
 Percent Solids: 89%

Extraction Method: EPA 3546
 Extraction Date: 06/16/22 17:37
 Cleanup Method: EPA 3665A
 Cleanup Date: 06/17/22
 Cleanup Method: EPA 3660B
 Cleanup Date: 06/17/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	1000	3.14	1	A
Aroclor 1221	ND		ug/kg	1000	3.54	1	A
Aroclor 1232	ND		ug/kg	1000	7.49	1	A
Aroclor 1242	ND		ug/kg	1000	4.76	1	A
Aroclor 1248	ND		ug/kg	1000	5.30	1	A
Aroclor 1254	ND		ug/kg	1000	3.86	1	A
Aroclor 1260	ND		ug/kg	1000	6.53	1	A
Aroclor 1262	ND		ug/kg	1000	4.48	1	A
Aroclor 1268	ND		ug/kg	1000	3.66	1	A
PCBs, Total	ND		ug/kg	1000	3.14	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	104		30-150	B

Project Name: TROY (WATER STREET) PHASE 1A
Project Number: TROY (WATER STREET)

Lab Number: L2231917
Report Date: 06/20/22

SAMPLE RESULTS

Lab ID: L2231917-11
Client ID: AREA 2 TAR MATERIAL
Sample Location: TROY, NEW YORK 12047

Date Collected: 06/15/22 15:00
Date Received: 06/15/22
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/17/22 10:05
Analyst: WR
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 06/16/22 18:48
Cleanup Method: EPA 3665A
Cleanup Date: 06/17/22
Cleanup Method: EPA 3660B
Cleanup Date: 06/17/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	1000	3.08	1	A
Aroclor 1221	ND		ug/kg	1000	3.47	1	A
Aroclor 1232	ND		ug/kg	1000	7.35	1	A
Aroclor 1242	ND		ug/kg	1000	4.67	1	A
Aroclor 1248	ND		ug/kg	1000	5.20	1	A
Aroclor 1254	ND		ug/kg	1000	3.79	1	A
Aroclor 1260	ND		ug/kg	1000	6.41	1	A
Aroclor 1262	ND		ug/kg	1000	4.40	1	A
Aroclor 1268	ND		ug/kg	1000	3.59	1	A
PCBs, Total	ND		ug/kg	1000	3.08	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	A
Decachlorobiphenyl	66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	95		30-150	B

Project Name: TROY (WATER STREET) PHASE 1A
Project Number: TROY (WATER STREET)

Lab Number: L2231917
Report Date: 06/20/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 06/17/22 11:01
 Analyst: WR

Extraction Method: EPA 3546
 Extraction Date: 06/16/22 17:37
 Cleanup Method: EPA 3665A
 Cleanup Date: 06/17/22
 Cleanup Method: EPA 3660B
 Cleanup Date: 06/17/22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-11 Batch: WG1651712-1						
Aroclor 1016	ND		ug/kg	1000	2.78	A
Aroclor 1221	ND		ug/kg	1000	3.14	A
Aroclor 1232	ND		ug/kg	1000	6.64	A
Aroclor 1242	ND		ug/kg	1000	4.22	A
Aroclor 1248	ND		ug/kg	1000	4.70	A
Aroclor 1254	ND		ug/kg	1000	3.43	A
Aroclor 1260	ND		ug/kg	1000	5.79	A
Aroclor 1262	ND		ug/kg	1000	3.98	A
Aroclor 1268	ND		ug/kg	1000	3.24	A
PCBs, Total	ND		ug/kg	1000	2.78	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		30-150	A
Decachlorobiphenyl	61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	95		30-150	B
Decachlorobiphenyl	66		30-150	B

Lab Control Sample Analysis**Batch Quality Control****Project Name:** TROY (WATER STREET) PHASE 1A**Lab Number:** L2231917**Project Number:** TROY (WATER STREET)**Report Date:** 06/20/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-11 Batch: WG1651712-2 WG1651712-3									
Aroclor 1016	109		102		40-140	7		50	A
Aroclor 1260	84		80		40-140	5		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	97		91		30-150	A
Decachlorobiphenyl	67		63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	101		94		30-150	B
Decachlorobiphenyl	71		65		30-150	B

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Project Name: TROY (WATER STREET) PHASE 1A
Project Number: TROY (WATER STREET)

Lab Number: L2231917
Report Date: 06/20/22

SAMPLE RESULTS

Lab ID: L2231917-01
Client ID: AREA 2A TEST PIT 1
Sample Location: TROY, NEW YORK 12047

Date Collected: 06/15/22 11:00
Date Received: 06/15/22
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/19/22 13:55
Analyst: MMG
Percent Solids: 91%
TCLP/SPLP Ext. Date: 06/17/22 03:59

Extraction Method: EPA 3510C
Extraction Date: 06/18/22 22:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Pesticides by EPA 1311 - Westborough Lab							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	ND		ug/l	0.100	0.016	1	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.314	1	A
Chlordane	ND		ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	67		30-150	B

Project Name: TROY (WATER STREET) PHASE 1A
Project Number: TROY (WATER STREET)

Lab Number: L2231917
Report Date: 06/20/22

SAMPLE RESULTS

Lab ID: L2231917-01
Client ID: AREA 2A TEST PIT 1
Sample Location: TROY, NEW YORK 12047

Date Collected: 06/15/22 11:00
Date Received: 06/15/22
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 06/19/22 02:00
Analyst: AKM
Percent Solids: 91%
TCLP/SPLP Ext. Date: 06/17/22 03:59
Methylation Date: 06/18/22 13:19

Extraction Method: EPA 8151A
Extraction Date: 06/18/22 06:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Herbicides by EPA 1311 - Westborough Lab							
2,4-D	ND		mg/l	0.025	0.001	1	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	94		30-150	A
DCAA	97		30-150	B

Project Name: TROY (WATER STREET) PHASE 1A
Project Number: TROY (WATER STREET)

Lab Number: L2231917
Report Date: 06/20/22

SAMPLE RESULTS

Lab ID: L2231917-02
Client ID: AREA 2A TEST PIT 2
Sample Location: TROY, NEW YORK 12047

Date Collected: 06/15/22 11:15
Date Received: 06/15/22
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/19/22 14:07
Analyst: MMG
Percent Solids: 93%
TCLP/SPLP Ext. Date: 06/17/22 03:59

Extraction Method: EPA 3510C
Extraction Date: 06/18/22 22:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Pesticides by EPA 1311 - Westborough Lab							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	ND		ug/l	0.100	0.016	1	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.314	1	A
Chlordane	ND		ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	87		30-150	B
Decachlorobiphenyl	77		30-150	B

Project Name: TROY (WATER STREET) PHASE 1A
Project Number: TROY (WATER STREET)

Lab Number: L2231917
Report Date: 06/20/22

SAMPLE RESULTS

Lab ID: L2231917-02
Client ID: AREA 2A TEST PIT 2
Sample Location: TROY, NEW YORK 12047

Date Collected: 06/15/22 11:15
Date Received: 06/15/22
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 06/19/22 02:18
Analyst: AKM
Percent Solids: 93%
TCLP/SPLP Ext. Date: 06/17/22 03:59
Methylation Date: 06/18/22 13:19

Extraction Method: EPA 8151A
Extraction Date: 06/18/22 06:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Herbicides by EPA 1311 - Westborough Lab							
2,4-D	ND		mg/l	0.025	0.001	1	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	95		30-150	A
DCAA	99		30-150	B

Project Name: TROY (WATER STREET) PHASE 1A
Project Number: TROY (WATER STREET)

Lab Number: L2231917
Report Date: 06/20/22

SAMPLE RESULTS

Lab ID: L2231917-03
Client ID: AREA 2A TEST PIT 3
Sample Location: TROY, NEW YORK 12047

Date Collected: 06/15/22 11:30
Date Received: 06/15/22
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/19/22 14:20
Analyst: MMG
Percent Solids: 96%
TCLP/SPLP Ext. Date: 06/17/22 03:59

Extraction Method: EPA 3510C
Extraction Date: 06/18/22 22:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Pesticides by EPA 1311 - Westborough Lab							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	ND		ug/l	0.100	0.016	1	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.314	1	A
Chlordane	ND		ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	67		30-150	B

Project Name: TROY (WATER STREET) PHASE 1A**Lab Number:** L2231917**Project Number:** TROY (WATER STREET)**Report Date:** 06/20/22**SAMPLE RESULTS**

Lab ID: L2231917-03
 Client ID: AREA 2A TEST PIT 3
 Sample Location: TROY, NEW YORK 12047

Date Collected: 06/15/22 11:30
 Date Received: 06/15/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8151A
 Analytical Date: 06/19/22 02:37
 Analyst: AKM
 Percent Solids: 96%
 TCLP/SPLP Ext. Date: 06/17/22 03:59
 Methylation Date: 06/18/22 13:19

Extraction Method: EPA 8151A
 Extraction Date: 06/18/22 06:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Herbicides by EPA 1311 - Westborough Lab							
2,4-D	ND		mg/l	0.025	0.001	1	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	121		30-150	A
DCAA	121		30-150	B

Project Name: TROY (WATER STREET) PHASE 1A**Lab Number:** L2231917**Project Number:** TROY (WATER STREET)**Report Date:** 06/20/22**SAMPLE RESULTS**

Lab ID: L2231917-04
 Client ID: AREA 2A TEST PIT 4
 Sample Location: TROY, NEW YORK 12047

Date Collected: 06/15/22 11:45
 Date Received: 06/15/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 06/19/22 14:33
 Analyst: MMG
 Percent Solids: 90%
 TCLP/SPLP Ext. Date: 06/17/22 03:59

Extraction Method: EPA 3510C
 Extraction Date: 06/18/22 22:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Pesticides by EPA 1311 - Westborough Lab							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	ND		ug/l	0.100	0.016	1	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.314	1	A
Chlordane	ND		ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: TROY (WATER STREET) PHASE 1A**Lab Number:** L2231917**Project Number:** TROY (WATER STREET)**Report Date:** 06/20/22**SAMPLE RESULTS**

Lab ID: L2231917-04
 Client ID: AREA 2A TEST PIT 4
 Sample Location: TROY, NEW YORK 12047

Date Collected: 06/15/22 11:45
 Date Received: 06/15/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8151A
 Analytical Date: 06/19/22 02:55
 Analyst: AKM
 Percent Solids: 90%
 TCLP/SPLP Ext. Date: 06/17/22 03:59
 Methylation Date: 06/18/22 13:19

Extraction Method: EPA 8151A
 Extraction Date: 06/18/22 06:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Herbicides by EPA 1311 - Westborough Lab							
2,4-D	ND		mg/l	0.025	0.001	1	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	121		30-150	A
DCAA	110		30-150	B

Project Name: TROY (WATER STREET) PHASE 1A
Project Number: TROY (WATER STREET)

Lab Number: L2231917
Report Date: 06/20/22

SAMPLE RESULTS

Lab ID: L2231917-05
Client ID: AREA 2A TEST PIT 5
Sample Location: TROY, NEW YORK 12047

Date Collected: 06/15/22 12:00
Date Received: 06/15/22
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/19/22 14:45
Analyst: MMG
Percent Solids: 93%
TCLP/SPLP Ext. Date: 06/17/22 03:59

Extraction Method: EPA 3510C
Extraction Date: 06/18/22 22:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Pesticides by EPA 1311 - Westborough Lab							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	ND		ug/l	0.100	0.016	1	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.314	1	A
Chlordane	ND		ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	63		30-150	B

Project Name: TROY (WATER STREET) PHASE 1A**Lab Number:** L2231917**Project Number:** TROY (WATER STREET)**Report Date:** 06/20/22**SAMPLE RESULTS**

Lab ID: L2231917-05
 Client ID: AREA 2A TEST PIT 5
 Sample Location: TROY, NEW YORK 12047

Date Collected: 06/15/22 12:00
 Date Received: 06/15/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8151A
 Analytical Date: 06/19/22 03:13
 Analyst: AKM
 Percent Solids: 93%
 TCLP/SPLP Ext. Date: 06/17/22 03:59
 Methylation Date: 06/18/22 13:19

Extraction Method: EPA 8151A
 Extraction Date: 06/18/22 06:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Herbicides by EPA 1311 - Westborough Lab							
2,4-D	ND		mg/l	0.025	0.001	1	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	107		30-150	A
DCAA	90		30-150	B

Project Name: TROY (WATER STREET) PHASE 1A
Project Number: TROY (WATER STREET)

Lab Number: L2231917
Report Date: 06/20/22

SAMPLE RESULTS

Lab ID: L2231917-06
Client ID: AREA 2A TEST PIT 6
Sample Location: TROY, NEW YORK 12047

Date Collected: 06/15/22 12:15
Date Received: 06/15/22
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/19/22 14:58
Analyst: MMG
Percent Solids: 91%
TCLP/SPLP Ext. Date: 06/17/22 03:59

Extraction Method: EPA 3510C
Extraction Date: 06/18/22 22:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Pesticides by EPA 1311 - Westborough Lab							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	ND		ug/l	0.100	0.016	1	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.314	1	A
Chlordane	ND		ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	101		30-150	A
Decachlorobiphenyl	97		30-150	A
2,4,5,6-Tetrachloro-m-xylene	94		30-150	B
Decachlorobiphenyl	82		30-150	B

Project Name: TROY (WATER STREET) PHASE 1A**Lab Number:** L2231917**Project Number:** TROY (WATER STREET)**Report Date:** 06/20/22**SAMPLE RESULTS**

Lab ID: L2231917-06
 Client ID: AREA 2A TEST PIT 6
 Sample Location: TROY, NEW YORK 12047

Date Collected: 06/15/22 12:15
 Date Received: 06/15/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8151A
 Analytical Date: 06/19/22 03:31
 Analyst: AKM
 Percent Solids: 91%
 TCLP/SPLP Ext. Date: 06/17/22 03:59
 Methylation Date: 06/18/22 13:19

Extraction Method: EPA 8151A
 Extraction Date: 06/18/22 06:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Herbicides by EPA 1311 - Westborough Lab							
2,4-D	ND		mg/l	0.025	0.001	1	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	108		30-150	A
DCAA	106		30-150	B

Project Name: TROY (WATER STREET) PHASE 1A**Lab Number:** L2231917**Project Number:** TROY (WATER STREET)**Report Date:** 06/20/22**SAMPLE RESULTS**

Lab ID: L2231917-07
 Client ID: AREA 2A TEST PIT 7
 Sample Location: TROY, NEW YORK 12047

Date Collected: 06/15/22 12:30
 Date Received: 06/15/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 06/19/22 15:10
 Analyst: MMG
 Percent Solids: 92%
 TCLP/SPLP Ext. Date: 06/17/22 03:59

Extraction Method: EPA 3510C
 Extraction Date: 06/18/22 22:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Pesticides by EPA 1311 - Westborough Lab							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	ND		ug/l	0.100	0.016	1	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.314	1	A
Chlordane	ND		ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	66		30-150	B

Project Name: TROY (WATER STREET) PHASE 1A**Lab Number:** L2231917**Project Number:** TROY (WATER STREET)**Report Date:** 06/20/22**SAMPLE RESULTS**

Lab ID: L2231917-07
 Client ID: AREA 2A TEST PIT 7
 Sample Location: TROY, NEW YORK 12047

Date Collected: 06/15/22 12:30
 Date Received: 06/15/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8151A
 Analytical Date: 06/19/22 03:50
 Analyst: AKM
 Percent Solids: 92%
 TCLP/SPLP Ext. Date: 06/17/22 03:59
 Methylation Date: 06/18/22 13:19

Extraction Method: EPA 8151A
 Extraction Date: 06/18/22 06:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Herbicides by EPA 1311 - Westborough Lab							
2,4-D	ND		mg/l	0.025	0.001	1	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	115		30-150	A
DCAA	106		30-150	B

Project Name: TROY (WATER STREET) PHASE 1A
Project Number: TROY (WATER STREET)

Lab Number: L2231917
Report Date: 06/20/22

SAMPLE RESULTS

Lab ID: L2231917-08
Client ID: AREA 2 ISS TEST PIT 1
Sample Location: TROY, NEW YORK 12047

Date Collected: 06/15/22 12:45
Date Received: 06/15/22
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/19/22 15:34
Analyst: MMG
Percent Solids: 88%
TCLP/SPLP Ext. Date: 06/17/22 03:59

Extraction Method: EPA 3510C
Extraction Date: 06/18/22 22:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Pesticides by EPA 1311 - Westborough Lab							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	ND		ug/l	0.100	0.016	1	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.314	1	A
Chlordane	ND		ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	61		30-150	B

Project Name: TROY (WATER STREET) PHASE 1A**Lab Number:** L2231917**Project Number:** TROY (WATER STREET)**Report Date:** 06/20/22**SAMPLE RESULTS**

Lab ID: L2231917-08
 Client ID: AREA 2 ISS TEST PIT 1
 Sample Location: TROY, NEW YORK 12047

Date Collected: 06/15/22 12:45
 Date Received: 06/15/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8151A
 Analytical Date: 06/19/22 04:08
 Analyst: AKM
 Percent Solids: 88%
 TCLP/SPLP Ext. Date: 06/17/22 03:59
 Methylation Date: 06/18/22 13:19

Extraction Method: EPA 8151A
 Extraction Date: 06/18/22 06:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Herbicides by EPA 1311 - Westborough Lab							
2,4-D	ND		mg/l	0.025	0.001	1	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	125		30-150	A
DCAA	120		30-150	B

Project Name: TROY (WATER STREET) PHASE 1A**Lab Number:** L2231917**Project Number:** TROY (WATER STREET)**Report Date:** 06/20/22**SAMPLE RESULTS**

Lab ID: L2231917-09
 Client ID: AREA 2 ISS TEST PIT 2
 Sample Location: TROY, NEW YORK 12047

Date Collected: 06/15/22 13:00
 Date Received: 06/15/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 06/19/22 15:47
 Analyst: MMG
 Percent Solids: 88%
 TCLP/SPLP Ext. Date: 06/17/22 03:59

Extraction Method: EPA 3510C
 Extraction Date: 06/18/22 22:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Pesticides by EPA 1311 - Westborough Lab							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	ND		ug/l	0.100	0.016	1	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.314	1	A
Chlordane	ND		ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	73		30-150	B

Project Name: TROY (WATER STREET) PHASE 1A**Lab Number:** L2231917**Project Number:** TROY (WATER STREET)**Report Date:** 06/20/22**SAMPLE RESULTS**

Lab ID: L2231917-09
 Client ID: AREA 2 ISS TEST PIT 2
 Sample Location: TROY, NEW YORK 12047

Date Collected: 06/15/22 13:00
 Date Received: 06/15/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8151A
 Analytical Date: 06/19/22 04:26
 Analyst: AKM
 Percent Solids: 88%
 TCLP/SPLP Ext. Date: 06/17/22 03:59
 Methylation Date: 06/18/22 13:19

Extraction Method: EPA 8151A
 Extraction Date: 06/18/22 06:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Herbicides by EPA 1311 - Westborough Lab							
2,4-D	ND		mg/l	0.025	0.001	1	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	117		30-150	A
DCAA	103		30-150	B

Project Name: TROY (WATER STREET) PHASE 1A
Project Number: TROY (WATER STREET)

Lab Number: L2231917
Report Date: 06/20/22

SAMPLE RESULTS

Lab ID: L2231917-10
Client ID: AREA 2 ISS TEST PIT 3
Sample Location: TROY, NEW YORK 12047

Date Collected: 06/15/22 13:15
Date Received: 06/15/22
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/19/22 15:59
Analyst: MMG
Percent Solids: 89%
TCLP/SPLP Ext. Date: 06/17/22 03:59

Extraction Method: EPA 3510C
Extraction Date: 06/18/22 22:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Pesticides by EPA 1311 - Westborough Lab							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	ND		ug/l	0.100	0.016	1	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.314	1	A
Chlordane	ND		ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	68		30-150	B

Project Name: TROY (WATER STREET) PHASE 1A**Lab Number:** L2231917**Project Number:** TROY (WATER STREET)**Report Date:** 06/20/22**SAMPLE RESULTS**

Lab ID: L2231917-10
 Client ID: AREA 2 ISS TEST PIT 3
 Sample Location: TROY, NEW YORK 12047

Date Collected: 06/15/22 13:15
 Date Received: 06/15/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8151A
 Analytical Date: 06/19/22 04:45
 Analyst: AKM
 Percent Solids: 89%
 TCLP/SPLP Ext. Date: 06/17/22 03:59
 Methylation Date: 06/18/22 13:19

Extraction Method: EPA 8151A
 Extraction Date: 06/18/22 06:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Herbicides by EPA 1311 - Westborough Lab							
2,4-D	ND		mg/l	0.025	0.001	1	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	81		30-150	A
DCAA	78		30-150	B

Project Name: TROY (WATER STREET) PHASE 1A**Lab Number:** L2231917**Project Number:** TROY (WATER STREET)**Report Date:** 06/20/22**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8151A
 Analytical Date: 06/19/22 00:47
 Analyst: AKM
 TCLP/SPLP Extraction Date: 06/16/22 04:59
 Methylation Date: 06/18/22 13:19

Extraction Method: EPA 8151A
 Extraction Date: 06/18/22 06:04

Parameter	Result	Qualifier	Units	RL	MDL	Column
TCLP Herbicides by EPA 1311 - Westborough Lab for sample(s): 01-10 Batch: WG1652332-1						
2,4-D	ND		mg/l	0.025	0.001	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	100		30-150	A
DCAA	89		30-150	B

Project Name: TROY (WATER STREET) PHASE 1A
Project Number: TROY (WATER STREET)

Lab Number: L2231917
Report Date: 06/20/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 06/19/22 13:04
 Analyst: MMG
 TCLP/SPLP Extraction Date: 06/16/22 04:59

Extraction Method: EPA 3510C
 Extraction Date: 06/18/22 22:08

Parameter	Result	Qualifier	Units	RL	MDL	Column
TCLP Pesticides by EPA 1311 - Westborough Lab for sample(s): 01-10 Batch: WG1652479-1						
Lindane	ND		ug/l	0.100	0.022	A
Heptachlor	ND		ug/l	0.100	0.016	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	A
Endrin	ND		ug/l	0.200	0.021	A
Methoxychlor	ND		ug/l	1.00	0.034	A
Toxaphene	ND		ug/l	1.00	0.314	A
Chlordane	ND		ug/l	1.00	0.232	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	63		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: TROY (WATER STREET) PHASE 1A

Lab Number: L2231917

Project Number: TROY (WATER STREET)

Report Date: 06/20/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
TCLP Herbicides by EPA 1311 - Westborough Lab Associated sample(s): 01-10 Batch: WG1652332-2 WG1652332-3									
2,4-D	111		114		30-150	3		25	A
2,4,5-TP (Silvex)	56		56		30-150	0		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	60		56		30-150	A
DCAA	92		78		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: TROY (WATER STREET) PHASE 1A

Project Number: TROY (WATER STREET)

Lab Number: L2231917

Report Date: 06/20/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
TCLP Pesticides by EPA 1311 - Westborough Lab Associated sample(s): 01-10 Batch: WG1652479-2 WG1652479-3									
Lindane	104		102		30-150	2		20	A
Heptachlor	99		95		30-150	4		20	A
Heptachlor epoxide	99		95		30-150	5		20	A
Endrin	101		96		30-150	5		20	A
Methoxychlor	130		120		30-150	8		20	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	96		92		30-150	A
Decachlorobiphenyl	99		88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		84		30-150	B
Decachlorobiphenyl	80		73		30-150	B

METALS

Project Name: TROY (WATER STREET) PHASE 1A**Lab Number:** L2231917**Project Number:** TROY (WATER STREET)**Report Date:** 06/20/22**SAMPLE RESULTS**

Lab ID: L2231917-01

Date Collected: 06/15/22 11:00

Client ID: AREA 2A TEST PIT 1

Date Received: 06/15/22

Sample Location: TROY, NEW YORK 12047

Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 06/17/22 03:59

Matrix: Soil

Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	06/19/22 13:32	06/20/22 12:38	EPA 3015	1,6010D	EW
Barium, TCLP	0.317	J	mg/l	0.500	0.021	1	06/19/22 13:32	06/20/22 12:38	EPA 3015	1,6010D	EW
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	06/19/22 13:32	06/20/22 12:38	EPA 3015	1,6010D	EW
Chromium, TCLP	ND		mg/l	0.200	0.021	1	06/19/22 13:32	06/20/22 12:38	EPA 3015	1,6010D	EW
Lead, TCLP	0.042	J	mg/l	0.500	0.027	1	06/19/22 13:32	06/20/22 12:38	EPA 3015	1,6010D	EW
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	06/19/22 12:35	06/20/22 12:04	EPA 7470A	1,7470A	AW
Selenium, TCLP	ND		mg/l	0.500	0.035	1	06/19/22 13:32	06/20/22 12:38	EPA 3015	1,6010D	EW
Silver, TCLP	ND		mg/l	0.100	0.028	1	06/19/22 13:32	06/20/22 12:38	EPA 3015	1,6010D	EW



Project Name: TROY (WATER STREET) PHASE 1A**Lab Number:** L2231917**Project Number:** TROY (WATER STREET)**Report Date:** 06/20/22**SAMPLE RESULTS**

Lab ID: L2231917-02

Date Collected: 06/15/22 11:15

Client ID: AREA 2A TEST PIT 2

Date Received: 06/15/22

Sample Location: TROY, NEW YORK 12047

Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 06/17/22 03:59

Matrix: Soil

Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	06/19/22 13:32	06/20/22 12:43	EPA 3015	1,6010D	EW
Barium, TCLP	0.931		mg/l	0.500	0.021	1	06/19/22 13:32	06/20/22 12:43	EPA 3015	1,6010D	EW
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	06/19/22 13:32	06/20/22 12:43	EPA 3015	1,6010D	EW
Chromium, TCLP	ND		mg/l	0.200	0.021	1	06/19/22 13:32	06/20/22 12:43	EPA 3015	1,6010D	EW
Lead, TCLP	0.031	J	mg/l	0.500	0.027	1	06/19/22 13:32	06/20/22 12:43	EPA 3015	1,6010D	EW
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	06/19/22 12:35	06/20/22 12:07	EPA 7470A	1,7470A	AW
Selenium, TCLP	ND		mg/l	0.500	0.035	1	06/19/22 13:32	06/20/22 12:43	EPA 3015	1,6010D	EW
Silver, TCLP	ND		mg/l	0.100	0.028	1	06/19/22 13:32	06/20/22 12:43	EPA 3015	1,6010D	EW



Project Name: TROY (WATER STREET) PHASE 1A**Lab Number:** L2231917**Project Number:** TROY (WATER STREET)**Report Date:** 06/20/22**SAMPLE RESULTS**

Lab ID: L2231917-03

Date Collected: 06/15/22 11:30

Client ID: AREA 2A TEST PIT 3

Date Received: 06/15/22

Sample Location: TROY, NEW YORK 12047

Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 06/17/22 03:59

Matrix: Soil

Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	06/19/22 13:32	06/20/22 12:47	EPA 3015	1,6010D	EW
Barium, TCLP	0.907		mg/l	0.500	0.021	1	06/19/22 13:32	06/20/22 12:47	EPA 3015	1,6010D	EW
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	06/19/22 13:32	06/20/22 12:47	EPA 3015	1,6010D	EW
Chromium, TCLP	ND		mg/l	0.200	0.021	1	06/19/22 13:32	06/20/22 12:47	EPA 3015	1,6010D	EW
Lead, TCLP	0.030	J	mg/l	0.500	0.027	1	06/19/22 13:32	06/20/22 12:47	EPA 3015	1,6010D	EW
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	06/19/22 12:35	06/20/22 12:10	EPA 7470A	1,7470A	AW
Selenium, TCLP	ND		mg/l	0.500	0.035	1	06/19/22 13:32	06/20/22 12:47	EPA 3015	1,6010D	EW
Silver, TCLP	ND		mg/l	0.100	0.028	1	06/19/22 13:32	06/20/22 12:47	EPA 3015	1,6010D	EW



Project Name: TROY (WATER STREET) PHASE 1A**Lab Number:** L2231917**Project Number:** TROY (WATER STREET)**Report Date:** 06/20/22**SAMPLE RESULTS**

Lab ID: L2231917-04

Date Collected: 06/15/22 11:45

Client ID: AREA 2A TEST PIT 4

Date Received: 06/15/22

Sample Location: TROY, NEW YORK 12047

Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 06/17/22 03:59

Matrix: Soil

Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	0.022	J	mg/l	1.00	0.019	1	06/19/22 13:32	06/20/22 12:51	EPA 3015	1,6010D	EW
Barium, TCLP	0.917		mg/l	0.500	0.021	1	06/19/22 13:32	06/20/22 12:51	EPA 3015	1,6010D	EW
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	06/19/22 13:32	06/20/22 12:51	EPA 3015	1,6010D	EW
Chromium, TCLP	ND		mg/l	0.200	0.021	1	06/19/22 13:32	06/20/22 12:51	EPA 3015	1,6010D	EW
Lead, TCLP	0.207	J	mg/l	0.500	0.027	1	06/19/22 13:32	06/20/22 12:51	EPA 3015	1,6010D	EW
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	06/19/22 12:35	06/20/22 12:13	EPA 7470A	1,7470A	AW
Selenium, TCLP	ND		mg/l	0.500	0.035	1	06/19/22 13:32	06/20/22 12:51	EPA 3015	1,6010D	EW
Silver, TCLP	ND		mg/l	0.100	0.028	1	06/19/22 13:32	06/20/22 12:51	EPA 3015	1,6010D	EW



Project Name: TROY (WATER STREET) PHASE 1A**Lab Number:** L2231917**Project Number:** TROY (WATER STREET)**Report Date:** 06/20/22**SAMPLE RESULTS**

Lab ID: L2231917-05

Date Collected: 06/15/22 12:00

Client ID: AREA 2A TEST PIT 5

Date Received: 06/15/22

Sample Location: TROY, NEW YORK 12047

Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 06/17/22 03:59

Matrix: Soil

Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	06/19/22 13:32	06/20/22 12:56	EPA 3015	1,6010D	EW
Barium, TCLP	0.928		mg/l	0.500	0.021	1	06/19/22 13:32	06/20/22 12:56	EPA 3015	1,6010D	EW
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	06/19/22 13:32	06/20/22 12:56	EPA 3015	1,6010D	EW
Chromium, TCLP	ND		mg/l	0.200	0.021	1	06/19/22 13:32	06/20/22 12:56	EPA 3015	1,6010D	EW
Lead, TCLP	ND		mg/l	0.500	0.027	1	06/19/22 13:32	06/20/22 12:56	EPA 3015	1,6010D	EW
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	06/19/22 12:35	06/20/22 12:17	EPA 7470A	1,7470A	AW
Selenium, TCLP	ND		mg/l	0.500	0.035	1	06/19/22 13:32	06/20/22 12:56	EPA 3015	1,6010D	EW
Silver, TCLP	ND		mg/l	0.100	0.028	1	06/19/22 13:32	06/20/22 12:56	EPA 3015	1,6010D	EW



Project Name: TROY (WATER STREET) PHASE 1A**Lab Number:** L2231917**Project Number:** TROY (WATER STREET)**Report Date:** 06/20/22**SAMPLE RESULTS**

Lab ID: L2231917-06

Date Collected: 06/15/22 12:15

Client ID: AREA 2A TEST PIT 6

Date Received: 06/15/22

Sample Location: TROY, NEW YORK 12047

Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 06/17/22 03:59

Matrix: Soil

Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	06/19/22 13:32	06/20/22 13:00	EPA 3015	1,6010D	EW
Barium, TCLP	1.03		mg/l	0.500	0.021	1	06/19/22 13:32	06/20/22 13:00	EPA 3015	1,6010D	EW
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	06/19/22 13:32	06/20/22 13:00	EPA 3015	1,6010D	EW
Chromium, TCLP	ND		mg/l	0.200	0.021	1	06/19/22 13:32	06/20/22 13:00	EPA 3015	1,6010D	EW
Lead, TCLP	0.790		mg/l	0.500	0.027	1	06/19/22 13:32	06/20/22 13:00	EPA 3015	1,6010D	EW
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	06/19/22 12:35	06/20/22 12:21	EPA 7470A	1,7470A	AW
Selenium, TCLP	ND		mg/l	0.500	0.035	1	06/19/22 13:32	06/20/22 13:00	EPA 3015	1,6010D	EW
Silver, TCLP	ND		mg/l	0.100	0.028	1	06/19/22 13:32	06/20/22 13:00	EPA 3015	1,6010D	EW



Project Name: TROY (WATER STREET) PHASE 1A**Lab Number:** L2231917**Project Number:** TROY (WATER STREET)**Report Date:** 06/20/22**SAMPLE RESULTS**

Lab ID: L2231917-07

Date Collected: 06/15/22 12:30

Client ID: AREA 2A TEST PIT 7

Date Received: 06/15/22

Sample Location: TROY, NEW YORK 12047

Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 06/17/22 03:59

Matrix: Soil

Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	06/19/22 13:32	06/20/22 13:59	EPA 3015	1,6010D	EW
Barium, TCLP	0.738		mg/l	0.500	0.021	1	06/19/22 13:32	06/20/22 13:59	EPA 3015	1,6010D	EW
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	06/19/22 13:32	06/20/22 13:59	EPA 3015	1,6010D	EW
Chromium, TCLP	ND		mg/l	0.200	0.021	1	06/19/22 13:32	06/20/22 13:59	EPA 3015	1,6010D	EW
Lead, TCLP	0.133	J	mg/l	0.500	0.027	1	06/19/22 13:32	06/20/22 13:59	EPA 3015	1,6010D	EW
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	06/19/22 12:35	06/20/22 12:24	EPA 7470A	1,7470A	AW
Selenium, TCLP	ND		mg/l	0.500	0.035	1	06/19/22 13:32	06/20/22 13:59	EPA 3015	1,6010D	EW
Silver, TCLP	ND		mg/l	0.100	0.028	1	06/19/22 13:32	06/20/22 13:59	EPA 3015	1,6010D	EW



Project Name: TROY (WATER STREET) PHASE 1A**Lab Number:** L2231917**Project Number:** TROY (WATER STREET)**Report Date:** 06/20/22**SAMPLE RESULTS**

Lab ID: L2231917-08

Date Collected: 06/15/22 12:45

Client ID: AREA 2 ISS TEST PIT 1

Date Received: 06/15/22

Sample Location: TROY, NEW YORK 12047

Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 06/17/22 03:59

Matrix: Soil

Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	06/19/22 13:32	06/20/22 14:55	EPA 3015	1,6010D	EW
Barium, TCLP	0.702		mg/l	0.500	0.021	1	06/19/22 13:32	06/20/22 14:55	EPA 3015	1,6010D	EW
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	06/19/22 13:32	06/20/22 14:55	EPA 3015	1,6010D	EW
Chromium, TCLP	ND		mg/l	0.200	0.021	1	06/19/22 13:32	06/20/22 14:55	EPA 3015	1,6010D	EW
Lead, TCLP	0.028	J	mg/l	0.500	0.027	1	06/19/22 13:32	06/20/22 14:55	EPA 3015	1,6010D	EW
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	06/19/22 12:35	06/20/22 12:27	EPA 7470A	1,7470A	AW
Selenium, TCLP	ND		mg/l	0.500	0.035	1	06/19/22 13:32	06/20/22 14:55	EPA 3015	1,6010D	EW
Silver, TCLP	ND		mg/l	0.100	0.028	1	06/19/22 13:32	06/20/22 14:55	EPA 3015	1,6010D	EW



Project Name: TROY (WATER STREET) PHASE 1A**Lab Number:** L2231917**Project Number:** TROY (WATER STREET)**Report Date:** 06/20/22**SAMPLE RESULTS**

Lab ID: L2231917-09

Date Collected: 06/15/22 13:00

Client ID: AREA 2 ISS TEST PIT 2

Date Received: 06/15/22

Sample Location: TROY, NEW YORK 12047

Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 06/17/22 03:59

Matrix: Soil

Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	0.019	J	mg/l	1.00	0.019	1	06/19/22 13:32	06/20/22 15:00	EPA 3015	1,6010D	EW
Barium, TCLP	0.744		mg/l	0.500	0.021	1	06/19/22 13:32	06/20/22 15:00	EPA 3015	1,6010D	EW
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	06/19/22 13:32	06/20/22 15:00	EPA 3015	1,6010D	EW
Chromium, TCLP	ND		mg/l	0.200	0.021	1	06/19/22 13:32	06/20/22 15:00	EPA 3015	1,6010D	EW
Lead, TCLP	ND		mg/l	0.500	0.027	1	06/19/22 13:32	06/20/22 15:00	EPA 3015	1,6010D	EW
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	06/19/22 12:35	06/20/22 12:30	EPA 7470A	1,7470A	AW
Selenium, TCLP	ND		mg/l	0.500	0.035	1	06/19/22 13:32	06/20/22 15:00	EPA 3015	1,6010D	EW
Silver, TCLP	ND		mg/l	0.100	0.028	1	06/19/22 13:32	06/20/22 15:00	EPA 3015	1,6010D	EW



Project Name: TROY (WATER STREET) PHASE 1A**Lab Number:** L2231917**Project Number:** TROY (WATER STREET)**Report Date:** 06/20/22**SAMPLE RESULTS**

Lab ID: L2231917-10

Date Collected: 06/15/22 13:15

Client ID: AREA 2 ISS TEST PIT 3

Date Received: 06/15/22

Sample Location: TROY, NEW YORK 12047

Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 06/17/22 03:59

Matrix: Soil

Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	06/19/22 13:32	06/20/22 15:04	EPA 3015	1,6010D	EW
Barium, TCLP	0.581		mg/l	0.500	0.021	1	06/19/22 13:32	06/20/22 15:04	EPA 3015	1,6010D	EW
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	06/19/22 13:32	06/20/22 15:04	EPA 3015	1,6010D	EW
Chromium, TCLP	ND		mg/l	0.200	0.021	1	06/19/22 13:32	06/20/22 15:04	EPA 3015	1,6010D	EW
Lead, TCLP	0.041	J	mg/l	0.500	0.027	1	06/19/22 13:32	06/20/22 15:04	EPA 3015	1,6010D	EW
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	06/19/22 12:35	06/20/22 12:41	EPA 7470A	1,7470A	AW
Selenium, TCLP	ND		mg/l	0.500	0.035	1	06/19/22 13:32	06/20/22 15:04	EPA 3015	1,6010D	EW
Silver, TCLP	ND		mg/l	0.100	0.028	1	06/19/22 13:32	06/20/22 15:04	EPA 3015	1,6010D	EW



Project Name: TROY (WATER STREET) PHASE 1A**Lab Number:** L2231917**Project Number:** TROY (WATER STREET)**Report Date:** 06/20/22**SAMPLE RESULTS**

Lab ID: L2231917-11

Date Collected: 06/15/22 15:00

Client ID: AREA 2 TAR MATERIAL

Date Received: 06/15/22

Sample Location: TROY, NEW YORK 12047

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	3610		mg/kg	205	55.3	50	06/17/22 07:20	06/18/22 16:29	EPA 3050B	1,6010D	MC
Antimony, Total	17.4	J	mg/kg	102	7.78	50	06/17/22 07:20	06/18/22 16:29	EPA 3050B	1,6010D	MC
Arsenic, Total	39.5		mg/kg	20.5	4.26	50	06/17/22 07:20	06/18/22 16:29	EPA 3050B	1,6010D	MC
Barium, Total	26.4		mg/kg	20.5	3.56	50	06/17/22 07:20	06/18/22 16:29	EPA 3050B	1,6010D	MC
Beryllium, Total	1.64	J	mg/kg	10.2	0.676	50	06/17/22 07:20	06/18/22 16:29	EPA 3050B	1,6010D	MC
Cadmium, Total	ND		mg/kg	20.5	2.01	50	06/17/22 07:20	06/18/22 16:29	EPA 3050B	1,6010D	MC
Calcium, Total	11700		mg/kg	205	71.7	50	06/17/22 07:20	06/18/22 16:29	EPA 3050B	1,6010D	MC
Chromium, Total	36.9		mg/kg	20.5	1.97	50	06/17/22 07:20	06/18/22 16:29	EPA 3050B	1,6010D	MC
Cobalt, Total	7.58	J	mg/kg	41.0	3.40	50	06/17/22 07:20	06/18/22 16:29	EPA 3050B	1,6010D	MC
Copper, Total	28.1		mg/kg	20.5	5.28	50	06/17/22 07:20	06/18/22 16:29	EPA 3050B	1,6010D	MC
Iron, Total	133000		mg/kg	512	92.5	250	06/17/22 07:20	06/19/22 15:39	EPA 3050B	1,6010D	DL
Lead, Total	40.8	J	mg/kg	102	5.49	50	06/17/22 07:20	06/18/22 16:29	EPA 3050B	1,6010D	MC
Magnesium, Total	1020		mg/kg	205	31.5	50	06/17/22 07:20	06/18/22 16:29	EPA 3050B	1,6010D	MC
Manganese, Total	3170		mg/kg	20.5	3.26	50	06/17/22 07:20	06/18/22 16:29	EPA 3050B	1,6010D	MC
Nickel, Total	11.7	J	mg/kg	51.2	4.96	50	06/17/22 07:20	06/18/22 16:29	EPA 3050B	1,6010D	MC
Potassium, Total	ND		mg/kg	5120	295.	50	06/17/22 07:20	06/18/22 16:29	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	41.0	5.28	50	06/17/22 07:20	06/18/22 16:29	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	20.5	5.80	50	06/17/22 07:20	06/18/22 16:29	EPA 3050B	1,6010D	MC
Sodium, Total	227	J	mg/kg	4100	64.5	50	06/17/22 07:20	06/18/22 16:29	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	41.0	6.45	50	06/17/22 07:20	06/18/22 16:29	EPA 3050B	1,6010D	MC
Vanadium, Total	93.6		mg/kg	20.5	4.16	50	06/17/22 07:20	06/18/22 16:29	EPA 3050B	1,6010D	MC
Zinc, Total	38.3	J	mg/kg	102	6.00	50	06/17/22 07:20	06/18/22 16:29	EPA 3050B	1,6010D	MC



Project Name: TROY (WATER STREET) PHASE 1A

Lab Number: L2231917

Project Number: TROY (WATER STREET)

Report Date: 06/20/22

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 11 Batch: WG1651830-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	06/17/22 07:20	06/17/22 10:50	1,6010D	SB
Antimony, Total	ND		mg/kg	2.00	0.152	1	06/17/22 07:20	06/17/22 10:50	1,6010D	SB
Arsenic, Total	ND		mg/kg	0.400	0.083	1	06/17/22 07:20	06/17/22 10:50	1,6010D	SB
Barium, Total	ND		mg/kg	0.400	0.070	1	06/17/22 07:20	06/17/22 10:50	1,6010D	SB
Beryllium, Total	ND		mg/kg	0.200	0.013	1	06/17/22 07:20	06/17/22 10:50	1,6010D	SB
Cadmium, Total	ND		mg/kg	0.400	0.039	1	06/17/22 07:20	06/17/22 10:50	1,6010D	SB
Calcium, Total	ND		mg/kg	4.00	1.40	1	06/17/22 07:20	06/17/22 10:50	1,6010D	SB
Chromium, Total	ND		mg/kg	0.400	0.038	1	06/17/22 07:20	06/17/22 10:50	1,6010D	SB
Cobalt, Total	ND		mg/kg	0.800	0.066	1	06/17/22 07:20	06/17/22 10:50	1,6010D	SB
Copper, Total	ND		mg/kg	0.400	0.103	1	06/17/22 07:20	06/17/22 10:50	1,6010D	SB
Iron, Total	17.4		mg/kg	2.00	0.361	1	06/17/22 07:20	06/17/22 10:50	1,6010D	SB
Lead, Total	ND		mg/kg	2.00	0.107	1	06/17/22 07:20	06/17/22 10:50	1,6010D	SB
Magnesium, Total	ND		mg/kg	4.00	0.616	1	06/17/22 07:20	06/17/22 10:50	1,6010D	SB
Manganese, Total	0.072	J	mg/kg	0.400	0.064	1	06/17/22 07:20	06/17/22 10:50	1,6010D	SB
Nickel, Total	ND		mg/kg	1.00	0.097	1	06/17/22 07:20	06/17/22 10:50	1,6010D	SB
Potassium, Total	ND		mg/kg	100	5.76	1	06/17/22 07:20	06/17/22 10:50	1,6010D	SB
Selenium, Total	ND		mg/kg	0.800	0.103	1	06/17/22 07:20	06/17/22 10:50	1,6010D	SB
Silver, Total	ND		mg/kg	0.400	0.113	1	06/17/22 07:20	06/17/22 10:50	1,6010D	SB
Sodium, Total	2.62	J	mg/kg	80.0	1.26	1	06/17/22 07:20	06/17/22 10:50	1,6010D	SB
Thallium, Total	ND		mg/kg	0.800	0.126	1	06/17/22 07:20	06/17/22 10:50	1,6010D	SB
Vanadium, Total	ND		mg/kg	0.400	0.081	1	06/17/22 07:20	06/17/22 10:50	1,6010D	SB
Zinc, Total	ND		mg/kg	2.00	0.117	1	06/17/22 07:20	06/17/22 10:50	1,6010D	SB

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01-10 Batch: WG1652564-1										
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	06/19/22 13:32	06/20/22 11:32	1,6010D	EW
Barium, TCLP	ND		mg/l	0.500	0.021	1	06/19/22 13:32	06/20/22 11:32	1,6010D	EW
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	06/19/22 13:32	06/20/22 11:32	1,6010D	EW



Project Name: TROY (WATER STREET) PHASE 1A

Lab Number: L2231917

Project Number: TROY (WATER STREET)

Report Date: 06/20/22

Method Blank Analysis Batch Quality Control

Chromium, TCLP	ND	mg/l	0.200	0.021	1	06/19/22 13:32	06/20/22 11:32	1,6010D	EW
Lead, TCLP	ND	mg/l	0.500	0.027	1	06/19/22 13:32	06/20/22 11:32	1,6010D	EW
Selenium, TCLP	ND	mg/l	0.500	0.035	1	06/19/22 13:32	06/20/22 11:32	1,6010D	EW
Silver, TCLP	ND	mg/l	0.100	0.028	1	06/19/22 13:32	06/20/22 11:32	1,6010D	EW

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 06/16/22 04:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01-10 Batch: WG1652566-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	06/19/22 12:35	06/20/22 11:20	1,7470A	AW

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 06/16/22 04:59

Lab Control Sample Analysis

Batch Quality Control

Project Name: TROY (WATER STREET) PHASE 1A

Lab Number: L2231917

Project Number: TROY (WATER STREET)

Report Date: 06/20/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 11 Batch: WG1651830-2 SRM Lot Number: D113-540								
Aluminum, Total	68		-		51-149	-		
Antimony, Total	157		-		20-250	-		
Arsenic, Total	92		-		70-130	-		
Barium, Total	83		-		75-125	-		
Beryllium, Total	93		-		75-125	-		
Cadmium, Total	95		-		75-125	-		
Calcium, Total	83		-		73-128	-		
Chromium, Total	88		-		70-130	-		
Cobalt, Total	92		-		75-125	-		
Copper, Total	88		-		75-125	-		
Iron, Total	76		-		36-164	-		
Lead, Total	88		-		72-128	-		
Magnesium, Total	83		-		63-138	-		
Manganese, Total	83		-		77-123	-		
Nickel, Total	92		-		70-130	-		
Potassium, Total	76		-		59-141	-		
Selenium, Total	98		-		66-134	-		
Silver, Total	87		-		70-131	-		
Sodium, Total	88		-		35-164	-		
Thallium, Total	98		-		70-130	-		
Vanadium, Total	86		-		74-126	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: TROY (WATER STREET) PHASE 1A

Project Number: TROY (WATER STREET)

Lab Number: L2231917

Report Date: 06/20/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 11 Batch: WG1651830-2 SRM Lot Number: D113-540					
Zinc, Total	89	-	70-130	-	
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-10 Batch: WG1652564-2					
Arsenic, TCLP	107	-	75-125	-	20
Barium, TCLP	96	-	75-125	-	20
Cadmium, TCLP	101	-	75-125	-	20
Chromium, TCLP	98	-	75-125	-	20
Lead, TCLP	95	-	75-125	-	20
Selenium, TCLP	108	-	75-125	-	20
Silver, TCLP	102	-	75-125	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-10 Batch: WG1652566-2					
Mercury, TCLP	106	-	80-120	-	

Matrix Spike Analysis

Batch Quality Control

Project Name: TROY (WATER STREET) PHASE 1A
Project Number: TROY (WATER STREET)

Lab Number: L2231917
Report Date: 06/20/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 11 QC Batch ID: WG1651830-3 QC Sample: L2232210-01 Client ID: MS Sample												
Aluminum, Total	7920	221	11800	1750	Q	-	-		75-125	-		20
Antimony, Total	85.6	55.4	84.8	0	Q	-	-		75-125	-		20
Arsenic, Total	59.4	13.3	69.1	73	Q	-	-		75-125	-		20
Barium, Total	277	221	467	86		-	-		75-125	-		20
Beryllium, Total	1.15	5.54	6.60	98		-	-		75-125	-		20
Cadmium, Total	10.2	5.87	13.8	61	Q	-	-		75-125	-		20
Calcium, Total	15300	1110	23600	750	Q	-	-		75-125	-		20
Chromium, Total	67.8	22.1	65.1	0	Q	-	-		75-125	-		20
Cobalt, Total	12.7	55.4	60.1	86		-	-		75-125	-		20
Copper, Total	9140	27.7	17900	31600	Q	-	-		75-125	-		20
Iron, Total	165000	111	120000	0	Q	-	-		75-125	-		20
Lead, Total	3120	58.7	2460	0	Q	-	-		75-125	-		20
Magnesium, Total	2270	1110	4610	211	Q	-	-		75-125	-		20
Manganese, Total	1120	55.4	1210	162	Q	-	-		75-125	-		20
Nickel, Total	90.8	55.4	127	65	Q	-	-		75-125	-		20
Potassium, Total	300	1110	1520	110		-	-		75-125	-		20
Selenium, Total	5.30	13.3	18.9	102		-	-		75-125	-		20
Silver, Total	3.47	33.2	34.8	94		-	-		75-125	-		20
Sodium, Total	138J	1110	1360	123		-	-		75-125	-		20
Thallium, Total	1.22J	13.3	12.8	96		-	-		75-125	-		20
Vanadium, Total	30.5	55.4	78.2	86		-	-		75-125	-		20

Matrix Spike Analysis

Batch Quality Control

Project Name: TROY (WATER STREET) PHASE 1A

Lab Number: L2231917

Project Number: TROY (WATER STREET)

Report Date: 06/20/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 11 QC Batch ID: WG1651830-3 QC Sample: L2232210-01 Client ID: MS Sample									
Zinc, Total	3500	55.4	3010	0	Q	-	75-125	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-10 QC Batch ID: WG1652564-3 QC Sample: L2231601-01 Client ID: MS Sample									
Arsenic, TCLP	0.114J	1.2	1.35	112	-	-	75-125	-	20
Barium, TCLP	0.034J	20	18.8	94	-	-	75-125	-	20
Cadmium, TCLP	0.074J	0.53	0.595	112	-	-	75-125	-	20
Chromium, TCLP	ND	2	1.92	96	-	-	75-125	-	20
Lead, TCLP	ND	5.3	4.92	93	-	-	75-125	-	20
Selenium, TCLP	ND	1.2	1.27	106	-	-	75-125	-	20
Silver, TCLP	ND	0.5	0.496	99	-	-	75-125	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-10 QC Batch ID: WG1652566-3 QC Sample: L2228291-01 Client ID: MS Sample									
Mercury, TCLP	ND	0.025	0.0251	100	-	-	80-120	-	20

Lab Duplicate Analysis *Batch Quality Control*

Project Name: TROY (WATER STREET) PHASE 1A

Project Number: TROY (WATER STREET)

Lab Number: L2231917

Report Date: 06/20/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 11 QC Batch ID: WG1651830-4 QC Sample: L2232210-01 Client ID: DUP Sample						
Arsenic, Total	59.4	51.1	mg/kg	15		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-10 QC Batch ID: WG1652564-4 QC Sample: L2231601-01 Client ID: DUP Sample						
Arsenic, TCLP	0.114J	0.117J	mg/l	NC		20
Barium, TCLP	0.034J	0.051J	mg/l	NC		20
Cadmium, TCLP	0.074J	0.075J	mg/l	NC		20
Chromium, TCLP	ND	ND	mg/l	NC		20
Lead, TCLP	ND	ND	mg/l	NC		20
Selenium, TCLP	ND	ND	mg/l	NC		20
Silver, TCLP	ND	ND	mg/l	NC		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-10 QC Batch ID: WG1652566-4 QC Sample: L2228291-01 Client ID: DUP Sample						
Mercury, TCLP	ND	ND	mg/l	NC		20

INORGANICS & MISCELLANEOUS

Project Name: TROY (WATER STREET) PHASE 1A
Project Number: TROY (WATER STREET)

Lab Number: L2231917
Report Date: 06/20/22

SAMPLE RESULTS

Lab ID: L2231917-01
Client ID: AREA 2A TEST PIT 1
Sample Location: TROY, NEW YORK 12047

Date Collected: 06/15/22 11:00
Date Received: 06/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material: Unknown
Description of Material: Non-Metallic - Wet Soil
Particle Size: Medium
Preliminary Burning Time (sec): 120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	06/17/22 13:54	1,1030	PA



Project Name: TROY (WATER STREET) PHASE 1A
Project Number: TROY (WATER STREET)

Lab Number: L2231917
Report Date: 06/20/22

SAMPLE RESULTS

Lab ID: L2231917-02
Client ID: AREA 2A TEST PIT 2
Sample Location: TROY, NEW YORK 12047

Date Collected: 06/15/22 11:15
Date Received: 06/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material: Unknown
Description of Material: Non-Metallic - Damp Soil
Particle Size: Medium
Preliminary Burning Time (sec): 120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	06/17/22 13:54	1,1030	PA



Project Name: TROY (WATER STREET) PHASE 1A
Project Number: TROY (WATER STREET)

Lab Number: L2231917
Report Date: 06/20/22

SAMPLE RESULTS

Lab ID: L2231917-03
Client ID: AREA 2A TEST PIT 3
Sample Location: TROY, NEW YORK 12047

Date Collected: 06/15/22 11:30
Date Received: 06/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material: Unknown
Description of Material: Non-Metallic - Damp Soil
Particle Size: Medium
Preliminary Burning Time (sec): 120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	06/17/22 13:54	1,1030	PA



Project Name: TROY (WATER STREET) PHASE 1A
Project Number: TROY (WATER STREET)

Lab Number: L2231917
Report Date: 06/20/22

SAMPLE RESULTS

Lab ID: L2231917-04
Client ID: AREA 2A TEST PIT 4
Sample Location: TROY, NEW YORK 12047

Date Collected: 06/15/22 11:45
Date Received: 06/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material: Unknown
Description of Material: Non-Metallic - Damp Soil
Particle Size: Medium
Preliminary Burning Time (sec): 120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	06/17/22 13:54	1,1030	PA



Project Name: TROY (WATER STREET) PHASE 1A
Project Number: TROY (WATER STREET)

Lab Number: L2231917
Report Date: 06/20/22

SAMPLE RESULTS

Lab ID: L2231917-05
Client ID: AREA 2A TEST PIT 5
Sample Location: TROY, NEW YORK 12047

Date Collected: 06/15/22 12:00
Date Received: 06/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material: Unknown
Description of Material: Non-Metallic - Damp Soil
Particle Size: Medium
Preliminary Burning Time (sec): 120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	06/17/22 13:54	1,1030	PA



Project Name: TROY (WATER STREET) PHASE 1A
Project Number: TROY (WATER STREET)

Lab Number: L2231917
Report Date: 06/20/22

SAMPLE RESULTS

Lab ID: L2231917-06
Client ID: AREA 2A TEST PIT 6
Sample Location: TROY, NEW YORK 12047

Date Collected: 06/15/22 12:15
Date Received: 06/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material: Unknown
Description of Material: Non-Metallic - Damp Soil
Particle Size: Medium
Preliminary Burning Time (sec): 120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	06/17/22 13:54	1,1030	PA



Project Name: TROY (WATER STREET) PHASE 1A
Project Number: TROY (WATER STREET)

Lab Number: L2231917
Report Date: 06/20/22

SAMPLE RESULTS

Lab ID: L2231917-07
Client ID: AREA 2A TEST PIT 7
Sample Location: TROY, NEW YORK 12047

Date Collected: 06/15/22 12:30
Date Received: 06/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material: Unknown
Description of Material: Non-Metallic - Damp Soil
Particle Size: Medium
Preliminary Burning Time (sec): 120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	06/17/22 13:54	1,1030	PA



Project Name: TROY (WATER STREET) PHASE 1A
Project Number: TROY (WATER STREET)

Lab Number: L2231917
Report Date: 06/20/22

SAMPLE RESULTS

Lab ID: L2231917-08
Client ID: AREA 2 ISS TEST PIT 1
Sample Location: TROY, NEW YORK 12047

Date Collected: 06/15/22 12:45
Date Received: 06/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material: Unknown
Description of Material: Non-Metallic - Damp Soil
Particle Size: Medium
Preliminary Burning Time (sec): 120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	06/17/22 13:54	1,1030	PA



Project Name: TROY (WATER STREET) PHASE 1A
Project Number: TROY (WATER STREET)

Lab Number: L2231917
Report Date: 06/20/22

SAMPLE RESULTS

Lab ID: L2231917-09
Client ID: AREA 2 ISS TEST PIT 2
Sample Location: TROY, NEW YORK 12047

Date Collected: 06/15/22 13:00
Date Received: 06/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material: Unknown
Description of Material: Non-Metallic - Damp Soil
Particle Size: Medium
Preliminary Burning Time (sec): 120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	06/17/22 13:54	1,1030	PA



Project Name: TROY (WATER STREET) PHASE 1A
Project Number: TROY (WATER STREET)

Lab Number: L2231917
Report Date: 06/20/22

SAMPLE RESULTS

Lab ID: L2231917-10
Client ID: AREA 2 ISS TEST PIT 3
Sample Location: TROY, NEW YORK 12047

Date Collected: 06/15/22 13:15
Date Received: 06/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material: Unknown
Description of Material: Non-Metallic - Damp Soil
Particle Size: Medium
Preliminary Burning Time (sec): 120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	06/17/22 13:54	1,1030	PA



Project Name: TROY (WATER STREET) PHASE 1A
Project Number: TROY (WATER STREET)

Lab Number: L2231917
Report Date: 06/20/22

SAMPLE RESULTS

Lab ID: L2231917-01
Client ID: AREA 2A TEST PIT 1
Sample Location: TROY, NEW YORK 12047

Date Collected: 06/15/22 11:00
Date Received: 06/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.0		%	0.100	NA	1	-	06/16/22 15:53	121,2540G	TR
pH (H)	7.6		SU	-	NA	1	-	06/16/22 19:09	1,9045D	GB
Cyanide, Reactive	ND		mg/kg	10	10.	1	06/17/22 09:25	06/17/22 12:06	125,7.3	MJ
Sulfide, Reactive	ND		mg/kg	10	10.	1	06/17/22 09:25	06/17/22 11:15	125,7.3	MJ
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	06/16/22 17:07	1,9095B	AS



Project Name: TROY (WATER STREET) PHASE 1A
Project Number: TROY (WATER STREET)

Lab Number: L2231917
Report Date: 06/20/22

SAMPLE RESULTS

Lab ID: L2231917-02
Client ID: AREA 2A TEST PIT 2
Sample Location: TROY, NEW YORK 12047

Date Collected: 06/15/22 11:15
Date Received: 06/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.8		%	0.100	NA	1	-	06/16/22 15:53	121,2540G	TR
pH (H)	8.5		SU	-	NA	1	-	06/16/22 19:09	1,9045D	GB
Cyanide, Reactive	ND		mg/kg	10	10.	1	06/17/22 09:25	06/17/22 12:07	125,7.3	MJ
Sulfide, Reactive	ND		mg/kg	10	10.	1	06/17/22 09:25	06/17/22 11:15	125,7.3	MJ
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	06/16/22 17:07	1,9095B	AS



Project Name: TROY (WATER STREET) PHASE 1A
Project Number: TROY (WATER STREET)

Lab Number: L2231917
Report Date: 06/20/22

SAMPLE RESULTS

Lab ID: L2231917-03
Client ID: AREA 2A TEST PIT 3
Sample Location: TROY, NEW YORK 12047

Date Collected: 06/15/22 11:30
Date Received: 06/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	95.8		%	0.100	NA	1	-	06/16/22 15:53	121,2540G	TR
pH (H)	8.1		SU	-	NA	1	-	06/16/22 19:09	1,9045D	GB
Cyanide, Reactive	ND		mg/kg	10	10.	1	06/17/22 09:25	06/17/22 12:07	125,7.3	MJ
Sulfide, Reactive	ND		mg/kg	10	10.	1	06/17/22 09:25	06/17/22 11:16	125,7.3	MJ
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	06/16/22 17:07	1,9095B	AS



Project Name: TROY (WATER STREET) PHASE 1A
Project Number: TROY (WATER STREET)

Lab Number: L2231917
Report Date: 06/20/22

SAMPLE RESULTS

Lab ID: L2231917-04
Client ID: AREA 2A TEST PIT 4
Sample Location: TROY, NEW YORK 12047

Date Collected: 06/15/22 11:45
Date Received: 06/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.0		%	0.100	NA	1	-	06/16/22 15:53	121,2540G	TR
pH (H)	8.1		SU	-	NA	1	-	06/16/22 19:09	1,9045D	GB
Cyanide, Reactive	ND		mg/kg	10	10.	1	06/17/22 09:25	06/17/22 12:08	125,7.3	MJ
Sulfide, Reactive	ND		mg/kg	10	10.	1	06/17/22 09:25	06/17/22 11:16	125,7.3	MJ
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	06/16/22 17:07	1,9095B	AS



Project Name: TROY (WATER STREET) PHASE 1A
Project Number: TROY (WATER STREET)

Lab Number: L2231917
Report Date: 06/20/22

SAMPLE RESULTS

Lab ID: L2231917-05
Client ID: AREA 2A TEST PIT 5
Sample Location: TROY, NEW YORK 12047

Date Collected: 06/15/22 12:00
Date Received: 06/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.8		%	0.100	NA	1	-	06/16/22 15:53	121,2540G	TR
pH (H)	8.5		SU	-	NA	1	-	06/16/22 19:09	1,9045D	GB
Cyanide, Reactive	ND		mg/kg	10	10.	1	06/17/22 09:25	06/17/22 12:08	125,7.3	MJ
Sulfide, Reactive	ND		mg/kg	10	10.	1	06/17/22 09:25	06/17/22 11:17	125,7.3	MJ
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	06/16/22 17:07	1,9095B	AS



Project Name: TROY (WATER STREET) PHASE 1A
Project Number: TROY (WATER STREET)

Lab Number: L2231917
Report Date: 06/20/22

SAMPLE RESULTS

Lab ID: L2231917-06
Client ID: AREA 2A TEST PIT 6
Sample Location: TROY, NEW YORK 12047

Date Collected: 06/15/22 12:15
Date Received: 06/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.8		%	0.100	NA	1	-	06/16/22 15:53	121,2540G	TR
pH (H)	8.2		SU	-	NA	1	-	06/16/22 19:09	1,9045D	GB
Cyanide, Reactive	ND		mg/kg	10	10.	1	06/17/22 09:25	06/17/22 12:09	125,7.3	MJ
Sulfide, Reactive	ND		mg/kg	10	10.	1	06/17/22 09:25	06/17/22 11:17	125,7.3	MJ
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	06/16/22 17:07	1,9095B	AS



Project Name: TROY (WATER STREET) PHASE 1A
Project Number: TROY (WATER STREET)

Lab Number: L2231917
Report Date: 06/20/22

SAMPLE RESULTS

Lab ID: L2231917-07
Client ID: AREA 2A TEST PIT 7
Sample Location: TROY, NEW YORK 12047

Date Collected: 06/15/22 12:30
Date Received: 06/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.2		%	0.100	NA	1	-	06/16/22 15:53	121,2540G	TR
pH (H)	8.1		SU	-	NA	1	-	06/16/22 19:09	1,9045D	GB
Cyanide, Reactive	ND		mg/kg	10	10.	1	06/17/22 09:25	06/17/22 12:10	125,7.3	MJ
Sulfide, Reactive	ND		mg/kg	10	10.	1	06/17/22 09:25	06/17/22 11:19	125,7.3	MJ
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	06/16/22 17:07	1,9095B	AS



Project Name: TROY (WATER STREET) PHASE 1A
Project Number: TROY (WATER STREET)

Lab Number: L2231917
Report Date: 06/20/22

SAMPLE RESULTS

Lab ID: L2231917-08
Client ID: AREA 2 ISS TEST PIT 1
Sample Location: TROY, NEW YORK 12047

Date Collected: 06/15/22 12:45
Date Received: 06/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.2		%	0.100	NA	1	-	06/16/22 15:53	121,2540G	TR
pH (H)	7.9		SU	-	NA	1	-	06/16/22 19:09	1,9045D	GB
Cyanide, Reactive	ND		mg/kg	10	10.	1	06/17/22 09:25	06/17/22 12:11	125,7.3	MJ
Sulfide, Reactive	ND		mg/kg	10	10.	1	06/17/22 09:25	06/17/22 11:20	125,7.3	MJ
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	06/16/22 17:07	1,9095B	AS



Project Name: TROY (WATER STREET) PHASE 1A
Project Number: TROY (WATER STREET)

Lab Number: L2231917
Report Date: 06/20/22

SAMPLE RESULTS

Lab ID: L2231917-09
Client ID: AREA 2 ISS TEST PIT 2
Sample Location: TROY, NEW YORK 12047

Date Collected: 06/15/22 13:00
Date Received: 06/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.5		%	0.100	NA	1	-	06/16/22 15:53	121,2540G	TR
pH (H)	8.1		SU	-	NA	1	-	06/16/22 19:09	1,9045D	GB
Cyanide, Reactive	ND		mg/kg	10	10.	1	06/17/22 09:25	06/17/22 12:11	125,7.3	MJ
Sulfide, Reactive	ND		mg/kg	10	10.	1	06/17/22 09:25	06/17/22 11:20	125,7.3	MJ
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	06/16/22 17:07	1,9095B	AS



Project Name: TROY (WATER STREET) PHASE 1A
Project Number: TROY (WATER STREET)

Lab Number: L2231917
Report Date: 06/20/22

SAMPLE RESULTS

Lab ID: L2231917-10
Client ID: AREA 2 ISS TEST PIT 3
Sample Location: TROY, NEW YORK 12047

Date Collected: 06/15/22 13:15
Date Received: 06/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.6		%	0.100	NA	1	-	06/16/22 15:53	121,2540G	TR
pH (H)	7.5		SU	-	NA	1	-	06/16/22 19:09	1,9045D	GB
Cyanide, Reactive	ND		mg/kg	10	10.	1	06/19/22 21:20	06/20/22 00:26	125,7.3	RM
Sulfide, Reactive	ND		mg/kg	10	10.	1	06/19/22 21:20	06/19/22 23:01	125,7.3	RM
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	06/16/22 17:07	1,9095B	AS



Project Name: TROY (WATER STREET) PHASE 1A
Project Number: TROY (WATER STREET)

Lab Number: L2231917
Report Date: 06/20/22

SAMPLE RESULTS

Lab ID: L2231917-11
Client ID: AREA 2 TAR MATERIAL
Sample Location: TROY, NEW YORK 12047

Date Collected: 06/15/22 15:00
Date Received: 06/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.9		%	0.100	NA	1	-	06/16/22 15:53	121,2540G	TR
Cyanide, Total	ND		mg/kg	1.1	0.23	1	06/17/22 11:00	06/17/22 13:57	1,9010C/9012B	CS



Project Name: TROY (WATER STREET) PHASE 1A
Project Number: TROY (WATER STREET)

Lab Number: L2231917
Report Date: 06/20/22

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-09 Batch: WG1651509-1										
Sulfide, Reactive	ND		mg/kg	10	10.	1	06/17/22 09:25	06/17/22 11:06	125,7.3	MJ
General Chemistry - Westborough Lab for sample(s): 01-09 Batch: WG1651910-1										
Cyanide, Reactive	ND		mg/kg	10	10.	1	06/17/22 09:25	06/17/22 11:58	125,7.3	MJ
General Chemistry - Westborough Lab for sample(s): 11 Batch: WG1651957-1										
Cyanide, Total	ND		mg/kg	0.94	0.20	1	06/17/22 11:00	06/17/22 13:40	1,9010C/9012B	CS
General Chemistry - Westborough Lab for sample(s): 10 Batch: WG1652656-1										
Sulfide, Reactive	ND		mg/kg	10	10.	1	06/19/22 21:20	06/19/22 22:52	125,7.3	RM
General Chemistry - Westborough Lab for sample(s): 10 Batch: WG1652659-1										
Cyanide, Reactive	ND		mg/kg	10	10.	1	06/19/22 21:20	06/20/22 00:17	125,7.3	RM

Lab Control Sample Analysis

Batch Quality Control

Project Name: TROY (WATER STREET) PHASE 1A

Project Number: TROY (WATER STREET)

Lab Number: L2231917

Report Date: 06/20/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-09 Batch: WG1651509-2								
Sulfide, Reactive	87		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01-10 Batch: WG1651691-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01-09 Batch: WG1651910-2								
Cyanide, Reactive	77		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 11 Batch: WG1651957-2 WG1651957-3								
Cyanide, Total	61	Q	88		80-120	45	Q	35
General Chemistry - Westborough Lab Associated sample(s): 10 Batch: WG1652656-2								
Sulfide, Reactive	80		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 10 Batch: WG1652659-2								
Cyanide, Reactive	82		-		30-125	-		40

Matrix Spike Analysis

Batch Quality Control

Project Name: TROY (WATER STREET) PHASE 1A
Project Number: TROY (WATER STREET)

Lab Number: L2231917
Report Date: 06/20/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 11 QC Batch ID: WG1651957-4 WG1651957-5 QC Sample: L2231663-01 Client ID: MS Sample												
Cyanide, Total	ND	9.9	9.1	92		9.7	99		75-125	6		35

Lab Duplicate Analysis

Batch Quality Control

Project Name: TROY (WATER STREET) PHASE 1A

Project Number: TROY (WATER STREET)

Lab Number: L2231917

Report Date: 06/20/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG1651509-3 QC Sample: L2231862-01 Client ID: DUP Sample						
Sulfide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 01-11 QC Batch ID: WG1651644-1 QC Sample: L2231601-01 Client ID: DUP Sample						
Solids, Total	61.5	58.1	%	6		20
General Chemistry - Westborough Lab Associated sample(s): 01-10 QC Batch ID: WG1651691-2 QC Sample: L2231865-01 Client ID: DUP Sample						
pH	8.4	8.1	SU	4		5
General Chemistry - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG1651910-3 QC Sample: L2231862-01 Client ID: DUP Sample						
Cyanide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 10 QC Batch ID: WG1652656-3 QC Sample: L2231788-01 Client ID: DUP Sample						
Sulfide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 10 QC Batch ID: WG1652659-3 QC Sample: L2231788-01 Client ID: DUP Sample						
Cyanide, Reactive	ND	ND	mg/kg	NC		40

Project Name: TROY (WATER STREET) PHASE 1A**Lab Number:** L2231917**Project Number:** TROY (WATER STREET)**Report Date:** 06/20/22**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2231917-01A	Plastic 2oz unpreserved for TS	B	NA		4.4	Y	Absent		TS(7)
L2231917-01B	Glass 120ml/4oz unpreserved	B	NA		4.4	Y	Absent		IGNIT-1030(14),REACTS(14),PH-9045(1),PAINTF(),NYTCL-8082(365),REACTCN(14)
L2231917-01C	Vial Large Septa unpreserved (4oz)	B	NA		4.4	Y	Absent		TCLP-EXT-ZHE(14)
L2231917-01D	Glass 500ml/16oz unpreserved	B	NA		4.4	Y	Absent		IGNIT-1030(14),REACTS(14),PH-9045(1),PAINTF(),NYTCL-8082(365),REACTCN(14)
L2231917-01W	Amber 1000ml unpreserved Extracts	B	NA		4.4	Y	Absent		TCLP-8270(14),PEST-TCLP*(14),HERB-TCLP*(14)
L2231917-01X	Plastic 120ml HNO3 preserved Extracts	B	NA		4.4	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),SE-CI(180),CR-CI(180),AG-CI(180)
L2231917-01X9	Tumble Vessel	B	NA		4.4	Y	Absent		-
L2231917-01Y	Vial unpreserved Extracts	B	NA		4.4	Y	Absent		TCLP-VOA(14)
L2231917-01Z	Vial unpreserved Extracts	B	NA		4.4	Y	Absent		TCLP-VOA(14)
L2231917-02A	Plastic 2oz unpreserved for TS	A	NA		4.0	Y	Absent		TS(7)
L2231917-02B	Glass 120ml/4oz unpreserved	A	NA		4.0	Y	Absent		IGNIT-1030(14),REACTS(14),PH-9045(1),PAINTF(),NYTCL-8082(365),REACTCN(14)
L2231917-02C	Vial Large Septa unpreserved (4oz)	A	NA		4.0	Y	Absent		TCLP-EXT-ZHE(14)
L2231917-02D	Glass 500ml/16oz unpreserved	A	NA		4.0	Y	Absent		IGNIT-1030(14),REACTS(14),PH-9045(1),PAINTF(),NYTCL-8082(365),REACTCN(14)
L2231917-02W	Amber 1000ml unpreserved Extracts	A	NA		4.0	Y	Absent		TCLP-8270(14),HERB-TCLP*(14),PEST-TCLP*(14)
L2231917-02X	Plastic 120ml HNO3 preserved Extracts	A	NA		4.0	Y	Absent		CD-CI(180),BA-CI(180),AS-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L2231917-02X9	Tumble Vessel	A	NA		4.0	Y	Absent		-

Project Name: TROY (WATER STREET) PHASE 1A**Lab Number:** L2231917**Project Number:** TROY (WATER STREET)**Report Date:** 06/20/22**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2231917-02Y	Vial unpreserved Extracts	A	NA		4.0	Y	Absent		TCLP-VOA(14)
L2231917-02Z	Vial unpreserved Extracts	A	NA		4.0	Y	Absent		TCLP-VOA(14)
L2231917-03A	Plastic 2oz unpreserved for TS	A	NA		4.0	Y	Absent		TS(7)
L2231917-03B	Glass 120ml/4oz unpreserved	A	NA		4.0	Y	Absent		REACTS(14),IGNIT-1030(14),PH-9045(1),PAINTF(),NYTCL-8082(365),REACTCN(14)
L2231917-03C	Vial Large Septa unpreserved (4oz)	A	NA		4.0	Y	Absent		TCLP-EXT-ZHE(14)
L2231917-03D	Glass 500ml/16oz unpreserved	A	NA		4.0	Y	Absent		REACTS(14),IGNIT-1030(14),PH-9045(1),PAINTF(),NYTCL-8082(365),REACTCN(14)
L2231917-03W	Amber 1000ml unpreserved Extracts	A	NA		4.0	Y	Absent		TCLP-8270(14),PEST-TCLP*(14),HERB-TCLP*(14)
L2231917-03X	Plastic 120ml HNO3 preserved Extracts	A	NA		4.0	Y	Absent		CD-CI(180),BA-CI(180),AS-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L2231917-03X9	Tumble Vessel	A	NA		4.0	Y	Absent		-
L2231917-03Y	Vial unpreserved Extracts	A	NA		4.0	Y	Absent		TCLP-VOA(14)
L2231917-03Z	Vial unpreserved Extracts	A	NA		4.0	Y	Absent		TCLP-VOA(14)
L2231917-04A	Plastic 2oz unpreserved for TS	B	NA		4.4	Y	Absent		TS(7)
L2231917-04B	Glass 120ml/4oz unpreserved	B	NA		4.4	Y	Absent		IGNIT-1030(14),REACTS(14),PH-9045(1),PAINTF(),NYTCL-8082(365),REACTCN(14)
L2231917-04C	Vial Large Septa unpreserved (4oz)	B	NA		4.4	Y	Absent		TCLP-EXT-ZHE(14)
L2231917-04D	Glass 500ml/16oz unpreserved	B	NA		4.4	Y	Absent		IGNIT-1030(14),REACTS(14),PH-9045(1),PAINTF(),NYTCL-8082(365),REACTCN(14)
L2231917-04W	Amber 1000ml unpreserved Extracts	B	NA		4.4	Y	Absent		TCLP-8270(14),HERB-TCLP*(14),PEST-TCLP*(14)
L2231917-04X	Plastic 120ml HNO3 preserved Extracts	B	NA		4.4	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L2231917-04X9	Tumble Vessel	B	NA		4.4	Y	Absent		-
L2231917-04Y	Vial unpreserved Extracts	B	NA		4.4	Y	Absent		TCLP-VOA(14)
L2231917-04Z	Vial unpreserved Extracts	B	NA		4.4	Y	Absent		TCLP-VOA(14)
L2231917-05A	Plastic 2oz unpreserved for TS	B	NA		4.4	Y	Absent		TS(7)
L2231917-05B	Glass 120ml/4oz unpreserved	B	NA		4.4	Y	Absent		REACTS(14),IGNIT-1030(14),PH-9045(1),PAINTF(),NYTCL-8082(365),REACTCN(14)

Project Name: TROY (WATER STREET) PHASE 1A**Lab Number:** L2231917**Project Number:** TROY (WATER STREET)**Report Date:** 06/20/22**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2231917-05C	Vial Large Septa unpreserved (4oz)	B	NA		4.4	Y	Absent		TCLP-EXT-ZHE(14)
L2231917-05D	Glass 500ml/16oz unpreserved	B	NA		4.4	Y	Absent		REACTS(14),IGNIT-1030(14),PH-9045(1),PAINTF(),NYTCL-8082(365),REACTCN(14)
L2231917-05W	Amber 1000ml unpreserved Extracts	B	NA		4.4	Y	Absent		TCLP-8270(14),HERB-TCLP*(14),PEST-TCLP*(14)
L2231917-05X	Plastic 120ml HNO3 preserved Extracts	B	NA		4.4	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),SE-CI(180),CR-CI(180),AG-CI(180)
L2231917-05X9	Tumble Vessel	B	NA		4.4	Y	Absent		-
L2231917-05Y	Vial unpreserved Extracts	B	NA		4.4	Y	Absent		TCLP-VOA(14)
L2231917-05Z	Vial unpreserved Extracts	B	NA		4.4	Y	Absent		TCLP-VOA(14)
L2231917-06A	Plastic 2oz unpreserved for TS	B	NA		4.4	Y	Absent		TS(7)
L2231917-06B	Glass 120ml/4oz unpreserved	B	NA		4.4	Y	Absent		REACTS(14),IGNIT-1030(14),PH-9045(1),PAINTF(),REACTCN(14),NYTCL-8082(365)
L2231917-06C	Vial Large Septa unpreserved (4oz)	B	NA		4.4	Y	Absent		TCLP-EXT-ZHE(14)
L2231917-06D	Glass 500ml/16oz unpreserved	B	NA		4.4	Y	Absent		REACTS(14),IGNIT-1030(14),PH-9045(1),PAINTF(),REACTCN(14),NYTCL-8082(365)
L2231917-06W	Amber 1000ml unpreserved Extracts	B	NA		4.4	Y	Absent		TCLP-8270(14),HERB-TCLP*(14),PEST-TCLP*(14)
L2231917-06X	Plastic 120ml HNO3 preserved Extracts	B	NA		4.4	Y	Absent		CD-CI(180),BA-CI(180),AS-CI(180),HG-C(28),PB-CI(180),SE-CI(180),CR-CI(180),AG-CI(180)
L2231917-06X9	Tumble Vessel	B	NA		4.4	Y	Absent		-
L2231917-06Y	Vial unpreserved Extracts	B	NA		4.4	Y	Absent		TCLP-VOA(14)
L2231917-06Z	Vial unpreserved Extracts	B	NA		4.4	Y	Absent		TCLP-VOA(14)
L2231917-07A	Plastic 2oz unpreserved for TS	B	NA		4.4	Y	Absent		TS(7)
L2231917-07B	Glass 120ml/4oz unpreserved	B	NA		4.4	Y	Absent		IGNIT-1030(14),REACTS(14),PH-9045(1),PAINTF(),NYTCL-8082(365),REACTCN(14)
L2231917-07C	Vial Large Septa unpreserved (4oz)	B	NA		4.4	Y	Absent		TCLP-EXT-ZHE(14)
L2231917-07D	Glass 500ml/16oz unpreserved	B	NA		4.4	Y	Absent		IGNIT-1030(14),REACTS(14),PH-9045(1),PAINTF(),NYTCL-8082(365),REACTCN(14)
L2231917-07W	Amber 1000ml unpreserved Extracts	B	NA		4.4	Y	Absent		TCLP-8270(14),HERB-TCLP*(14),PEST-TCLP*(14)

Project Name: TROY (WATER STREET) PHASE 1A**Lab Number:** L2231917**Project Number:** TROY (WATER STREET)**Report Date:** 06/20/22**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2231917-07X	Plastic 120ml HNO3 preserved Extracts	B	NA		4.4	Y	Absent		CD-CI(180),BA-CI(180),AS-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L2231917-07X9	Tumble Vessel	B	NA		4.4	Y	Absent		-
L2231917-07Y	Vial unpreserved Extracts	B	NA		4.4	Y	Absent		TCLP-VOA(14)
L2231917-07Z	Vial unpreserved Extracts	B	NA		4.4	Y	Absent		TCLP-VOA(14)
L2231917-08A	Plastic 2oz unpreserved for TS	A	NA		4.0	Y	Absent		TS(7)
L2231917-08B	Glass 120ml/4oz unpreserved	A	NA		4.0	Y	Absent		IGNIT-1030(14),REACTS(14),PH-9045(1),PAINTF(),REACTCN(14),NYTCL-8082(365)
L2231917-08C	Vial Large Septa unpreserved (4oz)	A	NA		4.0	Y	Absent		TCLP-EXT-ZHE(14)
L2231917-08D	Glass 500ml/16oz unpreserved	A	NA		4.0	Y	Absent		IGNIT-1030(14),REACTS(14),PH-9045(1),PAINTF(),REACTCN(14),NYTCL-8082(365)
L2231917-08W	Amber 1000ml unpreserved Extracts	A	NA		4.0	Y	Absent		TCLP-8270(14),PEST-TCLP*(14),HERB-TCLP*(14)
L2231917-08X	Plastic 120ml HNO3 preserved Extracts	A	NA		4.0	Y	Absent		CD-CI(180),BA-CI(180),AS-CI(180),HG-C(28),PB-CI(180),SE-CI(180),CR-CI(180),AG-CI(180)
L2231917-08X9	Tumble Vessel	A	NA		4.0	Y	Absent		-
L2231917-08Y	Vial unpreserved Extracts	A	NA		4.0	Y	Absent		TCLP-VOA(14)
L2231917-08Z	Vial unpreserved Extracts	A	NA		4.0	Y	Absent		TCLP-VOA(14)
L2231917-09A	Plastic 2oz unpreserved for TS	A	NA		4.0	Y	Absent		TS(7)
L2231917-09B	Glass 120ml/4oz unpreserved	A	NA		4.0	Y	Absent		IGNIT-1030(14),REACTS(14),PH-9045(1),PAINTF(),REACTCN(14),NYTCL-8082(365)
L2231917-09C	Vial Large Septa unpreserved (4oz)	A	NA		4.0	Y	Absent		TCLP-EXT-ZHE(14)
L2231917-09D	Glass 500ml/16oz unpreserved	A	NA		4.0	Y	Absent		IGNIT-1030(14),REACTS(14),PH-9045(1),PAINTF(),REACTCN(14),NYTCL-8082(365)
L2231917-09W	Amber 1000ml unpreserved Extracts	A	NA		4.0	Y	Absent		TCLP-8270(14),HERB-TCLP*(14),PEST-TCLP*(14)
L2231917-09X	Plastic 120ml HNO3 preserved Extracts	A	NA		4.0	Y	Absent		CD-CI(180),BA-CI(180),AS-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L2231917-09X9	Tumble Vessel	A	NA		4.0	Y	Absent		-
L2231917-09Y	Vial unpreserved Extracts	A	NA		4.0	Y	Absent		TCLP-VOA(14)
L2231917-09Z	Vial unpreserved Extracts	A	NA		4.0	Y	Absent		TCLP-VOA(14)

Project Name: TROY (WATER STREET) PHASE 1A**Lab Number:** L2231917**Project Number:** TROY (WATER STREET)**Report Date:** 06/20/22**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2231917-10A	Plastic 2oz unpreserved for TS	B	NA		4.4	Y	Absent		TS(7)
L2231917-10B	Glass 120ml/4oz unpreserved	B	NA		4.4	Y	Absent		IGNIT-1030(14),REACTS(14),PH-9045(1),PAINTF(),NYTCL-8082(365),REACTCN(14)
L2231917-10C	Vial Large Septa unpreserved (4oz)	B	NA		4.4	Y	Absent		TCLP-EXT-ZHE(14)
L2231917-10D	Glass 500ml/16oz unpreserved	B	NA		4.4	Y	Absent		IGNIT-1030(14),REACTS(14),PH-9045(1),PAINTF(),NYTCL-8082(365),REACTCN(14)
L2231917-10W	Amber 1000ml unpreserved Extracts	B	NA		4.4	Y	Absent		TCLP-8270(14),HERB-TCLP*(14),PEST-TCLP*(14)
L2231917-10X	Plastic 120ml HNO3 preserved Extracts	B	NA		4.4	Y	Absent		CD-CI(180),BA-CI(180),AS-CI(180),HG-C(28),PB-CI(180),SE-CI(180),CR-CI(180),AG-CI(180)
L2231917-10X9	Tumble Vessel	B	NA		4.4	Y	Absent		-
L2231917-10Y	Vial unpreserved Extracts	B	NA		4.4	Y	Absent		TCLP-VOA(14)
L2231917-10Z	Vial unpreserved Extracts	B	NA		4.4	Y	Absent		TCLP-VOA(14)
L2231917-11A	Vial MeOH preserved	A	NA		4.0	Y	Absent		TPH-GRO(14),NYTCL-8260HLW-R2(14)
L2231917-11B	Vial water preserved	A	NA		4.0	Y	Absent	16-JUN-22 13:37	NYTCL-8260HLW-R2(14)
L2231917-11C	Vial water preserved	A	NA		4.0	Y	Absent	16-JUN-22 13:37	NYTCL-8260HLW-R2(14)
L2231917-11D	Plastic 2oz unpreserved for TS	A	NA		4.0	Y	Absent		TS(7)
L2231917-11E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.0	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),SE-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),MN-TI(180),FE-TI(180),HG-T(28),MG-TI(180),K-TI(180),NA-TI(180),CD-TI(180),CA-TI(180)
L2231917-11F	Vial Large Septa unpreserved (4oz)	A	NA		4.0	Y	Absent		TCLP-EXT-ZHE(14)
L2231917-11G	Glass 250ml/8oz unpreserved	A	NA		4.0	Y	Absent		NYTCL-8270(14),TCN-9010(14),TPH-DRO(14),NYTCL-8082(365)
L2231917-11H	Glass 250ml/8oz unpreserved	A	NA		4.0	Y	Absent		NYTCL-8270(14),TCN-9010(14),TPH-DRO(14),NYTCL-8082(365)
L2231917-11I	Glass 250ml/8oz unpreserved	A	NA		4.0	Y	Absent		SUB-PERCENT-SULFUR(180),SUB-BTU()
L2231917-11X	Vial MeOH preserved split	NA	NA			Y	Absent		NYTCL-8260HLW-R2(14)
L2231917-11Y	Vial unpreserved Extracts	A	NA		4.0	Y	Absent		TCLP-VOA(14)
L2231917-11Z	Vial unpreserved Extracts	A	NA		4.0	Y	Absent		TCLP-VOA(14)

Project Name: TROY (WATER STREET) PHASE 1A
Project Number: TROY (WATER STREET)

Lab Number: L2231917
Report Date: 06/20/22

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers



Project Name: TROY (WATER STREET) PHASE 1A
Project Number: TROY (WATER STREET)

Lab Number: L2231917
Report Date: 06/20/22

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers



Project Name: TROY (WATER STREET) PHASE 1A
Project Number: TROY (WATER STREET)

Lab Number: L2231917
Report Date: 06/20/22

Data Qualifiers

Identified Compounds (TICs).

- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: DU Report with 'J' Qualifiers



Project Name: TROY (WATER STREET) PHASE 1A
Project Number: TROY (WATER STREET)

Lab Number: L2231917
Report Date: 06/20/22

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.
- 125 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates IIIA, April 1998.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Alpha Analytical, Inc.Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

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Published Date: 4/2/2021 1:14:23 PM

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Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 625/625.1:** alpha-Terpineol**EPA 8260C/8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D/8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H-B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,****SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.****EPA 522, EPA 537.1.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1 Hg.****SM2340B**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

[illegible]



ANALYTICAL REPORT

Lab Number:	L2239480
Client:	Land Remediation, Inc. 74 Hudson River Road Waterford, NY 12188
ATTN:	Jonathan Borrelli
Phone:	(203) 233-4100
Project Name:	TROY FORMER MGP SITE
Project Number:	TROY FORMER MGP SITE
Report Date:	02/14/23

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: TROY FORMER MGP SITE
Project Number: TROY FORMER MGP SITE

Lab Number: L2239480
Report Date: 02/14/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2239480-01	AREA 2 ISS TEST PIT 4	SOIL	8000 MAIN STREET, TROY, NY, 12180	07/22/22 12:00	07/22/22
L2239480-02	AREA 2 ISS TEST PIT 5	SOIL	8000 MAIN STREET, TROY, NY, 12180	07/22/22 12:15	07/22/22
L2239480-03	AREA 2 ISS TEST PIT 6	SOIL	8000 MAIN STREET, TROY, NY, 12180	07/22/22 12:30	07/22/22
L2239480-04	AREA 2 ISS TEST PIT 7	SOIL	8000 MAIN STREET, TROY, NY, 12180	07/22/22 12:45	07/22/22
L2239480-05	AREA 2 ISS TEST PIT 8	SOIL	8000 MAIN STREET, TROY, NY, 12180	07/22/22 13:00	07/22/22

Project Name: TROY FORMER MGP SITE
Project Number: TROY FORMER MGP SITE

Lab Number: L2239480
Report Date: 02/14/23

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: TROY FORMER MGP SITE
Project Number: TROY FORMER MGP SITE

Lab Number: L2239480
Report Date: 02/14/23

Case Narrative (continued)

Report Revision

February 14, 2023: At the client's request, the Project Name, Project Number and Sample Location have been amended.

PCBs

L2239480-05D: The surrogate recoveries are below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (0%) and decachlorobiphenyl (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

Cyanide, Reactive

WG1666866: A Laboratory Duplicate was prepared with the sample batch, however, the native sample was not available for reporting; therefore, the result could not be reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Caitlin Walukevich

Title: Technical Director/Representative

Date: 02/14/23

ORGANICS

VOLATILES

Project Name: TROY FORMER MGP SITE**Lab Number:** L2239480**Project Number:** TROY FORMER MGP SI**Report Date:** 02/14/23**SAMPLE RESULTS**

Lab ID: L2239480-01
 Client ID: AREA 2 ISS TEST PIT 4
 Sample Location: 8000 MAIN STREET, TROY, NY, 12180

Date Collected: 07/22/22 12:00
 Date Received: 07/22/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 07/25/22 16:52
 Analyst: MM
 Percent Solids: 93%
 TCLP/SPLP Ext. Date: 07/23/22 14:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	95		70-130
dibromofluoromethane	105		70-130

Project Name: TROY FORMER MGP SITE**Lab Number:** L2239480**Project Number:** TROY FORMER MGP SI**Report Date:** 02/14/23**SAMPLE RESULTS**

Lab ID: L2239480-02
 Client ID: AREA 2 ISS TEST PIT 5
 Sample Location: 8000 MAIN STREET, TROY, NY, 12180

Date Collected: 07/22/22 12:15
 Date Received: 07/22/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 07/25/22 17:33
 Analyst: MM
 Percent Solids: 88%
 TCLP/SPLP Ext. Date: 07/23/22 14:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	1.9	J	ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	99		70-130
dibromofluoromethane	105		70-130

Project Name: TROY FORMER MGP SITE**Lab Number:** L2239480**Project Number:** TROY FORMER MGP SI**Report Date:** 02/14/23**SAMPLE RESULTS**

Lab ID: L2239480-03
 Client ID: AREA 2 ISS TEST PIT 6
 Sample Location: 8000 MAIN STREET, TROY, NY, 12180

Date Collected: 07/22/22 12:30
 Date Received: 07/22/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 07/25/22 18:15
 Analyst: MM
 Percent Solids: 91%
 TCLP/SPLP Ext. Date: 07/23/22 14:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	98		70-130
dibromofluoromethane	105		70-130

Project Name: TROY FORMER MGP SITE**Lab Number:** L2239480**Project Number:** TROY FORMER MGP SI**Report Date:** 02/14/23**SAMPLE RESULTS**

Lab ID: L2239480-04
 Client ID: AREA 2 ISS TEST PIT 7
 Sample Location: 8000 MAIN STREET, TROY, NY, 12180

Date Collected: 07/22/22 12:45
 Date Received: 07/22/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 07/25/22 18:57
 Analyst: MM
 Percent Solids: 89%
 TCLP/SPLP Ext. Date: 07/23/22 14:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	93		70-130
dibromofluoromethane	104		70-130

Project Name: TROY FORMER MGP SITE**Lab Number:** L2239480**Project Number:** TROY FORMER MGP SI**Report Date:** 02/14/23**SAMPLE RESULTS**

Lab ID: L2239480-05
 Client ID: AREA 2 ISS TEST PIT 8
 Sample Location: 8000 MAIN STREET, TROY, NY, 12180

Date Collected: 07/22/22 13:00
 Date Received: 07/22/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 07/25/22 19:39
 Analyst: MM
 Percent Solids: 90%
 TCLP/SPLP Ext. Date: 07/23/22 14:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	97		70-130
dibromofluoromethane	103		70-130

Project Name: TROY FORMER MGP SITE
Project Number: TROY FORMER MGP SITE

Lab Number: L2239480
Report Date: 02/14/23

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/25/22 10:34
 Analyst: MKS
 TCLP/SPLP Extraction Date: 07/23/22 14:17

Extraction Date: 07/23/22 14:17

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Volatiles by EPA 1311 - Westborough Lab for sample(s): 01-05 Batch: WG1667370-5					
Chloroform	ND		ug/l	7.5	2.2
Carbon tetrachloride	ND		ug/l	5.0	1.3
Tetrachloroethene	ND		ug/l	5.0	1.8
Chlorobenzene	ND		ug/l	5.0	1.8
1,2-Dichloroethane	ND		ug/l	5.0	1.3
Benzene	ND		ug/l	5.0	1.6
Vinyl chloride	ND		ug/l	10	0.71
1,1-Dichloroethene	ND		ug/l	5.0	1.7
Trichloroethene	ND		ug/l	5.0	1.8
1,4-Dichlorobenzene	ND		ug/l	25	1.9
2-Butanone	ND		ug/l	50	19.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	96		70-130
dibromofluoromethane	105		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: TROY FORMER MGP SITE

Lab Number: L2239480

Project Number: TROY FORMER MGP SITE

Report Date: 02/14/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Volatiles by EPA 1311 - Westborough Lab Associated sample(s): 01-05 Batch: WG1667370-3 WG1667370-4								
Chloroform	99		110		70-130	11		20
Carbon tetrachloride	100		110		63-132	10		20
Tetrachloroethene	110		110		70-130	0		20
Chlorobenzene	100		100		75-130	0		25
1,2-Dichloroethane	95		100		70-130	5		20
Benzene	100		100		70-130	0		25
Vinyl chloride	100		110		55-140	10		20
1,1-Dichloroethene	100		110		61-145	10		25
Trichloroethene	100		100		70-130	0		25
1,4-Dichlorobenzene	99		100		70-130	1		20
2-Butanone	87		91		63-138	4		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	92		97		70-130
Toluene-d8	100		99		70-130
4-Bromofluorobenzene	91		96		70-130
dibromofluoromethane	98		104		70-130

SEMIVOLATILES

Project Name: TROY FORMER MGP SITE**Lab Number:** L2239480**Project Number:** TROY FORMER MGP SI**Report Date:** 02/14/23**SAMPLE RESULTS**

Lab ID: L2239480-01
 Client ID: AREA 2 ISS TEST PIT 4
 Sample Location: 8000 MAIN STREET, TROY, NY, 12180

Date Collected: 07/22/22 12:00
 Date Received: 07/22/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 07/25/22 12:14
 Analyst: EK
 Percent Solids: 93%
 TCLP/SPLP Ext. Date: 07/23/22 05:23

Extraction Method: EPA 3510C
 Extraction Date: 07/24/22 07:46

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
Hexachlorobenzene	ND		ug/l	10	3.4	1
2,4-Dinitrotoluene	ND		ug/l	25	1.9	1
Hexachlorobutadiene	ND		ug/l	10	3.0	1
Hexachloroethane	ND		ug/l	10	2.2	1
Nitrobenzene	ND		ug/l	10	3.3	1
2,4,6-Trichlorophenol	ND		ug/l	25	2.5	1
Pentachlorophenol	ND		ug/l	50	9.8	1
2-Methylphenol	ND		ug/l	25	5.5	1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	2.8	1
2,4,5-Trichlorophenol	ND		ug/l	25	1.9	1
Pyridine	ND		ug/l	18	4.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	78		21-120
Phenol-d6	72		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	79		15-120
2,4,6-Tribromophenol	92		10-120
4-Terphenyl-d14	80		33-120

Project Name: TROY FORMER MGP SITE**Lab Number:** L2239480**Project Number:** TROY FORMER MGP SI**Report Date:** 02/14/23**SAMPLE RESULTS**

Lab ID: L2239480-02
 Client ID: AREA 2 ISS TEST PIT 5
 Sample Location: 8000 MAIN STREET, TROY, NY, 12180

Date Collected: 07/22/22 12:15
 Date Received: 07/22/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 07/25/22 13:02
 Analyst: EK
 Percent Solids: 88%
 TCLP/SPLP Ext. Date: 07/23/22 05:23

Extraction Method: EPA 3510C
 Extraction Date: 07/24/22 07:46

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
Hexachlorobenzene	ND		ug/l	10	3.4	1
2,4-Dinitrotoluene	ND		ug/l	25	1.9	1
Hexachlorobutadiene	ND		ug/l	10	3.0	1
Hexachloroethane	ND		ug/l	10	2.2	1
Nitrobenzene	ND		ug/l	10	3.3	1
2,4,6-Trichlorophenol	ND		ug/l	25	2.5	1
Pentachlorophenol	ND		ug/l	50	9.8	1
2-Methylphenol	ND		ug/l	25	5.5	1
3-Methylphenol/4-Methylphenol	2.9	J	ug/l	25	2.8	1
2,4,5-Trichlorophenol	ND		ug/l	25	1.9	1
Pyridine	ND		ug/l	18	4.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	81		21-120
Phenol-d6	75		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	82		15-120
2,4,6-Tribromophenol	94		10-120
4-Terphenyl-d14	81		33-120

Project Name: TROY FORMER MGP SITE**Lab Number:** L2239480**Project Number:** TROY FORMER MGP SI**Report Date:** 02/14/23**SAMPLE RESULTS**

Lab ID: L2239480-03
 Client ID: AREA 2 ISS TEST PIT 6
 Sample Location: 8000 MAIN STREET, TROY, NY, 12180

Date Collected: 07/22/22 12:30
 Date Received: 07/22/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 07/25/22 13:26
 Analyst: EK
 Percent Solids: 91%
 TCLP/SPLP Ext. Date: 07/23/22 05:23

Extraction Method: EPA 3510C
 Extraction Date: 07/24/22 07:46

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
Hexachlorobenzene	ND		ug/l	10	3.4	1
2,4-Dinitrotoluene	ND		ug/l	25	1.9	1
Hexachlorobutadiene	ND		ug/l	10	3.0	1
Hexachloroethane	ND		ug/l	10	2.2	1
Nitrobenzene	ND		ug/l	10	3.3	1
2,4,6-Trichlorophenol	ND		ug/l	25	2.5	1
Pentachlorophenol	ND		ug/l	50	9.8	1
2-Methylphenol	ND		ug/l	25	5.5	1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	2.8	1
2,4,5-Trichlorophenol	ND		ug/l	25	1.9	1
Pyridine	ND		ug/l	18	4.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	92		21-120
Phenol-d6	84		10-120
Nitrobenzene-d5	90		23-120
2-Fluorobiphenyl	88		15-120
2,4,6-Tribromophenol	99		10-120
4-Terphenyl-d14	88		33-120

Project Name: TROY FORMER MGP SITE**Lab Number:** L2239480**Project Number:** TROY FORMER MGP SI**Report Date:** 02/14/23**SAMPLE RESULTS**

Lab ID: L2239480-04
 Client ID: AREA 2 ISS TEST PIT 7
 Sample Location: 8000 MAIN STREET, TROY, NY, 12180

Date Collected: 07/22/22 12:45
 Date Received: 07/22/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 07/25/22 16:15
 Analyst: EK
 Percent Solids: 89%
 TCLP/SPLP Ext. Date: 07/23/22 05:23

Extraction Method: EPA 3510C
 Extraction Date: 07/24/22 07:46

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
Hexachlorobenzene	ND		ug/l	10	3.4	1
2,4-Dinitrotoluene	ND		ug/l	25	1.9	1
Hexachlorobutadiene	ND		ug/l	10	3.0	1
Hexachloroethane	ND		ug/l	10	2.2	1
Nitrobenzene	ND		ug/l	10	3.3	1
2,4,6-Trichlorophenol	ND		ug/l	25	2.5	1
Pentachlorophenol	ND		ug/l	50	9.8	1
2-Methylphenol	ND		ug/l	25	5.5	1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	2.8	1
2,4,5-Trichlorophenol	ND		ug/l	25	1.9	1
Pyridine	ND		ug/l	18	4.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	79		21-120
Phenol-d6	81		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	80		15-120
2,4,6-Tribromophenol	89		10-120
4-Terphenyl-d14	79		33-120

Project Name: TROY FORMER MGP SITE**Lab Number:** L2239480**Project Number:** TROY FORMER MGP SI**Report Date:** 02/14/23**SAMPLE RESULTS**

Lab ID: L2239480-05
 Client ID: AREA 2 ISS TEST PIT 8
 Sample Location: 8000 MAIN STREET, TROY, NY, 12180

Date Collected: 07/22/22 13:00
 Date Received: 07/22/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 07/25/22 16:39
 Analyst: EK
 Percent Solids: 90%
 TCLP/SPLP Ext. Date: 07/23/22 05:23

Extraction Method: EPA 3510C
 Extraction Date: 07/24/22 07:46

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
Hexachlorobenzene	ND		ug/l	10	3.4	1
2,4-Dinitrotoluene	ND		ug/l	25	1.9	1
Hexachlorobutadiene	ND		ug/l	10	3.0	1
Hexachloroethane	ND		ug/l	10	2.2	1
Nitrobenzene	ND		ug/l	10	3.3	1
2,4,6-Trichlorophenol	ND		ug/l	25	2.5	1
Pentachlorophenol	ND		ug/l	50	9.8	1
2-Methylphenol	ND		ug/l	25	5.5	1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	2.8	1
2,4,5-Trichlorophenol	ND		ug/l	25	1.9	1
Pyridine	ND		ug/l	18	4.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	90		21-120
Phenol-d6	94		10-120
Nitrobenzene-d5	96		23-120
2-Fluorobiphenyl	91		15-120
2,4,6-Tribromophenol	92		10-120
4-Terphenyl-d14	85		33-120

Project Name: TROY FORMER MGP SITE
Project Number: TROY FORMER MGP SITE

Lab Number: L2239480
Report Date: 02/14/23

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 07/25/22 11:02
 Analyst: EK
 TCLP/SPLP Extraction Date: 07/21/22 05:45

Extraction Method: EPA 3510C
 Extraction Date: 07/24/22 07:46

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Semivolatiles by EPA 1311 - Westborough Lab for sample(s): 01-05 Batch: WG1666632-1					
Hexachlorobenzene	ND		ug/l	10	3.4
2,4-Dinitrotoluene	ND		ug/l	25	1.9
Hexachlorobutadiene	ND		ug/l	10	3.0
Hexachloroethane	ND		ug/l	10	2.2
Nitrobenzene	ND		ug/l	10	3.3
2,4,6-Trichlorophenol	ND		ug/l	25	2.5
Pentachlorophenol	ND		ug/l	50	9.8
2-Methylphenol	ND		ug/l	25	5.5
3-Methylphenol/4-Methylphenol	ND		ug/l	25	2.8
2,4,5-Trichlorophenol	ND		ug/l	25	1.9
Pyridine	ND		ug/l	18	4.5

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	84		21-120
Phenol-d6	80		10-120
Nitrobenzene-d5	87		23-120
2-Fluorobiphenyl	77		15-120
2,4,6-Tribromophenol	100		10-120
4-Terphenyl-d14	91		33-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: TROY FORMER MGP SITE

Lab Number: L2239480

Project Number: TROY FORMER MGP SITE

Report Date: 02/14/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Semivolatiles by EPA 1311 - Westborough Lab Associated sample(s): 01-05 Batch: WG1666632-2 WG1666632-3								
Hexachlorobenzene	57		69		40-140	19		30
2,4-Dinitrotoluene	75		71		40-132	5		30
Hexachlorobutadiene	67		62		28-111	8		30
Hexachloroethane	66		69		21-105	4		30
Nitrobenzene	67		69		40-140	3		30
2,4,6-Trichlorophenol	79		77		30-130	3		30
Pentachlorophenol	68		81		9-103	17		30
2-Methylphenol	74		76		30-130	3		30
3-Methylphenol/4-Methylphenol	78		80		30-130	3		30
2,4,5-Trichlorophenol	81		79		30-130	3		30
Pyridine	42		23		10-66	58	Q	30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	78		77		21-120
Phenol-d6	75		70		10-120
Nitrobenzene-d5	68		72		23-120
2-Fluorobiphenyl	70		69		15-120
2,4,6-Tribromophenol	77		80		10-120
4-Terphenyl-d14	74		71		33-120

PCBS

Project Name: TROY FORMER MGP SITE**Lab Number:** L2239480**Project Number:** TROY FORMER MGP SI**Report Date:** 02/14/23**SAMPLE RESULTS**

Lab ID: L2239480-01
 Client ID: AREA 2 ISS TEST PIT 4
 Sample Location: 8000 MAIN STREET, TROY, NY, 12180

Date Collected: 07/22/22 12:00
 Date Received: 07/22/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 07/24/22 13:25
 Analyst: WR
 Percent Solids: 93%

Extraction Method: EPA 3546
 Extraction Date: 07/23/22 06:22
 Cleanup Method: EPA 3665A
 Cleanup Date: 07/23/22
 Cleanup Method: EPA 3660B
 Cleanup Date: 07/23/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		mg/kg	1.00	0.00313	1	A
Aroclor 1221	ND		mg/kg	1.00	0.00353	1	A
Aroclor 1232	ND		mg/kg	1.00	0.00747	1	A
Aroclor 1242	ND		mg/kg	1.00	0.00475	1	A
Aroclor 1248	ND		mg/kg	1.00	0.00529	1	A
Aroclor 1254	0.418		mg/kg	1.00	0.00386	1	B
Aroclor 1260	ND		mg/kg	1.00	0.00651	1	A
Aroclor 1262	ND		mg/kg	1.00	0.00448	1	A
Aroclor 1268	ND		mg/kg	1.00	0.00365	1	A
PCBs, Total	0.418		mg/kg	1.00	0.00313	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	30		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	32		30-150	B

Project Name: TROY FORMER MGP SITE**Lab Number:** L2239480**Project Number:** TROY FORMER MGP SI**Report Date:** 02/14/23**SAMPLE RESULTS**

Lab ID: L2239480-02
 Client ID: AREA 2 ISS TEST PIT 5
 Sample Location: 8000 MAIN STREET, TROY, NY, 12180

Date Collected: 07/22/22 12:15
 Date Received: 07/22/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 07/24/22 13:38
 Analyst: WR
 Percent Solids: 88%

Extraction Method: EPA 3546
 Extraction Date: 07/23/22 06:22
 Cleanup Method: EPA 3665A
 Cleanup Date: 07/23/22
 Cleanup Method: EPA 3660B
 Cleanup Date: 07/23/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		mg/kg	1.00	0.00323	1	A
Aroclor 1221	ND		mg/kg	1.00	0.00365	1	A
Aroclor 1232	ND		mg/kg	1.00	0.00772	1	A
Aroclor 1242	ND		mg/kg	1.00	0.00491	1	A
Aroclor 1248	ND		mg/kg	1.00	0.00546	1	A
Aroclor 1254	0.300		mg/kg	1.00	0.00398	1	B
Aroclor 1260	ND		mg/kg	1.00	0.00673	1	A
Aroclor 1262	ND		mg/kg	1.00	0.00462	1	A
Aroclor 1268	ND		mg/kg	1.00	0.00377	1	A
PCBs, Total	0.300		mg/kg	1.00	0.00323	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	33		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	36		30-150	B

Project Name: TROY FORMER MGP SITE**Lab Number:** L2239480**Project Number:** TROY FORMER MGP SI**Report Date:** 02/14/23**SAMPLE RESULTS**

Lab ID: L2239480-03
 Client ID: AREA 2 ISS TEST PIT 6
 Sample Location: 8000 MAIN STREET, TROY, NY, 12180

Date Collected: 07/22/22 12:30
 Date Received: 07/22/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 07/24/22 13:51
 Analyst: WR
 Percent Solids: 91%

Extraction Method: EPA 3546
 Extraction Date: 07/23/22 06:22
 Cleanup Method: EPA 3665A
 Cleanup Date: 07/23/22
 Cleanup Method: EPA 3660B
 Cleanup Date: 07/23/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		mg/kg	1.00	0.00318	1	A
Aroclor 1221	ND		mg/kg	1.00	0.00359	1	A
Aroclor 1232	ND		mg/kg	1.00	0.00760	1	A
Aroclor 1242	ND		mg/kg	1.00	0.00484	1	A
Aroclor 1248	ND		mg/kg	1.00	0.00538	1	A
Aroclor 1254	0.207		mg/kg	1.00	0.00392	1	B
Aroclor 1260	ND		mg/kg	1.00	0.00663	1	A
Aroclor 1262	ND		mg/kg	1.00	0.00456	1	A
Aroclor 1268	ND		mg/kg	1.00	0.00372	1	A
PCBs, Total	0.207		mg/kg	1.00	0.00318	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	55		30-150	A
Decachlorobiphenyl	30		30-150	A
2,4,5,6-Tetrachloro-m-xylene	55		30-150	B
Decachlorobiphenyl	32		30-150	B

Project Name: TROY FORMER MGP SITE**Lab Number:** L2239480**Project Number:** TROY FORMER MGP SI**Report Date:** 02/14/23**SAMPLE RESULTS**

Lab ID: L2239480-04
 Client ID: AREA 2 ISS TEST PIT 7
 Sample Location: 8000 MAIN STREET, TROY, NY, 12180

Date Collected: 07/22/22 12:45
 Date Received: 07/22/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 07/24/22 14:04
 Analyst: WR
 Percent Solids: 89%

Extraction Method: EPA 3546
 Extraction Date: 07/23/22 06:22
 Cleanup Method: EPA 3665A
 Cleanup Date: 07/23/22
 Cleanup Method: EPA 3660B
 Cleanup Date: 07/23/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		mg/kg	1.00	0.00321	1	A
Aroclor 1221	ND		mg/kg	1.00	0.00362	1	A
Aroclor 1232	ND		mg/kg	1.00	0.00766	1	A
Aroclor 1242	ND		mg/kg	1.00	0.00487	1	A
Aroclor 1248	ND		mg/kg	1.00	0.00542	1	A
Aroclor 1254	0.423		mg/kg	0.0361	0.00395	1	B
Aroclor 1260	ND		mg/kg	1.00	0.00668	1	A
Aroclor 1262	ND		mg/kg	1.00	0.00459	1	A
Aroclor 1268	ND		mg/kg	1.00	0.00374	1	A
PCBs, Total	0.423		mg/kg	0.0361	0.00321	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	36		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	38		30-150	B

Project Name: TROY FORMER MGP SITE**Lab Number:** L2239480**Project Number:** TROY FORMER MGP SI**Report Date:** 02/14/23**SAMPLE RESULTS**

Lab ID: L2239480-05 D
 Client ID: AREA 2 ISS TEST PIT 8
 Sample Location: 8000 MAIN STREET, TROY, NY, 12180

Date Collected: 07/22/22 13:00
 Date Received: 07/22/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 07/25/22 09:36
 Analyst: WR
 Percent Solids: 90%

Extraction Method: EPA 3546
 Extraction Date: 07/23/22 06:22
 Cleanup Method: EPA 3665A
 Cleanup Date: 07/23/22
 Cleanup Method: EPA 3660B
 Cleanup Date: 07/23/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		mg/kg	1.00	0.0649	20	A
Aroclor 1221	ND		mg/kg	1.00	0.0733	20	A
Aroclor 1232	ND		mg/kg	1.00	0.155	20	A
Aroclor 1242	ND		mg/kg	1.00	0.0986	20	A
Aroclor 1248	ND		mg/kg	1.00	0.110	20	A
Aroclor 1254	3.22		mg/kg	1.00	0.0800	20	A
Aroclor 1260	ND		mg/kg	1.00	0.135	20	A
Aroclor 1262	ND		mg/kg	1.00	0.0928	20	A
Aroclor 1268	ND		mg/kg	1.00	0.0757	20	A
PCBs, Total	3.22		mg/kg	1.00	0.0649	20	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	0	Q	30-150	A
Decachlorobiphenyl	0	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	0	Q	30-150	B
Decachlorobiphenyl	0	Q	30-150	B

Project Name: TROY FORMER MGP SITE
Project Number: TROY FORMER MGP SITE

Lab Number: L2239480
Report Date: 02/14/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 07/24/22 12:46
 Analyst: WR

Extraction Method: EPA 3546
 Extraction Date: 07/23/22 06:22
 Cleanup Method: EPA 3665A
 Cleanup Date: 07/23/22
 Cleanup Method: EPA 3660B
 Cleanup Date: 07/23/22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-05 Batch: WG1667119-1						
Aroclor 1016	ND		mg/kg	1.00	0.00282	A
Aroclor 1221	ND		mg/kg	1.00	0.00318	A
Aroclor 1232	ND		mg/kg	1.00	0.00672	A
Aroclor 1242	ND		mg/kg	1.00	0.00427	A
Aroclor 1248	ND		mg/kg	1.00	0.00476	A
Aroclor 1254	ND		mg/kg	1.00	0.00347	A
Aroclor 1260	ND		mg/kg	1.00	0.00586	A
Aroclor 1262	ND		mg/kg	1.00	0.00403	A
Aroclor 1268	ND		mg/kg	1.00	0.00328	A
PCBs, Total	ND		mg/kg	1.00	0.00282	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	92		30-150	B
Decachlorobiphenyl	67		30-150	B

Lab Control Sample Analysis**Batch Quality Control****Project Name:** TROY FORMER MGP SITE**Lab Number:** L2239480**Project Number:** TROY FORMER MGP SITE**Report Date:** 02/14/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-05 Batch: WG1667119-2 WG1667119-3									
Aroclor 1016	78		76		40-140	3		50	A
Aroclor 1260	54		52		40-140	4		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		84		30-150	A
Decachlorobiphenyl	56		53		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		84		30-150	B
Decachlorobiphenyl	58		59		30-150	B

PESTICIDES

Project Name: TROY FORMER MGP SITE**Lab Number:** L2239480**Project Number:** TROY FORMER MGP SI**Report Date:** 02/14/23**SAMPLE RESULTS**

Lab ID: L2239480-01
 Client ID: AREA 2 ISS TEST PIT 4
 Sample Location: 8000 MAIN STREET, TROY, NY, 12180

Date Collected: 07/22/22 12:00
 Date Received: 07/22/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 07/25/22 11:20
 Analyst: AR
 Percent Solids: 93%
 TCLP/SPLP Ext. Date: 07/23/22 05:23

Extraction Method: EPA 3510C
 Extraction Date: 07/24/22 08:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Pesticides by EPA 1311 - Westborough Lab							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	ND		ug/l	0.100	0.016	1	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.314	1	A
Chlordane	ND		ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	68		30-150	B

Project Name: TROY FORMER MGP SITE**Lab Number:** L2239480**Project Number:** TROY FORMER MGP SI**Report Date:** 02/14/23**SAMPLE RESULTS**

Lab ID: L2239480-01
 Client ID: AREA 2 ISS TEST PIT 4
 Sample Location: 8000 MAIN STREET, TROY, NY, 12180

Date Collected: 07/22/22 12:00
 Date Received: 07/22/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8151A
 Analytical Date: 07/25/22 15:02
 Analyst: AKM
 Percent Solids: 93%
 TCLP/SPLP Ext. Date: 07/23/22 05:23
 Methylation Date: 07/25/22 02:33

Extraction Method: EPA 8151A
 Extraction Date: 07/24/22 10:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Herbicides by EPA 1311 - Westborough Lab							
2,4-D	ND		mg/l	0.025	0.001	1	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	105		30-150	A
DCAA	100		30-150	B

Project Name: TROY FORMER MGP SITE**Lab Number:** L2239480**Project Number:** TROY FORMER MGP SI**Report Date:** 02/14/23**SAMPLE RESULTS**

Lab ID: L2239480-02
 Client ID: AREA 2 ISS TEST PIT 5
 Sample Location: 8000 MAIN STREET, TROY, NY, 12180

Date Collected: 07/22/22 12:15
 Date Received: 07/22/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 07/25/22 11:31
 Analyst: AR
 Percent Solids: 88%
 TCLP/SPLP Ext. Date: 07/23/22 05:23

Extraction Method: EPA 3510C
 Extraction Date: 07/24/22 08:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Pesticides by EPA 1311 - Westborough Lab							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	ND		ug/l	0.100	0.016	1	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.314	1	A
Chlordane	ND		ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	79		30-150	B

Project Name: TROY FORMER MGP SITE**Lab Number:** L2239480**Project Number:** TROY FORMER MGP SI**Report Date:** 02/14/23**SAMPLE RESULTS**

Lab ID: L2239480-02
 Client ID: AREA 2 ISS TEST PIT 5
 Sample Location: 8000 MAIN STREET, TROY, NY, 12180

Date Collected: 07/22/22 12:15
 Date Received: 07/22/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8151A
 Analytical Date: 07/25/22 15:21
 Analyst: AKM
 Percent Solids: 88%
 TCLP/SPLP Ext. Date: 07/23/22 05:23
 Methylation Date: 07/25/22 02:33

Extraction Method: EPA 8151A
 Extraction Date: 07/24/22 10:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Herbicides by EPA 1311 - Westborough Lab							
2,4-D	ND		mg/l	0.025	0.001	1	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	47		30-150	A
DCAA	41		30-150	B

Project Name: TROY FORMER MGP SITE**Lab Number:** L2239480**Project Number:** TROY FORMER MGP SI**Report Date:** 02/14/23**SAMPLE RESULTS**

Lab ID: L2239480-03
 Client ID: AREA 2 ISS TEST PIT 6
 Sample Location: 8000 MAIN STREET, TROY, NY, 12180

Date Collected: 07/22/22 12:30
 Date Received: 07/22/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 07/25/22 11:41
 Analyst: AR
 Percent Solids: 91%
 TCLP/SPLP Ext. Date: 07/23/22 05:23

Extraction Method: EPA 3510C
 Extraction Date: 07/24/22 08:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Pesticides by EPA 1311 - Westborough Lab							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	ND		ug/l	0.100	0.016	1	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.314	1	A
Chlordane	ND		ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: TROY FORMER MGP SITE**Lab Number:** L2239480**Project Number:** TROY FORMER MGP SI**Report Date:** 02/14/23**SAMPLE RESULTS**

Lab ID: L2239480-03
 Client ID: AREA 2 ISS TEST PIT 6
 Sample Location: 8000 MAIN STREET, TROY, NY, 12180

Date Collected: 07/22/22 12:30
 Date Received: 07/22/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8151A
 Analytical Date: 07/25/22 15:39
 Analyst: AKM
 Percent Solids: 91%
 TCLP/SPLP Ext. Date: 07/23/22 05:23
 Methylation Date: 07/25/22 02:33

Extraction Method: EPA 8151A
 Extraction Date: 07/24/22 10:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Herbicides by EPA 1311 - Westborough Lab							
2,4-D	ND		mg/l	0.025	0.001	1	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	96		30-150	A
DCAA	91		30-150	B

Project Name: TROY FORMER MGP SITE**Lab Number:** L2239480**Project Number:** TROY FORMER MGP SI**Report Date:** 02/14/23**SAMPLE RESULTS**

Lab ID: L2239480-04
 Client ID: AREA 2 ISS TEST PIT 7
 Sample Location: 8000 MAIN STREET, TROY, NY, 12180

Date Collected: 07/22/22 12:45
 Date Received: 07/22/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 07/25/22 11:51
 Analyst: AR
 Percent Solids: 89%
 TCLP/SPLP Ext. Date: 07/23/22 05:23

Extraction Method: EPA 3510C
 Extraction Date: 07/24/22 08:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Pesticides by EPA 1311 - Westborough Lab							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	ND		ug/l	0.100	0.016	1	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.314	1	A
Chlordane	ND		ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: TROY FORMER MGP SITE**Lab Number:** L2239480**Project Number:** TROY FORMER MGP SI**Report Date:** 02/14/23**SAMPLE RESULTS**

Lab ID: L2239480-04
 Client ID: AREA 2 ISS TEST PIT 7
 Sample Location: 8000 MAIN STREET, TROY, NY, 12180

Date Collected: 07/22/22 12:45
 Date Received: 07/22/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8151A
 Analytical Date: 07/25/22 15:57
 Analyst: AKM
 Percent Solids: 89%
 TCLP/SPLP Ext. Date: 07/23/22 05:23
 Methylation Date: 07/25/22 02:33

Extraction Method: EPA 8151A
 Extraction Date: 07/24/22 10:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Herbicides by EPA 1311 - Westborough Lab							
2,4-D	ND		mg/l	0.025	0.001	1	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	105		30-150	A
DCAA	100		30-150	B

Project Name: TROY FORMER MGP SITE**Lab Number:** L2239480**Project Number:** TROY FORMER MGP SI**Report Date:** 02/14/23**SAMPLE RESULTS**

Lab ID: L2239480-05
 Client ID: AREA 2 ISS TEST PIT 8
 Sample Location: 8000 MAIN STREET, TROY, NY, 12180

Date Collected: 07/22/22 13:00
 Date Received: 07/22/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 07/25/22 12:02
 Analyst: AR
 Percent Solids: 90%
 TCLP/SPLP Ext. Date: 07/23/22 05:23

Extraction Method: EPA 3510C
 Extraction Date: 07/24/22 08:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Pesticides by EPA 1311 - Westborough Lab							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	ND		ug/l	0.100	0.016	1	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.314	1	A
Chlordane	ND		ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	77		30-150	B

Project Name: TROY FORMER MGP SITE**Lab Number:** L2239480**Project Number:** TROY FORMER MGP SI**Report Date:** 02/14/23**SAMPLE RESULTS**

Lab ID: L2239480-05
 Client ID: AREA 2 ISS TEST PIT 8
 Sample Location: 8000 MAIN STREET, TROY, NY, 12180

Date Collected: 07/22/22 13:00
 Date Received: 07/22/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8151A
 Analytical Date: 07/25/22 16:34
 Analyst: AKM
 Percent Solids: 90%
 TCLP/SPLP Ext. Date: 07/23/22 05:23
 Methylation Date: 07/25/22 02:33

Extraction Method: EPA 8151A
 Extraction Date: 07/24/22 10:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Herbicides by EPA 1311 - Westborough Lab							
2,4-D	ND		mg/l	0.025	0.001	1	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	54		30-150	A
DCAA	45		30-150	B

Project Name: TROY FORMER MGP SITE
Project Number: TROY FORMER MGP SITE

Lab Number: L2239480
Report Date: 02/14/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 07/25/22 10:39
 Analyst: AR
 TCLP/SPLP Extraction Date: 07/21/22 05:45

Extraction Method: EPA 3510C
 Extraction Date: 07/24/22 08:09

Parameter	Result	Qualifier	Units	RL	MDL	Column
TCLP Pesticides by EPA 1311 - Westborough Lab for sample(s): 01-05 Batch: WG1666646-1						
Lindane	ND		ug/l	0.100	0.022	A
Heptachlor	ND		ug/l	0.100	0.016	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	A
Endrin	ND		ug/l	0.200	0.021	A
Methoxychlor	ND		ug/l	1.00	0.034	A
Toxaphene	ND		ug/l	1.00	0.314	A
Chlordane	ND		ug/l	1.00	0.232	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		30-150	A
Decachlorobiphenyl	86		30-150	A
2,4,5,6-Tetrachloro-m-xylene	90		30-150	B
Decachlorobiphenyl	95		30-150	B

Project Name: TROY FORMER MGP SITE
Project Number: TROY FORMER MGP SITE

Lab Number: L2239480
Report Date: 02/14/23

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8151A
 Analytical Date: 07/25/22 12:17
 Analyst: AKM
 TCLP/SPLP Extraction Date: 07/21/22 05:45
 Methylation Date: 07/25/22 02:33

Extraction Method: EPA 8151A
 Extraction Date: 07/24/22 10:25

Parameter	Result	Qualifier	Units	RL	MDL	Column
TCLP Herbicides by EPA 1311 - Westborough Lab for sample(s): 01-05 Batch: WG1666674-1						
2,4-D	ND		mg/l	0.025	0.001	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	59		30-150	A
DCAA	52		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: TROY FORMER MGP SITE

Lab Number: L2239480

Project Number: TROY FORMER MGP SITE

Report Date: 02/14/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
TCLP Pesticides by EPA 1311 - Westborough Lab Associated sample(s): 01-05 Batch: WG1666646-2 WG1666646-3									
Lindane	92		96		30-150	5		20	A
Heptachlor	96		99		30-150	3		20	A
Heptachlor epoxide	97		101		30-150	4		20	A
Endrin	99		100		30-150	1		20	A
Methoxychlor	95		98		30-150	3		20	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		82		30-150	A
Decachlorobiphenyl	76		77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		83		30-150	B
Decachlorobiphenyl	81		84		30-150	B

Lab Control Sample Analysis**Batch Quality Control****Project Name:** TROY FORMER MGP SITE**Lab Number:** L2239480**Project Number:** TROY FORMER MGP SITE**Report Date:** 02/14/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
TCLP Herbicides by EPA 1311 - Westborough Lab Associated sample(s): 01-05 Batch: WG1666674-2 WG1666674-3									
2,4-D	113		96		30-150	16		25	A
2,4,5-TP (Silvex)	67		48		30-150	33	Q	25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	81		59		30-150	A
DCAA	63		43		30-150	B

METALS

Project Name: TROY FORMER MGP SITE**Lab Number:** L2239480**Project Number:** TROY FORMER MGP SITE**Report Date:** 02/14/23**SAMPLE RESULTS**

Lab ID: L2239480-01

Date Collected: 07/22/22 12:00

Client ID: AREA 2 ISS TEST PIT 4

Date Received: 07/22/22

Sample Location: 8000 MAIN STREET, TROY, NY, 12180

Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 07/23/22 05:23

Matrix: Soil

Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	0.0290	J	mg/l	1.00	0.0190	1	07/25/22 09:30	07/25/22 13:49	EPA 3015	1,6010D	EW
Barium, TCLP	0.542		mg/l	0.500	0.0210	1	07/25/22 09:30	07/25/22 13:49	EPA 3015	1,6010D	EW
Cadmium, TCLP	ND		mg/l	0.100	0.0100	1	07/25/22 09:30	07/25/22 13:49	EPA 3015	1,6010D	EW
Chromium, TCLP	ND		mg/l	0.200	0.0210	1	07/25/22 09:30	07/25/22 13:49	EPA 3015	1,6010D	EW
Lead, TCLP	0.0450	J	mg/l	0.500	0.0270	1	07/25/22 09:30	07/25/22 13:49	EPA 3015	1,6010D	EW
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	07/25/22 13:05	07/26/22 08:54	EPA 7470A	1,7470A	DMB
Selenium, TCLP	ND		mg/l	0.500	0.0350	1	07/25/22 09:30	07/25/22 13:49	EPA 3015	1,6010D	EW
Silver, TCLP	ND		mg/l	0.100	0.0280	1	07/25/22 09:30	07/25/22 13:49	EPA 3015	1,6010D	EW

Project Name: TROY FORMER MGP SITE**Lab Number:** L2239480**Project Number:** TROY FORMER MGP SITE**Report Date:** 02/14/23**SAMPLE RESULTS**

Lab ID: L2239480-02

Date Collected: 07/22/22 12:15

Client ID: AREA 2 ISS TEST PIT 5

Date Received: 07/22/22

Sample Location: 8000 MAIN STREET, TROY, NY, 12180

Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 07/23/22 05:23

Matrix: Soil

Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	0.0300	J	mg/l	1.00	0.0190	1	07/25/22 09:30	07/25/22 13:53	EPA 3015	1,6010D	EW
Barium, TCLP	0.485	J	mg/l	0.500	0.0210	1	07/25/22 09:30	07/25/22 13:53	EPA 3015	1,6010D	EW
Cadmium, TCLP	ND		mg/l	0.100	0.0100	1	07/25/22 09:30	07/25/22 13:53	EPA 3015	1,6010D	EW
Chromium, TCLP	ND		mg/l	0.200	0.0210	1	07/25/22 09:30	07/25/22 13:53	EPA 3015	1,6010D	EW
Lead, TCLP	0.0280	J	mg/l	0.500	0.0270	1	07/25/22 09:30	07/25/22 13:53	EPA 3015	1,6010D	EW
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	07/25/22 13:05	07/26/22 08:57	EPA 7470A	1,7470A	DMB
Selenium, TCLP	ND		mg/l	0.500	0.0350	1	07/25/22 09:30	07/25/22 13:53	EPA 3015	1,6010D	EW
Silver, TCLP	ND		mg/l	0.100	0.0280	1	07/25/22 09:30	07/25/22 13:53	EPA 3015	1,6010D	EW



Project Name: TROY FORMER MGP SITE**Lab Number:** L2239480**Project Number:** TROY FORMER MGP SITE**Report Date:** 02/14/23**SAMPLE RESULTS**

Lab ID: L2239480-03

Date Collected: 07/22/22 12:30

Client ID: AREA 2 ISS TEST PIT 6

Date Received: 07/22/22

Sample Location: 8000 MAIN STREET, TROY, NY, 12180

Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 07/23/22 05:23

Matrix: Soil

Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	0.0340	J	mg/l	1.00	0.0190	1	07/25/22 09:30	07/25/22 13:58	EPA 3015	1,6010D	EW
Barium, TCLP	0.513		mg/l	0.500	0.0210	1	07/25/22 09:30	07/25/22 13:58	EPA 3015	1,6010D	EW
Cadmium, TCLP	ND		mg/l	0.100	0.0100	1	07/25/22 09:30	07/25/22 13:58	EPA 3015	1,6010D	EW
Chromium, TCLP	ND		mg/l	0.200	0.0210	1	07/25/22 09:30	07/25/22 13:58	EPA 3015	1,6010D	EW
Lead, TCLP	0.0940	J	mg/l	0.500	0.0270	1	07/25/22 09:30	07/25/22 13:58	EPA 3015	1,6010D	EW
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	07/25/22 13:05	07/26/22 09:00	EPA 7470A	1,7470A	DMB
Selenium, TCLP	ND		mg/l	0.500	0.0350	1	07/25/22 09:30	07/25/22 13:58	EPA 3015	1,6010D	EW
Silver, TCLP	ND		mg/l	0.100	0.0280	1	07/25/22 09:30	07/25/22 13:58	EPA 3015	1,6010D	EW



Project Name: TROY FORMER MGP SITE**Lab Number:** L2239480**Project Number:** TROY FORMER MGP SITE**Report Date:** 02/14/23**SAMPLE RESULTS**

Lab ID: L2239480-04

Date Collected: 07/22/22 12:45

Client ID: AREA 2 ISS TEST PIT 7

Date Received: 07/22/22

Sample Location: 8000 MAIN STREET, TROY, NY, 12180

Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 07/23/22 05:23

Matrix: Soil

Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	0.0320	J	mg/l	1.00	0.0190	1	07/25/22 09:30	07/25/22 14:02	EPA 3015	1,6010D	EW
Barium, TCLP	0.543		mg/l	0.500	0.0210	1	07/25/22 09:30	07/25/22 14:02	EPA 3015	1,6010D	EW
Cadmium, TCLP	ND		mg/l	0.100	0.0100	1	07/25/22 09:30	07/25/22 14:02	EPA 3015	1,6010D	EW
Chromium, TCLP	ND		mg/l	0.200	0.0210	1	07/25/22 09:30	07/25/22 14:02	EPA 3015	1,6010D	EW
Lead, TCLP	0.0570	J	mg/l	0.500	0.0270	1	07/25/22 09:30	07/25/22 14:02	EPA 3015	1,6010D	EW
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	07/25/22 13:05	07/26/22 09:04	EPA 7470A	1,7470A	DMB
Selenium, TCLP	ND		mg/l	0.500	0.0350	1	07/25/22 09:30	07/25/22 14:02	EPA 3015	1,6010D	EW
Silver, TCLP	ND		mg/l	0.100	0.0280	1	07/25/22 09:30	07/25/22 14:02	EPA 3015	1,6010D	EW



Project Name: TROY FORMER MGP SITE**Lab Number:** L2239480**Project Number:** TROY FORMER MGP SITE**Report Date:** 02/14/23**SAMPLE RESULTS**

Lab ID: L2239480-05

Date Collected: 07/22/22 13:00

Client ID: AREA 2 ISS TEST PIT 8

Date Received: 07/22/22

Sample Location: 8000 MAIN STREET, TROY, NY, 12180

Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 07/23/22 05:23

Matrix: Soil

Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	0.0210	J	mg/l	1.00	0.0190	1	07/25/22 09:30	07/25/22 14:07	EPA 3015	1,6010D	EW
Barium, TCLP	0.548		mg/l	0.500	0.0210	1	07/25/22 09:30	07/25/22 14:07	EPA 3015	1,6010D	EW
Cadmium, TCLP	ND		mg/l	0.100	0.0100	1	07/25/22 09:30	07/25/22 14:07	EPA 3015	1,6010D	EW
Chromium, TCLP	ND		mg/l	0.200	0.0210	1	07/25/22 09:30	07/25/22 14:07	EPA 3015	1,6010D	EW
Lead, TCLP	ND		mg/l	0.500	0.0270	1	07/25/22 09:30	07/25/22 14:07	EPA 3015	1,6010D	EW
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	07/25/22 13:05	07/26/22 09:07	EPA 7470A	1,7470A	DMB
Selenium, TCLP	ND		mg/l	0.500	0.0350	1	07/25/22 09:30	07/25/22 14:07	EPA 3015	1,6010D	EW
Silver, TCLP	ND		mg/l	0.100	0.0280	1	07/25/22 09:30	07/25/22 14:07	EPA 3015	1,6010D	EW



Project Name: TROY FORMER MGP SITE

Lab Number: L2239480

Project Number: TROY FORMER MGP SITE

Report Date: 02/14/23

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01-05 Batch: WG1666722-1										
Arsenic, TCLP	0.0290	J	mg/l	1.00	0.0190	1	07/25/22 09:30	07/25/22 12:42	1,6010D	EW
Barium, TCLP	ND		mg/l	0.500	0.0210	1	07/25/22 09:30	07/25/22 12:42	1,6010D	EW
Cadmium, TCLP	ND		mg/l	0.100	0.0100	1	07/25/22 09:30	07/25/22 12:42	1,6010D	EW
Chromium, TCLP	ND		mg/l	0.200	0.0210	1	07/25/22 09:30	07/25/22 12:42	1,6010D	EW
Lead, TCLP	ND		mg/l	0.500	0.0270	1	07/25/22 09:30	07/25/22 12:42	1,6010D	EW
Selenium, TCLP	ND		mg/l	0.500	0.0350	1	07/25/22 09:30	07/25/22 12:42	1,6010D	EW
Silver, TCLP	ND		mg/l	0.100	0.0280	1	07/25/22 09:30	07/25/22 12:42	1,6010D	EW

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 07/21/22 05:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01-05 Batch: WG1666724-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	07/25/22 13:05	07/26/22 08:21	1,7470A	DMB

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 07/21/22 05:45

Lab Control Sample Analysis

Batch Quality Control

Project Name: TROY FORMER MGP SITE

Lab Number: L2239480

Project Number: TROY FORMER MGP SITE

Report Date: 02/14/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-05 Batch: WG1666722-2								
Arsenic, TCLP	101		-		75-125	-		20
Barium, TCLP	92		-		75-125	-		20
Cadmium, TCLP	94		-		75-125	-		20
Chromium, TCLP	94		-		75-125	-		20
Lead, TCLP	92		-		75-125	-		20
Selenium, TCLP	100		-		75-125	-		20
Silver, TCLP	94		-		75-125	-		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-05 Batch: WG1666724-2								
Mercury, TCLP	100		-		80-120	-		

Matrix Spike Analysis

Batch Quality Control

Project Name: TROY FORMER MGP SITE

Lab Number: L2239480

Project Number: TROY FORMER MGP SITE

Report Date: 02/14/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1666722-3 QC Sample: L2239208-01 Client ID: MS Sample												
Arsenic, TCLP	ND	1.2	1.25	104		-	-		75-125	-		20
Barium, TCLP	0.621	20	19.0	92		-	-		75-125	-		20
Cadmium, TCLP	ND	0.53	0.504	95		-	-		75-125	-		20
Chromium, TCLP	ND	2	1.91	96		-	-		75-125	-		20
Lead, TCLP	0.045J	5.3	4.94	93		-	-		75-125	-		20
Selenium, TCLP	ND	1.2	1.22	102		-	-		75-125	-		20
Silver, TCLP	ND	0.5	0.483	97		-	-		75-125	-		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1666724-3 QC Sample: L2239208-02 Client ID: MS Sample												
Mercury, TCLP	ND	0.025	0.0245	98		-	-		80-120	-		20

Lab Duplicate Analysis *Batch Quality Control*

Project Name: TROY FORMER MGP SITE

Project Number: TROY FORMER MGP SITE

Lab Number: L2239480

Report Date: 02/14/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1666722-4 QC Sample: L2239208-01 Client ID: DUP Sample						
Arsenic, TCLP	ND	ND	mg/l	NC		20
Barium, TCLP	0.621	0.606	mg/l	2		20
Cadmium, TCLP	ND	ND	mg/l	NC		20
Chromium, TCLP	ND	ND	mg/l	NC		20
Lead, TCLP	0.045J	0.0320J	mg/l	NC		20
Selenium, TCLP	ND	ND	mg/l	NC		20
Silver, TCLP	ND	ND	mg/l	NC		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1666724-4 QC Sample: L2239208-02 Client ID: DUP Sample						
Mercury, TCLP	ND	ND	mg/l	NC		20

INORGANICS & MISCELLANEOUS

Project Name: TROY FORMER MGP SITE
Project Number: TROY FORMER MGP SITE

Lab Number: L2239480
Report Date: 02/14/23

SAMPLE RESULTS

Lab ID: L2239480-01
Client ID: AREA 2 ISS TEST PIT 4
Sample Location: 8000 MAIN STREET, TROY, NY, 12180

Date Collected: 07/22/22 12:00
Date Received: 07/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material: Unknown
Description of Material: Non-Metallic - Damp Soil
Particle Size: Granular
Preliminary Burning Time (sec): 120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	07/25/22 05:05	1,1030	PA



Project Name: TROY FORMER MGP SITE
Project Number: TROY FORMER MGP SITE

Lab Number: L2239480
Report Date: 02/14/23

SAMPLE RESULTS

Lab ID: L2239480-02
Client ID: AREA 2 ISS TEST PIT 5
Sample Location: 8000 MAIN STREET, TROY, NY, 12180

Date Collected: 07/22/22 12:15
Date Received: 07/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material: Unknown
Description of Material: Non-Metallic - Damp Soil
Particle Size: Medium
Preliminary Burning Time (sec): 120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	07/25/22 05:05	1,1030	PA



Project Name: TROY FORMER MGP SITE
Project Number: TROY FORMER MGP SITE

Lab Number: L2239480
Report Date: 02/14/23

SAMPLE RESULTS

Lab ID: L2239480-03
Client ID: AREA 2 ISS TEST PIT 6
Sample Location: 8000 MAIN STREET, TROY, NY, 12180

Date Collected: 07/22/22 12:30
Date Received: 07/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material: Unknown
Description of Material: Non-Metallic - Damp Soil
Particle Size: Medium
Preliminary Burning Time (sec): 120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	07/25/22 05:05	1,1030	PA



Project Name: TROY FORMER MGP SITE
Project Number: TROY FORMER MGP SITE

Lab Number: L2239480
Report Date: 02/14/23

SAMPLE RESULTS

Lab ID: L2239480-04
Client ID: AREA 2 ISS TEST PIT 7
Sample Location: 8000 MAIN STREET, TROY, NY, 12180

Date Collected: 07/22/22 12:45
Date Received: 07/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material: Unknown
Description of Material: Non-Metallic - Damp Soil
Particle Size: Medium
Preliminary Burning Time (sec): 120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	07/25/22 05:05	1,1030	PA



Project Name: TROY FORMER MGP SITE
Project Number: TROY FORMER MGP SITE

Lab Number: L2239480
Report Date: 02/14/23

SAMPLE RESULTS

Lab ID: L2239480-05
Client ID: AREA 2 ISS TEST PIT 8
Sample Location: 8000 MAIN STREET, TROY, NY, 12180

Date Collected: 07/22/22 13:00
Date Received: 07/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material: Unknown
Description of Material: Non-Metallic - Damp Soil
Particle Size: Medium
Preliminary Burning Time (sec): 120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	07/25/22 05:05	1,1030	PA



Project Name: TROY FORMER MGP SITE

Lab Number: L2239480

Project Number: TROY FORMER MGP SITE

Report Date: 02/14/23

SAMPLE RESULTS

Lab ID: L2239480-01

Date Collected: 07/22/22 12:00

Client ID: AREA 2 ISS TEST PIT 4

Date Received: 07/22/22

Sample Location: 8000 MAIN STREET, TROY, NY, 12180

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.4		%	0.100	NA	1	-	07/23/22 08:42	121,2540G	RI
pH (H)	9.0		SU	-	NA	1	-	07/25/22 09:21	1,9045D	KS
Cyanide, Reactive	ND		mg/kg	10	10.	1	07/25/22 08:50	07/25/22 11:35	125,7.3	MJ
Sulfide, Reactive	ND		mg/kg	10	10.	1	07/25/22 08:50	07/25/22 10:58	125,7.3	MJ
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	07/25/22 16:54	1,9095B	AS



Project Name: TROY FORMER MGP SITE
Project Number: TROY FORMER MGP SITE

Lab Number: L2239480
Report Date: 02/14/23

SAMPLE RESULTS

Lab ID: L2239480-02
Client ID: AREA 2 ISS TEST PIT 5
Sample Location: 8000 MAIN STREET, TROY, NY, 12180

Date Collected: 07/22/22 12:15
Date Received: 07/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.0		%	0.100	NA	1	-	07/23/22 08:42	121,2540G	RI
pH (H)	10.2		SU	-	NA	1	-	07/25/22 09:21	1,9045D	KS
Cyanide, Reactive	ND		mg/kg	10	10.	1	07/25/22 08:50	07/25/22 11:35	125,7.3	MJ
Sulfide, Reactive	ND		mg/kg	10	10.	1	07/25/22 08:50	07/25/22 10:58	125,7.3	MJ
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	07/25/22 16:54	1,9095B	AS



Project Name: TROY FORMER MGP SITE

Lab Number: L2239480

Project Number: TROY FORMER MGP SITE

Report Date: 02/14/23

SAMPLE RESULTS

Lab ID: L2239480-03

Date Collected: 07/22/22 12:30

Client ID: AREA 2 ISS TEST PIT 6

Date Received: 07/22/22

Sample Location: 8000 MAIN STREET, TROY, NY, 12180

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.4		%	0.100	NA	1	-	07/23/22 08:42	121,2540G	RI
pH (H)	9.6		SU	-	NA	1	-	07/25/22 09:21	1,9045D	KS
Cyanide, Reactive	ND		mg/kg	10	10.	1	07/25/22 08:50	07/25/22 11:36	125,7.3	MJ
Sulfide, Reactive	ND		mg/kg	10	10.	1	07/25/22 08:50	07/25/22 10:59	125,7.3	MJ
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	07/25/22 16:54	1,9095B	AS



Project Name: TROY FORMER MGP SITE

Lab Number: L2239480

Project Number: TROY FORMER MGP SITE

Report Date: 02/14/23

SAMPLE RESULTS

Lab ID: L2239480-04

Date Collected: 07/22/22 12:45

Client ID: AREA 2 ISS TEST PIT 7

Date Received: 07/22/22

Sample Location: 8000 MAIN STREET, TROY, NY, 12180

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.5		%	0.100	NA	1	-	07/23/22 08:42	121,2540G	RI
pH (H)	9.1		SU	-	NA	1	-	07/25/22 09:21	1,9045D	KS
Cyanide, Reactive	ND		mg/kg	10	10.	1	07/25/22 08:50	07/25/22 11:36	125,7.3	MJ
Sulfide, Reactive	ND		mg/kg	10	10.	1	07/25/22 08:50	07/25/22 10:59	125,7.3	MJ
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	07/25/22 16:54	1,9095B	AS



Project Name: TROY FORMER MGP SITE

Lab Number: L2239480

Project Number: TROY FORMER MGP SITE

Report Date: 02/14/23

SAMPLE RESULTS

Lab ID: L2239480-05

Date Collected: 07/22/22 13:00

Client ID: AREA 2 ISS TEST PIT 8

Date Received: 07/22/22

Sample Location: 8000 MAIN STREET, TROY, NY, 12180

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.1		%	0.100	NA	1	-	07/23/22 08:42	121,2540G	RI
pH (H)	9.3		SU	-	NA	1	-	07/25/22 09:21	1,9045D	KS
Cyanide, Reactive	ND		mg/kg	10	10.	1	07/25/22 12:40	07/25/22 15:15	125,7.3	MJ
Sulfide, Reactive	ND		mg/kg	10	10.	1	07/25/22 12:40	07/25/22 14:46	125,7.3	MJ
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	07/25/22 16:54	1,9095B	AS



Project Name: TROY FORMER MGP SITE

Lab Number: L2239480

Project Number: TROY FORMER MGP SITE

Report Date: 02/14/23

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-04 Batch: WG1666148-1										
Sulfide, Reactive	ND		mg/kg	10	10.	1	07/25/22 08:50	07/25/22 10:55	125,7.3	MJ
General Chemistry - Westborough Lab for sample(s): 01-04 Batch: WG1666866-1										
Cyanide, Reactive	ND		mg/kg	10	10.	1	07/25/22 08:50	07/25/22 11:30	125,7.3	MJ
General Chemistry - Westborough Lab for sample(s): 05 Batch: WG1666903-1										
Sulfide, Reactive	ND		mg/kg	10	10.	1	07/25/22 12:40	07/25/22 14:31	125,7.3	MJ
General Chemistry - Westborough Lab for sample(s): 05 Batch: WG1667036-1										
Cyanide, Reactive	ND		mg/kg	10	10.	1	07/25/22 12:40	07/25/22 15:04	125,7.3	MJ

Lab Control Sample Analysis

Batch Quality Control

Project Name: TROY FORMER MGP SITE

Project Number: TROY FORMER MGP SITE

Lab Number: L2239480

Report Date: 02/14/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 Batch: WG1666148-2								
Sulfide, Reactive	93		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01-04 Batch: WG1666866-2								
Cyanide, Reactive	93		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 05 Batch: WG1666903-2								
Sulfide, Reactive	92		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01-05 Batch: WG1666924-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 05 Batch: WG1667036-2								
Cyanide, Reactive	92		-		30-125	-		40

Lab Duplicate Analysis

Batch Quality Control

Project Name: TROY FORMER MGP SITE

Project Number: TROY FORMER MGP SITE

Lab Number: L2239480

Report Date: 02/14/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1666148-3 QC Sample: L2238028-03 Client ID: DUP Sample						
Sulfide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG1666472-1 QC Sample: L2239276-01 Client ID: DUP Sample						
Solids, Total	81.1	81.8	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 05 QC Batch ID: WG1666903-3 QC Sample: L2239419-04 Client ID: DUP Sample						
Sulfide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG1666924-2 QC Sample: L2239453-01 Client ID: DUP Sample						
pH	8.4	8.4	SU	0		5
General Chemistry - Westborough Lab Associated sample(s): 05 QC Batch ID: WG1667036-3 QC Sample: L2239419-04 Client ID: DUP Sample						
Cyanide, Reactive	ND	ND	mg/kg	NC		40

Project Name: TROY FORMER MGP SITE**Lab Number:** L2239480**Project Number:** TROY FORMER MGP SITE**Report Date:** 02/14/23**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2239480-01A	Plastic 2oz unpreserved for TS	A	NA		3.7	Y	Absent		TS(7)
L2239480-01B	Glass 120ml/4oz unpreserved	A	NA		3.7	Y	Absent		IGNIT-1030(14),REACTS(14),PH-9045(1),PAINTF(),NYTCL-8082-PPM(365),REACTCN(14)
L2239480-01C	Vial Large Septa unpreserved (4oz)	A	NA		3.7	Y	Absent		TCLP-EXT-ZHE(14)
L2239480-01D	Glass 500ml/16oz unpreserved	A	NA		3.7	Y	Absent		IGNIT-1030(14),REACTS(14),PH-9045(1),PAINTF(),NYTCL-8082-PPM(365),REACTCN(14)
L2239480-01W	Amber 1000ml unpreserved Extracts	A	NA		3.7	Y	Absent		TCLP-8270(14),HERB-TCLP*(14),PEST-TCLP*(14)
L2239480-01X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.7	Y	Absent		CD-CI(180),BA-CI(180),AS-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L2239480-01X9	Tumble Vessel	A	NA		3.7	Y	Absent		-
L2239480-01Y	Vial unpreserved Extracts	A	NA		3.7	Y	Absent		TCLP-VOA(14)
L2239480-01Z	Vial unpreserved Extracts	A	NA		3.7	Y	Absent		TCLP-VOA(14)
L2239480-02A	Plastic 2oz unpreserved for TS	A	NA		3.7	Y	Absent		TS(7)
L2239480-02B	Glass 120ml/4oz unpreserved	A	NA		3.7	Y	Absent		REACTS(14),IGNIT-1030(14),PH-9045(1),PAINTF(),REACTCN(14),NYTCL-8082-PPM(365)
L2239480-02C	Vial Large Septa unpreserved (4oz)	A	NA		3.7	Y	Absent		TCLP-EXT-ZHE(14)
L2239480-02D	Glass 500ml/16oz unpreserved	A	NA		3.7	Y	Absent		REACTS(14),IGNIT-1030(14),PH-9045(1),PAINTF(),REACTCN(14),NYTCL-8082-PPM(365)
L2239480-02W	Amber 1000ml unpreserved Extracts	A	NA		3.7	Y	Absent		TCLP-8270(14),HERB-TCLP*(14),PEST-TCLP*(14)
L2239480-02X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.7	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L2239480-02X9	Tumble Vessel	A	NA		3.7	Y	Absent		-
L2239480-02Y	Vial unpreserved Extracts	A	NA		3.7	Y	Absent		TCLP-VOA(14)

Project Name: TROY FORMER MGP SITE**Lab Number:** L2239480**Project Number:** TROY FORMER MGP SITE**Report Date:** 02/14/23**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2239480-02Z	Vial unpreserved Extracts	A	NA		3.7	Y	Absent		TCLP-VOA(14)
L2239480-03A	Plastic 2oz unpreserved for TS	A	NA		3.7	Y	Absent		TS(7)
L2239480-03B	Glass 120ml/4oz unpreserved	A	NA		3.7	Y	Absent		IGNIT-1030(14),REACTS(14),PH-9045(1),PAINTF(),NYTCL-8082-PPM(365),REACTCN(14)
L2239480-03C	Vial Large Septa unpreserved (4oz)	A	NA		3.7	Y	Absent		TCLP-EXT-ZHE(14)
L2239480-03D	Glass 500ml/16oz unpreserved	A	NA		3.7	Y	Absent		IGNIT-1030(14),REACTS(14),PH-9045(1),PAINTF(),NYTCL-8082-PPM(365),REACTCN(14)
L2239480-03W	Amber 1000ml unpreserved Extracts	A	NA		3.7	Y	Absent		TCLP-8270(14),HERB-TCLP*(14),PEST-TCLP*(14)
L2239480-03X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.7	Y	Absent		CD-CI(180),BA-CI(180),AS-CI(180),HG-C(28),PB-CI(180),SE-CI(180),CR-CI(180),AG-CI(180)
L2239480-03X9	Tumble Vessel	A	NA		3.7	Y	Absent		-
L2239480-03Y	Vial unpreserved Extracts	A	NA		3.7	Y	Absent		TCLP-VOA(14)
L2239480-03Z	Vial unpreserved Extracts	A	NA		3.7	Y	Absent		TCLP-VOA(14)
L2239480-04A	Plastic 2oz unpreserved for TS	A	NA		3.7	Y	Absent		TS(7)
L2239480-04B	Glass 120ml/4oz unpreserved	A	NA		3.7	Y	Absent		IGNIT-1030(14),REACTS(14),PH-9045(1),PAINTF(),NYTCL-8082-PPM(365),REACTCN(14)
L2239480-04C	Vial Large Septa unpreserved (4oz)	A	NA		3.7	Y	Absent		TCLP-EXT-ZHE(14)
L2239480-04D	Glass 500ml/16oz unpreserved	A	NA		3.7	Y	Absent		IGNIT-1030(14),REACTS(14),PH-9045(1),PAINTF(),NYTCL-8082-PPM(365),REACTCN(14)
L2239480-04W	Amber 1000ml unpreserved Extracts	A	NA		3.7	Y	Absent		TCLP-8270(14),PEST-TCLP*(14),HERB-TCLP*(14)
L2239480-04X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.7	Y	Absent		CD-CI(180),BA-CI(180),AS-CI(180),HG-C(28),PB-CI(180),SE-CI(180),CR-CI(180),AG-CI(180)
L2239480-04X9	Tumble Vessel	A	NA		3.7	Y	Absent		-
L2239480-04Y	Vial unpreserved Extracts	A	NA		3.7	Y	Absent		TCLP-VOA(14)
L2239480-04Z	Vial unpreserved Extracts	A	NA		3.7	Y	Absent		TCLP-VOA(14)
L2239480-05A	Plastic 2oz unpreserved for TS	A	NA		3.7	Y	Absent		TS(7)
L2239480-05B	Glass 120ml/4oz unpreserved	A	NA		3.7	Y	Absent		IGNIT-1030(14),REACTS(14),PH-9045(1),PAINTF(),REACTCN(14),NYTCL-8082-PPM(365)
L2239480-05C	Vial Large Septa unpreserved (4oz)	A	NA		3.7	Y	Absent		TCLP-EXT-ZHE(14)

Project Name: TROY FORMER MGP SITE**Lab Number:** L2239480**Project Number:** TROY FORMER MGP SITE**Report Date:** 02/14/23**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2239480-05D	Glass 500ml/16oz unpreserved	A	NA		3.7	Y	Absent		IGNIT-1030(14),REACTS(14),PH-9045(1),PAINTF(),REACTCN(14),NYTCL-8082-PPM(365)
L2239480-05W	Amber 1000ml unpreserved Extracts	A	NA		3.7	Y	Absent		TCLP-8270(14),PEST-TCLP*(14),HERB-TCLP*(14)
L2239480-05X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.7	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),SE-CI(180),CR-CI(180),AG-CI(180)
L2239480-05X9	Tumble Vessel	A	NA		3.7	Y	Absent		-
L2239480-05Y	Vial unpreserved Extracts	A	NA		3.7	Y	Absent		TCLP-VOA(14)
L2239480-05Z	Vial unpreserved Extracts	A	NA		3.7	Y	Absent		TCLP-VOA(14)

Project Name: TROY FORMER MGP SITE
Project Number: TROY FORMER MGP SITE

Lab Number: L2239480
Report Date: 02/14/23

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers



Project Name: TROY FORMER MGP SITE
Project Number: TROY FORMER MGP SITE

Lab Number: L2239480
Report Date: 02/14/23

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers



Project Name: TROY FORMER MGP SITE
Project Number: TROY FORMER MGP SITE

Lab Number: L2239480
Report Date: 02/14/23

Data Qualifiers

Identified Compounds (TICs).

- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: DU Report with 'J' Qualifiers



Project Name: TROY FORMER MGP SITE
Project Number: TROY FORMER MGP SITE

Lab Number: L2239480
Report Date: 02/14/23

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.
- 125 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates IIIA, April 1998.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Alpha Analytical, Inc.Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

Revision 19

Published Date: 4/2/2021 1:14:23 PM

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Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 625/625.1:** alpha-Terpineol**EPA 8260C/8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D/8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,****SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.****EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.****EPA 522, EPA 537.1.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1 Hg.****SM2340B**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

 NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193 Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288	Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105		Page 1 of		Date Rec'd in Lab <u>07/23/22</u>		ALPHA Job # <u>12239480</u>				
	Project Information Project Name: <u>Cohoes (Linden Street) Former MGP Site</u> Project Location: <u>2 Linden Street, Cohoes, NY 12047</u> Project # _____ (Use Project name as Project #) ☒				Deliverables ☐ ASP-A ☐ ASP-B ☐ EQUiS (1 File) ☐ EQUiS (4 File) ☐ Other		Billing Information ☐ Same as Client Info PO # _____				
Client Information Client: <u>LAND Remediation</u> Address: <u>74 Hudson River Road,</u> <u>Waterford, NY 12188</u> Phone: <u>203.233.4100</u> Fax: _____ Email: <u>jlb@land-remediation.com</u>				Regulatory Requirement ☐ NY TOGS ☐ NY Part 375 ☐ AWQ Standards ☐ NY CP-51 ☐ NY Restricted Use ☐ Other ☐ NY Unrestricted Use ☐ NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: ☐ NJ ☒ NY ☐ Other: _____					
These samples have been previously analyzed by Alpha ☐ Other project specific requirements/comments: <u>ONLY REPORT MAXIMUM TCL PCBs QUANTITY TO 1 PPM.</u> Please specify Metals or TAL.				ANALYSIS Total Solids - SM 2540 TCLP Complete Analysis Hazardous Waste Characterization Paint Filter Test TCL PCBs - EPA 8082A		Sample Filtration ☐ Done ☐ Lab to do Preservation ☐ Lab to do (Please Specify below)					
ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	Total Solids - SM 2540	TCLP Complete Analysis	Hazardous Waste Characterization	Paint Filter Test	TCL PCBs - EPA 8082A	Sample Specific Comments
		Date	Time								
<u>39480-01</u>	Area 2 ISS Test Pit 4	7.22.2022	12:00	Soil	JC	X	X	X	X	X	
<u>-02</u>	Area 2 ISS Test Pit 5	7.22.2022	12:15	Soil	JC	X	X	X	X	X	
<u>03</u>	Area 2 ISS Test Pit 6	7.22.2022	12:30	Soil	JC	X	X	X	X	X	
<u>-04</u>	Area 2 ISS Test Pit 7	7.22.2022	12:45	Soil	JC	X	X	X	X	X	
<u>-05</u>	Area 2 ISS Test Pit 8	7.22.2022	13:00	Soil	JC	X	X	X	X	X	
						X	X	X	X	X	
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other		Container Code: P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type G G G G G		Preservative		Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS .	
Relinquished By:		Date/Time		Received By:		Date/Time					
<u>Jon Borrelli</u>		<u>7.22.22 / 1645</u>		<u>John J. ...</u>		<u>7/22/22 1645</u>					
<u>John J. ...</u>		<u>7/22/22 1645</u>		<u>John J. ...</u>		<u>7/23/22 0210</u>					



ANALYTICAL REPORT

Lab Number:	L2243200
Client:	Land Remediation, Inc. 74 Hudson River Road Waterford, NY 12188
ATTN:	Jonathan Borrelli
Phone:	(203) 233-4100
Project Name:	TROY MGP FORMER MGP SITE
Project Number:	TROY FORMER MGP SITE
Report Date:	08/17/22

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: TROY MGP FORMER MGP SITE
Project Number: TROY FORMER MGP SITE

Lab Number: L2243200
Report Date: 08/17/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2243200-01	AREA 2 ISS SWELL 9	SOIL	8000 MAIN STREET, TROY, NY, 12180	08/10/22 11:00	08/10/22
L2243200-02	AREA 2 ISS SWELL 10	SOIL	8000 MAIN STREET, TROY, NY, 12180	08/10/22 11:30	08/10/22

Project Name: TROY MGP FORMER MGP SITE
Project Number: TROY FORMER MGP SITE

Lab Number: L2243200
Report Date: 08/17/22

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: TROY MGP FORMER MGP SITE
Project Number: TROY FORMER MGP SITE

Lab Number: L2243200
Report Date: 08/17/22

Case Narrative (continued)

Report Submission

August 17, 2022: This final report includes the results of all requested analyses.

August 15, 2022: This is a preliminary report.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Cristin Walker

Title: Technical Director/Representative

Date: 08/17/22

ORGANICS

VOLATILES

Project Name: TROY MGP FORMER MGP SITE**Lab Number:** L2243200**Project Number:** TROY FORMER MGP SI**Report Date:** 08/17/22**SAMPLE RESULTS**

Lab ID: L2243200-01
 Client ID: AREA 2 ISS SWELL 9
 Sample Location: 8000 MAIN STREET, TROY, NY, 12180

Date Collected: 08/10/22 11:00
 Date Received: 08/10/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 08/12/22 10:18
 Analyst: MM
 Percent Solids: 86%
 TCLP/SPLP Ext. Date: 08/11/22 12:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	--	10
Carbon tetrachloride	ND		ug/l	5.0	--	10
Tetrachloroethene	ND		ug/l	5.0	--	10
Chlorobenzene	ND		ug/l	5.0	--	10
1,2-Dichloroethane	ND		ug/l	5.0	--	10
Benzene	ND		ug/l	5.0	--	10
Vinyl chloride	ND		ug/l	10	--	10
1,1-Dichloroethene	ND		ug/l	5.0	--	10
Trichloroethene	ND		ug/l	5.0	--	10
1,4-Dichlorobenzene	ND		ug/l	25	--	10
2-Butanone	ND		ug/l	50	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	100		70-130
dibromofluoromethane	119		70-130

Project Name: TROY MGP FORMER MGP SITE**Lab Number:** L2243200**Project Number:** TROY FORMER MGP SI**Report Date:** 08/17/22**SAMPLE RESULTS**

Lab ID: L2243200-02
 Client ID: AREA 2 ISS SWELL 10
 Sample Location: 8000 MAIN STREET, TROY, NY, 12180

Date Collected: 08/10/22 11:30
 Date Received: 08/10/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 08/12/22 10:41
 Analyst: MM
 Percent Solids: 73%
 TCLP/SPLP Ext. Date: 08/11/22 12:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	--	10
Carbon tetrachloride	ND		ug/l	5.0	--	10
Tetrachloroethene	ND		ug/l	5.0	--	10
Chlorobenzene	ND		ug/l	5.0	--	10
1,2-Dichloroethane	ND		ug/l	5.0	--	10
Benzene	ND		ug/l	5.0	--	10
Vinyl chloride	ND		ug/l	10	--	10
1,1-Dichloroethene	ND		ug/l	5.0	--	10
Trichloroethene	ND		ug/l	5.0	--	10
1,4-Dichlorobenzene	ND		ug/l	25	--	10
2-Butanone	ND		ug/l	50	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	100		70-130
dibromofluoromethane	120		70-130

Project Name: TROY MGP FORMER MGP SITE**Lab Number:** L2243200**Project Number:** TROY FORMER MGP SITE**Report Date:** 08/17/22

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/12/22 07:16
 Analyst: MM
 TCLP/SPLP Extraction Date: 08/11/22 12:59

Extraction Date: 08/11/22 12:59

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Volatiles by EPA 1311 - Westborough Lab for sample(s): 01-02 Batch: WG1675229-5					
Chloroform	ND		ug/l	7.5	--
Carbon tetrachloride	ND		ug/l	5.0	--
Tetrachloroethene	ND		ug/l	5.0	--
Chlorobenzene	ND		ug/l	5.0	--
1,2-Dichloroethane	ND		ug/l	5.0	--
Benzene	ND		ug/l	5.0	--
Vinyl chloride	ND		ug/l	10	--
1,1-Dichloroethene	ND		ug/l	5.0	--
Trichloroethene	ND		ug/l	5.0	--
1,4-Dichlorobenzene	ND		ug/l	25	--
2-Butanone	ND		ug/l	50	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	100		70-130
dibromofluoromethane	113		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: TROY MGP FORMER MGP SITE

Lab Number: L2243200

Project Number: TROY FORMER MGP SITE

Report Date: 08/17/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Volatiles by EPA 1311 - Westborough Lab Associated sample(s): 01-02 Batch: WG1675229-3 WG1675229-4								
Chloroform	95		96		70-130	1		20
Carbon tetrachloride	100		100		63-132	0		20
Tetrachloroethene	93		89		70-130	4		20
Chlorobenzene	96		94		75-130	2		25
1,2-Dichloroethane	100		110		70-130	10		20
Benzene	98		97		70-130	1		25
Vinyl chloride	120		120		55-140	0		20
1,1-Dichloroethene	94		95		61-145	1		25
Trichloroethene	100		99		70-130	1		25
1,4-Dichlorobenzene	94		92		70-130	2		20
2-Butanone	140	Q	140	Q	63-138	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	110		110		70-130
Toluene-d8	95		94		70-130
4-Bromofluorobenzene	98		99		70-130
dibromofluoromethane	101		107		70-130

SEMIVOLATILES

Project Name: TROY MGP FORMER MGP SITE**Lab Number:** L2243200**Project Number:** TROY FORMER MGP SI**Report Date:** 08/17/22**SAMPLE RESULTS**

Lab ID: L2243200-01
 Client ID: AREA 2 ISS SWELL 9
 Sample Location: 8000 MAIN STREET, TROY, NY, 12180

Date Collected: 08/10/22 11:00
 Date Received: 08/10/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 08/14/22 15:31
 Analyst: SZ
 Percent Solids: 86%
 TCLP/SPLP Ext. Date: 08/12/22 17:15

Extraction Method: EPA 3510C
 Extraction Date: 08/13/22 21:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
Hexachlorobenzene	ND		ug/l	10	--	1
2,4-Dinitrotoluene	ND		ug/l	25	--	1
Hexachlorobutadiene	ND		ug/l	10	--	1
Hexachloroethane	ND		ug/l	10	--	1
Nitrobenzene	ND		ug/l	10	--	1
2,4,6-Trichlorophenol	ND		ug/l	25	--	1
Pentachlorophenol	ND		ug/l	50	--	1
2-Methylphenol	ND		ug/l	25	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	--	1
2,4,5-Trichlorophenol	ND		ug/l	25	--	1
Pyridine	ND		ug/l	18	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	79		21-120
Phenol-d6	69		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	65		15-120
2,4,6-Tribromophenol	119		10-120
4-Terphenyl-d14	81		33-120

Project Name: TROY MGP FORMER MGP SITE**Lab Number:** L2243200**Project Number:** TROY FORMER MGP SI**Report Date:** 08/17/22**SAMPLE RESULTS**

Lab ID: L2243200-02
 Client ID: AREA 2 ISS SWELL 10
 Sample Location: 8000 MAIN STREET, TROY, NY, 12180

Date Collected: 08/10/22 11:30
 Date Received: 08/10/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 08/15/22 14:33
 Analyst: ALS
 Percent Solids: 73%
 TCLP/SPLP Ext. Date: 08/12/22 17:15

Extraction Method: EPA 3510C
 Extraction Date: 08/13/22 21:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
Hexachlorobenzene	ND		ug/l	10	--	1
2,4-Dinitrotoluene	ND		ug/l	25	--	1
Hexachlorobutadiene	ND		ug/l	10	--	1
Hexachloroethane	ND		ug/l	10	--	1
Nitrobenzene	ND		ug/l	10	--	1
2,4,6-Trichlorophenol	ND		ug/l	25	--	1
Pentachlorophenol	ND		ug/l	50	--	1
2-Methylphenol	ND		ug/l	25	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	--	1
2,4,5-Trichlorophenol	ND		ug/l	25	--	1
Pyridine	ND		ug/l	18	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	60		21-120
Phenol-d6	52		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	60		15-120
2,4,6-Tribromophenol	89		10-120
4-Terphenyl-d14	68		33-120

Project Name: TROY MGP FORMER MGP SITE**Lab Number:** L2243200**Project Number:** TROY FORMER MGP SITE**Report Date:** 08/17/22

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 08/14/22 13:16
 Analyst: SZ
 TCLP/SPLP Extraction Date: 08/12/22 17:15

Extraction Method: EPA 3510C
 Extraction Date: 08/13/22 21:10

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Semivolatiles by EPA 1311 - Westborough Lab for sample(s): 01-02 Batch: WG1674978-1					
Hexachlorobenzene	ND		ug/l	10	--
2,4-Dinitrotoluene	ND		ug/l	25	--
Hexachlorobutadiene	ND		ug/l	10	--
Hexachloroethane	ND		ug/l	10	--
Nitrobenzene	ND		ug/l	10	--
2,4,6-Trichlorophenol	ND		ug/l	25	--
Pentachlorophenol	ND		ug/l	50	--
2-Methylphenol	ND		ug/l	25	--
3-Methylphenol/4-Methylphenol	ND		ug/l	25	--
2,4,5-Trichlorophenol	ND		ug/l	25	--
Pyridine	ND		ug/l	18	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	63		21-120
Phenol-d6	54		10-120
Nitrobenzene-d5	59		23-120
2-Fluorobiphenyl	54		15-120
2,4,6-Tribromophenol	91		10-120
4-Terphenyl-d14	66		33-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: TROY MGP FORMER MGP SITE

Lab Number: L2243200

Project Number: TROY FORMER MGP SITE

Report Date: 08/17/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Semivolatiles by EPA 1311 - Westborough Lab Associated sample(s): 01-02 Batch: WG1674978-2 WG1674978-3								
Hexachlorobenzene	70		71		40-140	1		30
2,4-Dinitrotoluene	69		69		40-132	0		30
Hexachlorobutadiene	48		48		28-111	0		30
Hexachloroethane	61		60		21-105	2		30
Nitrobenzene	60		62		40-140	3		30
2,4,6-Trichlorophenol	57		58		30-130	2		30
Pentachlorophenol	65		66		9-103	2		30
2-Methylphenol	63		64		30-130	2		30
3-Methylphenol/4-Methylphenol	65		68		30-130	5		30
2,4,5-Trichlorophenol	58		62		30-130	7		30
Pyridine	22		20		10-66	10		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	65		67		21-120
Phenol-d6	56		58		10-120
Nitrobenzene-d5	66		69		23-120
2-Fluorobiphenyl	55		57		15-120
2,4,6-Tribromophenol	97		95		10-120
4-Terphenyl-d14	62		62		33-120

PCBS

Project Name: TROY MGP FORMER MGP SITE**Lab Number:** L2243200**Project Number:** TROY FORMER MGP SI**Report Date:** 08/17/22**SAMPLE RESULTS**

Lab ID: L2243200-01
 Client ID: AREA 2 ISS SWELL 9
 Sample Location: 8000 MAIN STREET, TROY, NY, 12180

Date Collected: 08/10/22 11:00
 Date Received: 08/10/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 08/13/22 10:19
 Analyst: ER
 Percent Solids: 86%

Extraction Method: EPA 3546
 Extraction Date: 08/12/22 14:14
 Cleanup Method: EPA 3665A
 Cleanup Date: 08/12/22
 Cleanup Method: EPA 3660B
 Cleanup Date: 08/13/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		mg/kg	1.00	--	1	A
Aroclor 1221	ND		mg/kg	1.00	--	1	A
Aroclor 1232	ND		mg/kg	1.00	--	1	A
Aroclor 1242	ND		mg/kg	1.00	--	1	A
Aroclor 1248	ND		mg/kg	1.00	--	1	A
Aroclor 1254	ND		mg/kg	1.00	--	1	A
Aroclor 1260	ND		mg/kg	1.00	--	1	A
Aroclor 1262	ND		mg/kg	1.00	--	1	A
Aroclor 1268	ND		mg/kg	1.00	--	1	A
PCBs, Total	ND		mg/kg	1.00	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	43		30-150	A
Decachlorobiphenyl	41		30-150	A
2,4,5,6-Tetrachloro-m-xylene	42		30-150	B
Decachlorobiphenyl	59		30-150	B

Project Name: TROY MGP FORMER MGP SITE**Lab Number:** L2243200**Project Number:** TROY FORMER MGP SI**Report Date:** 08/17/22**SAMPLE RESULTS**

Lab ID: L2243200-02
 Client ID: AREA 2 ISS SWELL 10
 Sample Location: 8000 MAIN STREET, TROY, NY, 12180

Date Collected: 08/10/22 11:30
 Date Received: 08/10/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 08/13/22 10:27
 Analyst: ER
 Percent Solids: 73%

Extraction Method: EPA 3546
 Extraction Date: 08/12/22 14:14
 Cleanup Method: EPA 3665A
 Cleanup Date: 08/12/22
 Cleanup Method: EPA 3660B
 Cleanup Date: 08/13/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		mg/kg	1.00	--	1	A
Aroclor 1221	ND		mg/kg	1.00	--	1	A
Aroclor 1232	ND		mg/kg	1.00	--	1	A
Aroclor 1242	ND		mg/kg	1.00	--	1	A
Aroclor 1248	ND		mg/kg	1.00	--	1	A
Aroclor 1254	ND		mg/kg	1.00	--	1	A
Aroclor 1260	ND		mg/kg	1.00	--	1	A
Aroclor 1262	ND		mg/kg	1.00	--	1	A
Aroclor 1268	ND		mg/kg	1.00	--	1	A
PCBs, Total	ND		mg/kg	1.00	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	42		30-150	A
Decachlorobiphenyl	43		30-150	A
2,4,5,6-Tetrachloro-m-xylene	41		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: TROY MGP FORMER MGP SITE
Project Number: TROY FORMER MGP SITE

Lab Number: L2243200
Report Date: 08/17/22

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 08/13/22 09:55
 Analyst: ER

Extraction Method: EPA 3546
 Extraction Date: 08/12/22 14:14
 Cleanup Method: EPA 3665A
 Cleanup Date: 08/12/22
 Cleanup Method: EPA 3660B
 Cleanup Date: 08/13/22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-02 Batch: WG1674665-1						
Aroclor 1016	ND		mg/kg	1.00	--	A
Aroclor 1221	ND		mg/kg	1.00	--	A
Aroclor 1232	ND		mg/kg	1.00	--	A
Aroclor 1242	ND		mg/kg	1.00	--	A
Aroclor 1248	ND		mg/kg	1.00	--	A
Aroclor 1254	ND		mg/kg	1.00	--	A
Aroclor 1262	ND		mg/kg	1.00	--	A
Aroclor 1268	ND		mg/kg	1.00	--	A
Aroclor 1260	ND		mg/kg	1.00	--	B
PCBs, Total	ND		mg/kg	1.00	--	B

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	61		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: TROY MGP FORMER MGP SITE

Lab Number: L2243200

Project Number: TROY FORMER MGP SITE

Report Date: 08/17/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG1674665-2 WG1674665-3									
Aroclor 1016	72		76		40-140	5		50	A
Aroclor 1260	69		73		40-140	6		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		71		30-150	A
Decachlorobiphenyl	62		68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		70		30-150	B
Decachlorobiphenyl	59		64		30-150	B

PESTICIDES

Project Name: TROY MGP FORMER MGP SITE**Lab Number:** L2243200**Project Number:** TROY FORMER MGP SI**Report Date:** 08/17/22**SAMPLE RESULTS**

Lab ID: L2243200-01
 Client ID: AREA 2 ISS SWELL 9
 Sample Location: 8000 MAIN STREET, TROY, NY, 12180

Date Collected: 08/10/22 11:00
 Date Received: 08/10/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 08/14/22 12:03
 Analyst: MMG
 Percent Solids: 86%
 TCLP/SPLP Ext. Date: 08/12/22 17:15

Extraction Method: EPA 3510C
 Extraction Date: 08/13/22 21:06

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Pesticides by EPA 1311 - Westborough Lab							
Lindane	ND		ug/l	0.100	--	1	A
Heptachlor	ND		ug/l	0.100	--	1	A
Heptachlor epoxide	ND		ug/l	0.100	--	1	A
Endrin	ND		ug/l	0.200	--	1	A
Methoxychlor	ND		ug/l	1.00	--	1	A
Toxaphene	ND		ug/l	1.00	--	1	A
Chlordane	ND		ug/l	1.00	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	89		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	88		30-150	B

Project Name: TROY MGP FORMER MGP SITE**Lab Number:** L2243200**Project Number:** TROY FORMER MGP SI**Report Date:** 08/17/22**SAMPLE RESULTS**

Lab ID: L2243200-01
 Client ID: AREA 2 ISS SWELL 9
 Sample Location: 8000 MAIN STREET, TROY, NY, 12180

Date Collected: 08/10/22 11:00
 Date Received: 08/10/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8151A
 Analytical Date: 08/15/22 10:31
 Analyst: AKM
 Percent Solids: 86%
 TCLP/SPLP Ext. Date: 08/12/22 17:15
 Methylation Date: 08/15/22 00:33

Extraction Method: EPA 8151A
 Extraction Date: 08/14/22 13:55

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Herbicides by EPA 1311 - Westborough Lab							
2,4-D	ND		mg/l	0.025	--	1	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	79		30-150	A
DCAA	70		30-150	B

Project Name: TROY MGP FORMER MGP SITE**Lab Number:** L2243200**Project Number:** TROY FORMER MGP SI**Report Date:** 08/17/22**SAMPLE RESULTS**

Lab ID: L2243200-02
 Client ID: AREA 2 ISS SWELL 10
 Sample Location: 8000 MAIN STREET, TROY, NY, 12180

Date Collected: 08/10/22 11:30
 Date Received: 08/10/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 08/14/22 12:14
 Analyst: MMG
 Percent Solids: 73%
 TCLP/SPLP Ext. Date: 08/12/22 17:15

Extraction Method: EPA 3510C
 Extraction Date: 08/13/22 21:06

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Pesticides by EPA 1311 - Westborough Lab							
Lindane	ND		ug/l	0.100	--	1	A
Heptachlor	ND		ug/l	0.100	--	1	A
Heptachlor epoxide	ND		ug/l	0.100	--	1	A
Endrin	ND		ug/l	0.200	--	1	A
Methoxychlor	ND		ug/l	1.00	--	1	A
Toxaphene	ND		ug/l	1.00	--	1	A
Chlordane	ND		ug/l	1.00	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	95		30-150	A
Decachlorobiphenyl	109		30-150	A
2,4,5,6-Tetrachloro-m-xylene	98		30-150	B
Decachlorobiphenyl	107		30-150	B

Project Name: TROY MGP FORMER MGP SITE**Lab Number:** L2243200**Project Number:** TROY FORMER MGP SI**Report Date:** 08/17/22**SAMPLE RESULTS**

Lab ID: L2243200-02
 Client ID: AREA 2 ISS SWELL 10
 Sample Location: 8000 MAIN STREET, TROY, NY, 12180

Date Collected: 08/10/22 11:30
 Date Received: 08/10/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8151A
 Analytical Date: 08/15/22 10:49
 Analyst: AKM
 Percent Solids: 73%
 TCLP/SPLP Ext. Date: 08/12/22 17:15
 Methylation Date: 08/15/22 00:33

Extraction Method: EPA 8151A
 Extraction Date: 08/14/22 13:55

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Herbicides by EPA 1311 - Westborough Lab							
2,4-D	ND		mg/l	0.025	--	1	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	62		30-150	A
DCAA	54		30-150	B

Project Name: TROY MGP FORMER MGP SITE**Lab Number:** L2243200**Project Number:** TROY FORMER MGP SITE**Report Date:** 08/17/22

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 08/14/22 11:30
 Analyst: MMG
 TCLP/SPLP Extraction Date: 08/12/22 17:15

Extraction Method: EPA 3510C
 Extraction Date: 08/13/22 21:06

Parameter	Result	Qualifier	Units	RL	MDL	Column
TCLP Pesticides by EPA 1311 - Westborough Lab for sample(s): 01-02 Batch: WG1674977-1						
Lindane	ND		ug/l	0.100	--	A
Heptachlor	ND		ug/l	0.100	--	A
Heptachlor epoxide	ND		ug/l	0.100	--	A
Endrin	ND		ug/l	0.200	--	A
Methoxychlor	ND		ug/l	1.00	--	A
Toxaphene	ND		ug/l	1.00	--	A
Chlordane	ND		ug/l	1.00	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	94		30-150	A
Decachlorobiphenyl	105		30-150	A
2,4,5,6-Tetrachloro-m-xylene	96		30-150	B
Decachlorobiphenyl	104		30-150	B

Project Name: TROY MGP FORMER MGP SITE

Lab Number: L2243200

Project Number: TROY FORMER MGP SITE

Report Date: 08/17/22

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8151A
 Analytical Date: 08/15/22 09:36
 Analyst: AKM
 TCLP/SPLP Extraction Date: 08/12/22 17:15
 Methylation Date: 08/15/22 00:33

Extraction Method: EPA 8151A
 Extraction Date: 08/14/22 13:55

Parameter	Result	Qualifier	Units	RL	MDL	Column
TCLP Herbicides by EPA 1311 - Westborough Lab for sample(s): 01-02 Batch: WG1675113-1						
2,4-D	ND		mg/l	0.025	--	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	102		30-150	A
DCAA	101		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: TROY MGP FORMER MGP SITE

Lab Number: L2243200

Project Number: TROY FORMER MGP SITE

Report Date: 08/17/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
TCLP Pesticides by EPA 1311 - Westborough Lab Associated sample(s): 01-02 Batch: WG1674977-2 WG1674977-3									
Lindane	110		100		30-150	10		20	A
Heptachlor	106		99		30-150	7		20	A
Heptachlor epoxide	110		100		30-150	10		20	A
Endrin	116		104		30-150	11		20	A
Methoxychlor	114		104		30-150	9		20	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	104		92		30-150	A
Decachlorobiphenyl	117		103		30-150	A
2,4,5,6-Tetrachloro-m-xylene	104		93		30-150	B
Decachlorobiphenyl	119		103		30-150	B

Lab Control Sample Analysis**Batch Quality Control****Project Name:** TROY MGP FORMER MGP SITE**Lab Number:** L2243200**Project Number:** TROY FORMER MGP SITE**Report Date:** 08/17/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
TCLP Herbicides by EPA 1311 - Westborough Lab Associated sample(s): 01-02 Batch: WG1675113-2 WG1675113-3									
2,4-D	94		116		30-150	21		25	A
2,4,5-TP (Silvex)	50		58		30-150	15		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	65		82		30-150	A
DCAA	54		59		30-150	B

METALS

Project Name: TROY MGP FORMER MGP SITE**Lab Number:** L2243200**Project Number:** TROY FORMER MGP SITE**Report Date:** 08/17/22**SAMPLE RESULTS**

Lab ID: L2243200-01

Date Collected: 08/10/22 11:00

Client ID: AREA 2 ISS SWELL 9

Date Received: 08/10/22

Sample Location: 8000 MAIN STREET, TROY, NY, 12180

Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 08/12/22 17:15

Matrix: Soil

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	--	1	08/15/22 09:00	08/15/22 12:47	EPA 3015	1,6010D	ZK
Barium, TCLP	0.541		mg/l	0.500	--	1	08/15/22 09:00	08/15/22 12:47	EPA 3015	1,6010D	ZK
Cadmium, TCLP	ND		mg/l	0.100	--	1	08/15/22 09:00	08/15/22 12:47	EPA 3015	1,6010D	ZK
Chromium, TCLP	ND		mg/l	0.200	--	1	08/15/22 09:00	08/15/22 12:47	EPA 3015	1,6010D	ZK
Lead, TCLP	ND		mg/l	0.500	--	1	08/15/22 09:00	08/15/22 12:47	EPA 3015	1,6010D	ZK
Mercury, TCLP	ND		mg/l	0.0010	--	1	08/16/22 16:33	08/16/22 21:02	EPA 7470A	1,7470A	DMB
Selenium, TCLP	ND		mg/l	0.500	--	1	08/15/22 09:00	08/15/22 12:47	EPA 3015	1,6010D	ZK
Silver, TCLP	ND		mg/l	0.100	--	1	08/15/22 09:00	08/15/22 12:47	EPA 3015	1,6010D	ZK



Project Name: TROY MGP FORMER MGP SITE**Lab Number:** L2243200**Project Number:** TROY FORMER MGP SITE**Report Date:** 08/17/22**SAMPLE RESULTS**

Lab ID: L2243200-02

Date Collected: 08/10/22 11:30

Client ID: AREA 2 ISS SWELL 10

Date Received: 08/10/22

Sample Location: 8000 MAIN STREET, TROY, NY, 12180

Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 08/12/22 17:15

Matrix: Soil

Percent Solids: 73%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	--	1	08/15/22 09:00	08/15/22 13:48	EPA 3015	1,6010D	ZK
Barium, TCLP	ND		mg/l	0.500	--	1	08/15/22 09:00	08/15/22 13:48	EPA 3015	1,6010D	ZK
Cadmium, TCLP	ND		mg/l	0.100	--	1	08/15/22 09:00	08/15/22 13:48	EPA 3015	1,6010D	ZK
Chromium, TCLP	ND		mg/l	0.200	--	1	08/15/22 09:00	08/15/22 13:48	EPA 3015	1,6010D	ZK
Lead, TCLP	ND		mg/l	0.500	--	1	08/15/22 09:00	08/15/22 13:48	EPA 3015	1,6010D	ZK
Mercury, TCLP	ND		mg/l	0.0010	--	1	08/16/22 16:33	08/16/22 21:05	EPA 7470A	1,7470A	DMB
Selenium, TCLP	ND		mg/l	0.500	--	1	08/15/22 09:00	08/15/22 13:48	EPA 3015	1,6010D	ZK
Silver, TCLP	ND		mg/l	0.100	--	1	08/15/22 09:00	08/15/22 13:48	EPA 3015	1,6010D	ZK



Project Name: TROY MGP FORMER MGP SITE

Lab Number: L2243200

Project Number: TROY FORMER MGP SITE

Report Date: 08/17/22

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01-02 Batch: WG1675016-1										
Arsenic, TCLP	ND		mg/l	1.00	--	1	08/15/22 09:00	08/15/22 12:21	1,6010D	ZK
Barium, TCLP	ND		mg/l	0.500	--	1	08/15/22 09:00	08/15/22 12:21	1,6010D	ZK
Cadmium, TCLP	ND		mg/l	0.100	--	1	08/15/22 09:00	08/15/22 12:21	1,6010D	ZK
Chromium, TCLP	ND		mg/l	0.200	--	1	08/15/22 09:00	08/15/22 12:21	1,6010D	ZK
Lead, TCLP	ND		mg/l	0.500	--	1	08/15/22 09:00	08/15/22 12:21	1,6010D	ZK
Selenium, TCLP	ND		mg/l	0.500	--	1	08/15/22 09:00	08/15/22 12:21	1,6010D	ZK
Silver, TCLP	ND		mg/l	0.100	--	1	08/15/22 09:00	08/15/22 12:21	1,6010D	ZK

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 08/12/22 17:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01-02 Batch: WG1675915-1										
Mercury, TCLP	ND		mg/l	0.0010	--	1	08/16/22 16:33	08/16/22 20:35	1,7470A	DMB

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 08/11/22 05:26

Lab Control Sample Analysis

Batch Quality Control

Project Name: TROY MGP FORMER MGP SITE

Lab Number: L2243200

Project Number: TROY FORMER MGP SITE

Report Date: 08/17/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-02 Batch: WG1675016-2								
Arsenic, TCLP	106		-		75-125	-		20
Barium, TCLP	106		-		75-125	-		20
Cadmium, TCLP	106		-		75-125	-		20
Chromium, TCLP	106		-		75-125	-		20
Lead, TCLP	100		-		75-125	-		20
Selenium, TCLP	99		-		75-125	-		20
Silver, TCLP	99		-		75-125	-		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-02 Batch: WG1675915-2								
Mercury, TCLP	106		-		80-120	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: TROY MGP FORMER MGP SITE
Project Number: TROY FORMER MGP SITE

Lab Number: L2243200
Report Date: 08/17/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Qual	MSD Found	MSD %Recovery	MSD Qual	Recovery Limits	RPD Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1675016-3 QC Sample: L2243200-01 Client ID: AREA 2 ISS SWELL 9											
Arsenic, TCLP	ND	1.2	1.30	108		-	-		75-125	-	20
Barium, TCLP	0.541	20	21.6	105		-	-		75-125	-	20
Cadmium, TCLP	ND	0.53	0.552	104		-	-		75-125	-	20
Chromium, TCLP	ND	2	2.06	103		-	-		75-125	-	20
Lead, TCLP	ND	5.3	5.24	99		-	-		75-125	-	20
Selenium, TCLP	ND	1.2	1.20	100		-	-		75-125	-	20
Silver, TCLP	ND	0.5	0.489	98		-	-		75-125	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1675915-3 QC Sample: L2243090-06 Client ID: MS Sample											
Mercury, TCLP	ND	0.025	0.0252	101		-	-		80-120	-	20

Lab Duplicate Analysis *Batch Quality Control*

Project Name: TROY MGP FORMER MGP SITE
Project Number: TROY FORMER MGP SITE

Lab Number: L2243200
Report Date: 08/17/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1675016-4 QC Sample: L2243200-01 Client ID: AREA 2 ISS SWELL 9						
Arsenic, TCLP	ND	ND	mg/l	NC		20
Barium, TCLP	0.541	0.525	mg/l	3		20
Cadmium, TCLP	ND	ND	mg/l	NC		20
Chromium, TCLP	ND	ND	mg/l	NC		20
Lead, TCLP	ND	ND	mg/l	NC		20
Selenium, TCLP	ND	ND	mg/l	NC		20
Silver, TCLP	ND	ND	mg/l	NC		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1675915-4 QC Sample: L2243090-06 Client ID: DUP Sample						
Mercury, TCLP	ND	ND	mg/l	NC		20

INORGANICS & MISCELLANEOUS

Project Name: TROY MGP FORMER MGP SITE**Lab Number:** L2243200**Project Number:** TROY FORMER MGP SITE**Report Date:** 08/17/22**SAMPLE RESULTS****Lab ID:** L2243200-01**Date Collected:** 08/10/22 11:00**Client ID:** AREA 2 ISS SWELL 9**Date Received:** 08/10/22**Sample Location:** 8000 MAIN STREET, TROY, NY, 12180**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil**Test Material Information****Source of Material:** Unknown**Description of Material:** Non-Metallic - Dry Soil**Particle Size:** Fine**Preliminary Burning Time (sec):** 120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	08/11/22 15:49	1,1030	MD



Project Name: TROY MGP FORMER MGP SITE**Lab Number:** L2243200**Project Number:** TROY FORMER MGP SITE**Report Date:** 08/17/22**SAMPLE RESULTS****Lab ID:** L2243200-02**Date Collected:** 08/10/22 11:30**Client ID:** AREA 2 ISS SWELL 10**Date Received:** 08/10/22**Sample Location:** 8000 MAIN STREET, TROY, NY, 12180**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil**Test Material Information****Source of Material:** Unknown**Description of Material:** Non-Metallic - Dry Soil**Particle Size:** Fine**Preliminary Burning Time (sec):** 120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	08/11/22 15:49	1,1030	MD



Project Name: TROY MGP FORMER MGP SITE**Lab Number:** L2243200**Project Number:** TROY FORMER MGP SITE**Report Date:** 08/17/22**SAMPLE RESULTS****Lab ID:** L2243200-01**Date Collected:** 08/10/22 11:00**Client ID:** AREA 2 ISS SWELL 9**Date Received:** 08/10/22**Sample Location:** 8000 MAIN STREET, TROY, NY, 12180**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.9		%	0.100	NA	1	-	08/11/22 10:20	121,2540G	RI
pH (H)	12.1		SU	-	NA	1	-	08/11/22 18:16	1,9045D	AS
Cyanide, Reactive	ND		mg/kg	10	--	1	08/11/22 16:45	08/11/22 21:17	125,7.3	RM
Sulfide, Reactive	ND		mg/kg	10	--	1	08/11/22 16:45	08/11/22 20:45	125,7.3	RM
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	08/12/22 17:21	1,9095B	AS



Project Name: TROY MGP FORMER MGP SITE**Lab Number:** L2243200**Project Number:** TROY FORMER MGP SITE**Report Date:** 08/17/22**SAMPLE RESULTS****Lab ID:** L2243200-02**Date Collected:** 08/10/22 11:30**Client ID:** AREA 2 ISS SWELL 10**Date Received:** 08/10/22**Sample Location:** 8000 MAIN STREET, TROY, NY, 12180**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	73.3		%	0.100	NA	1	-	08/11/22 10:20	121,2540G	RI
pH (H)	11.7		SU	-	NA	1	-	08/11/22 18:16	1,9045D	AS
Cyanide, Reactive	ND		mg/kg	10	--	1	08/11/22 16:45	08/11/22 21:17	125,7.3	RM
Sulfide, Reactive	17		mg/kg	10	--	1	08/11/22 16:45	08/11/22 20:45	125,7.3	RM
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	08/12/22 17:21	1,9095B	AS



Project Name: TROY MGP FORMER MGP SITE**Lab Number:** L2243200**Project Number:** TROY FORMER MGP SITE**Report Date:** 08/17/22**Method Blank Analysis**
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG1674034-1										
Sulfide, Reactive	ND		mg/kg	10	--	1	08/11/22 16:45	08/11/22 20:36	125,7.3	RM
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG1674245-1										
Cyanide, Reactive	ND		mg/kg	10	--	1	08/11/22 16:45	08/11/22 21:02	125,7.3	RM

Lab Control Sample Analysis**Batch Quality Control****Project Name:** TROY MGP FORMER MGP SITE**Lab Number:** L2243200**Project Number:** TROY FORMER MGP SITE**Report Date:** 08/17/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG1674034-2								
Sulfide, Reactive	107		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG1674245-2								
Cyanide, Reactive	76		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG1674246-1								
pH	100		-		99-101	-		

Project Name: TROY MGP FORMER MGP SITE
Project Number: TROY FORMER MGP SITE

Lab Duplicate Analysis
Batch Quality Control

Lab Number: L2243200
Report Date: 08/17/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1673935-1 QC Sample: L2243207-01 Client ID: DUP Sample						
Solids, Total	89.1	89.5	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1674034-3 QC Sample: L2243182-04 Client ID: DUP Sample						
Sulfide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1674245-3 QC Sample: L2243182-04 Client ID: DUP Sample						
Cyanide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1674246-2 QC Sample: L2241456-05 Client ID: DUP Sample						
pH	7.8	7.8	SU	0		5

Project Name: TROY MGP FORMER MGP SITE**Lab Number:** L2243200**Project Number:** TROY FORMER MGP SITE**Report Date:** 08/17/22**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2243200-01A	Plastic 2oz unpreserved for TS	A	NA		2.4	Y	Absent		TS(7)
L2243200-01B	Vial Large Septa unpreserved (4oz)	A	NA		2.4	Y	Absent		TCLP-EXT-ZHE(14)
L2243200-01C	Glass 120ml/4oz unpreserved	A	NA		2.4	Y	Absent		REACTS(14),IGNIT-1030(14),PH-9045(1),PAINTF(),NYTCL-8082-PPM(365),REACTCN(14)
L2243200-01D	Glass 500ml/16oz unpreserved	A	NA		2.4	Y	Absent		REACTS(14),IGNIT-1030(14),PH-9045(1),PAINTF(),NYTCL-8082-PPM(365),REACTCN(14)
L2243200-01W	Amber 1000ml unpreserved Extracts	A	NA		2.4	Y	Absent		TCLP-8270(14),HERB-TCLP*(14),PEST-TCLP*(14)
L2243200-01X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.4	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L2243200-01X9	Tumble Vessel	A	NA		2.4	Y	Absent		-
L2243200-01Y	Vial unpreserved Extracts	A	NA		2.4	Y	Absent		TCLP-VOA(14)
L2243200-01Z	Vial unpreserved Extracts	A	NA		2.4	Y	Absent		TCLP-VOA(14)
L2243200-02A	Plastic 2oz unpreserved for TS	A	NA		2.4	Y	Absent		TS(7)
L2243200-02B	Vial Large Septa unpreserved (4oz)	A	NA		2.4	Y	Absent		TCLP-EXT-ZHE(14)
L2243200-02C	Glass 120ml/4oz unpreserved	A	NA		2.4	Y	Absent		IGNIT-1030(14),REACTS(14),PH-9045(1),PAINTF(),NYTCL-8082-PPM(365),REACTCN(14)
L2243200-02D	Glass 500ml/16oz unpreserved	A	NA		2.4	Y	Absent		IGNIT-1030(14),REACTS(14),PH-9045(1),PAINTF(),NYTCL-8082-PPM(365),REACTCN(14)
L2243200-02W	Amber 1000ml unpreserved Extracts	A	NA		2.4	Y	Absent		TCLP-8270(14),PEST-TCLP*(14),HERB-TCLP*(14)
L2243200-02X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.4	Y	Absent		CD-CI(180),BA-CI(180),AS-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L2243200-02X9	Tumble Vessel	A	NA		2.4	Y	Absent		-
L2243200-02Y	Vial unpreserved Extracts	A	NA		2.4	Y	Absent		TCLP-VOA(14)

Project Name: TROY MGP FORMER MGP SITE
Project Number: TROY FORMER MGP SITE

Serial_No:08172209:53
Lab Number: L2243200
Report Date: 08/17/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2243200-02Z	Vial unpreserved Extracts	A	NA		2.4	Y	Absent		TCLP-VOA(14)

Project Name: TROY MGP FORMER MGP SITE**Lab Number:** L2243200**Project Number:** TROY FORMER MGP SITE**Report Date:** 08/17/22

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: Data Usability Report

Project Name: TROY MGP FORMER MGP SITE
Project Number: TROY FORMER MGP SITE

Lab Number: L2243200
Report Date: 08/17/22

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

Report Format: Data Usability Report



Project Name: TROY MGP FORMER MGP SITE
Project Number: TROY FORMER MGP SITE

Lab Number: L2243200
Report Date: 08/17/22

Data Qualifiers

- ND** - Not detected at the reporting limit (RL) for the sample.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: TROY MGP FORMER MGP SITE
Project Number: TROY FORMER MGP SITE

Lab Number: L2243200
Report Date: 08/17/22

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.
- 125 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates IIIA, April 1998.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility

EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene

EPA 625/625.1: alpha-Terpineol

EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

EPA 8270D/8270E: NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.

Mansfield Facility

SM 2540D: TSS

EPA 8082A: NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water

EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B

EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,**

SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.

EPA 624.1: Volatile Halocarbons & Aromatics,

EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water

EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.**

EPA 522, EPA 537.1.

Non-Potable Water

EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

EPA 245.1 Hg.

SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

 NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193 Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3268		Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105		Page 1 of		Date Rec'd in Lab 8/11/22		ALPHA Job # 62243200					
		Project Information Project Name: Troy MGP Former MGP Site Project Location: 8000 Main Street, Troy, NY, 12180 Project # _____ (Use Project name as Project #) ☒		Deliverables ☐ ASP-A ☐ ASP-B ☐ EQuIS (1 File) ☐ EQuIS (4 File) ☐ Other		Billing Information ☐ Same as Client Info PO # _____							
Client Information Client: LAND Remediation Address: 74 Hudson River Road, Waterford, NY 12188 Phone: 203.233.4100 Fax: _____ Email: jlb@land-remediation.com		Project Manager: Jonathan Borrelli ALPHAQuote #: _____ Turn-Around Time Standard ☐ Due Date: _____ Rush (only if pre approved) ☐ # of Days: 3 Day		Regulatory Requirement ☐ NY TOGS ☐ NY Part 375 ☐ AWQ Standards ☐ NY CP-51 ☐ NY Restricted Use ☐ Other ☐ NY Unrestricted Use ☐ NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: ☐ NJ ☒ NY ☐ Other: _____							
These samples have been previously analyzed by Alpha ☐ Other project specific requirements/comments: ONLY REPORT MAXIMUM TCL PCBs QUANTITY TO 1 PPM. Please specify Metals or TAL.						ANALYSIS Total Solids - SM 2540 TCLP Complete Analysis Hazardous Waste Characterization Paint Filter Test TCL PCBs - EPA 8082A		Sample Filtration ☐ Done ☐ Lab to do Preservation ☐ Lab to do (Please Specify below)					
ALPHA Lab ID (Lab Use Only)		Sample ID		Collection Date Time		Sample Matrix		Sampler's Initials		Total Solids - SM 2540 TCLP Complete Analysis Hazardous Waste Characterization Paint Filter Test TCL PCBs - EPA 8082A		Sample Specific Comments	
43200-01		Area 2 ISS Swell 9		8.10.2022 11:00		Soil		JC		X		X	
02		Area 2 ISS Swell 10		8.10.2022 11:30		Soil		JC		X		X	
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other		Container Code P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type Preservative		P G G G G		Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS .			
Form No: 01-25 (rev. 30-Sept-2013)		Relinquished By: Jon Castle Locker ALB Cabin K...		Date/Time 8/10/22 / 8/10/22 1837 8/10/22 1837		Received By: Locker ALB Cabin K... ✓		Date/Time 8/10/22 1837 8/10/22 1837 8/11/22 0010					



ANALYTICAL REPORT

Lab Number:	L2244347
Client:	Land Remediation, Inc. 74 Hudson River Road Waterford, NY 12188
ATTN:	Jonathan Borrelli
Phone:	(203) 233-4100
Project Name:	TROY MGP FORMER MGP SITE
Project Number:	TROY FORMER MGP SITE
Report Date:	08/19/22

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: TROY MGP FORMER MGP SITE
Project Number: TROY FORMER MGP SITE

Lab Number: L2244347
Report Date: 08/19/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2244347-01	AREA 2 TAR BLEND 1	SOIL	8000 MAIN STREET, TROY, NY, 12180	08/12/22 13:00	08/12/22
L2244347-02	AREA 2 TAR BLEND 2	SOIL	8000 MAIN STREET, TROY, NY, 12180	08/12/22 13:30	08/12/22

Project Name: TROY MGP FORMER MGP SITE
Project Number: TROY FORMER MGP SITE

Lab Number: L2244347
Report Date: 08/19/22

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: TROY MGP FORMER MGP SITE**Lab Number:** L2244347**Project Number:** TROY FORMER MGP SITE**Report Date:** 08/19/22**Case Narrative (continued)**

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Caitlin Walukevich

Title: Technical Director/Representative

Date: 08/19/22

METALS

Project Name: TROY MGP FORMER MGP SITE**Lab Number:** L2244347**Project Number:** TROY FORMER MGP SITE**Report Date:** 08/19/22**SAMPLE RESULTS**

Lab ID: L2244347-01

Date Collected: 08/12/22 13:00

Client ID: AREA 2 TAR BLEND 1

Date Received: 08/12/22

Sample Location: 8000 MAIN STREET, TROY, NY, 12180

Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 08/18/22 05:33

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	ND		mg/l	0.500	0.027	1	08/19/22 08:36	08/19/22 12:07	EPA 3015	1,6010D	NB



Project Name: TROY MGP FORMER MGP SITE**Lab Number:** L2244347**Project Number:** TROY FORMER MGP SITE**Report Date:** 08/19/22**SAMPLE RESULTS**

Lab ID: L2244347-02

Date Collected: 08/12/22 13:30

Client ID: AREA 2 TAR BLEND 2

Date Received: 08/12/22

Sample Location: 8000 MAIN STREET, TROY, NY, 12180

Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 08/18/22 05:33

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	ND		mg/l	0.500	0.027	1	08/19/22 08:36	08/19/22 12:11	EPA 3015	1,6010D	NB



Project Name: TROY MGP FORMER MGP SITE

Lab Number: L2244347

Project Number: TROY FORMER MGP SITE

Report Date: 08/19/22

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01-02 Batch: WG1677119-1										
Lead, TCLP	ND		mg/l	0.500	0.027	1	08/19/22 08:36	08/19/22 11:12	1,6010D	NB

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 08/17/22 18:42

Lab Control Sample Analysis
Batch Quality Control**Project Name:** TROY MGP FORMER MGP SITE**Project Number:** TROY FORMER MGP SITE**Lab Number:** L2244347**Report Date:** 08/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-02 Batch: WG1677119-2								
Lead, TCLP	90		-		75-125	-		20

Matrix Spike Analysis Batch Quality Control

Project Name: TROY MGP FORMER MGP SITE

Lab Number: L2244347

Project Number: TROY FORMER MGP SITE

Report Date: 08/19/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1677119-3 QC Sample: L2244393-01 Client ID: MS Sample												
Lead, TCLP	ND	5.3	4.87	92		-	-		75-125	-		20

Lab Duplicate Analysis*Batch Quality Control***Project Name:** TROY MGP FORMER MGP SITE**Project Number:** TROY FORMER MGP SITE**Lab Number:** L2244347**Report Date:** 08/19/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1677119-4 QC Sample: L2244393-01 Client ID: DUP Sample						
Lead, TCLP	ND	ND	mg/l	NC		20

Project Name: TROY MGP FORMER MGP SITE**Lab Number:** L2244347**Project Number:** TROY FORMER MGP SITE**Report Date:** 08/19/22**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information**Cooler** **Custody Seal**

A Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2244347-01A	Glass 250ml/8oz unpreserved	A	NA		3.5	Y	Absent		-
L2244347-01X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.5	Y	Absent		PB-CI(180)
L2244347-01X9	Tumble Vessel	A	NA		3.5	Y	Absent		-
L2244347-02A	Glass 250ml/8oz unpreserved	A	NA		3.5	Y	Absent		-
L2244347-02X	Plastic 120ml HNO3 preserved Extracts	NA	NA			Y	Absent		PB-CI(180)
L2244347-02X9	Tumble Vessel	NA	NA			Y	Absent		-

Project Name: TROY MGP FORMER MGP SITE**Lab Number:** L2244347**Project Number:** TROY FORMER MGP SITE**Report Date:** 08/19/22

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name: TROY MGP FORMER MGP SITE
Project Number: TROY FORMER MGP SITE

Lab Number: L2244347
Report Date: 08/19/22

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers



Project Name: TROY MGP FORMER MGP SITE
Project Number: TROY FORMER MGP SITE

Lab Number: L2244347
Report Date: 08/19/22

Data Qualifiers

Identified Compounds (TICs).

- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: DU Report with 'J' Qualifiers



Project Name: TROY MGP FORMER MGP SITE
Project Number: TROY FORMER MGP SITE

Lab Number: L2244347
Report Date: 08/19/22

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility

EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene

EPA 625/625.1: alpha-Terpineol

EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

EPA 8270D/8270E: NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.

Mansfield Facility

SM 2540D: TSS

EPA 8082A: NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water

EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B

EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.

EPA 624.1: Volatile Halocarbons & Aromatics,

EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water

EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.**

EPA 522, EPA 537.1.

Non-Potable Water

EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

EPA 245.1 Hg.

SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

81.7/22



ANALYTICAL REPORT

Lab Number:	L2243780
Client:	Land Remediation, Inc. 74 Hudson River Road Waterford, NY 12188
ATTN:	Jonathan Borrelli
Phone:	(203) 233-4100
Project Name:	TROY MGP FORMER MGP SITE
Project Number:	TROY FORMER MGP SITE
Report Date:	08/16/22

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: TROY MGP FORMER MGP SITE
Project Number: TROY FORMER MGP SITE

Lab Number: L2243780
Report Date: 08/16/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2243780-01	AREA 2 TAR BLEND 1	SOIL	8000 MAIN STREET, TROY, NY, 12180	08/12/22 13:00	08/12/22
L2243780-02	AREA 2 TAR BLEND 2	SOIL	8000 MAIN STREET, TROY, NY, 12180	08/12/22 13:30	08/12/22

Project Name: TROY MGP FORMER MGP SITE
Project Number: TROY FORMER MGP SITE

Lab Number: L2243780
Report Date: 08/16/22

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: TROY MGP FORMER MGP SITE
Project Number: TROY FORMER MGP SITE

Lab Number: L2243780
Report Date: 08/16/22

Case Narrative (continued)

The analyses of BTU and Sulfur were subcontracted. A copy of the laboratory report is included as an addendum. Please note: This data is only available in PDF format and is not available on Data Merger.

Volatile Organics

L2243780-01 and -02: The analysis of Volatile Organics by EPA Method 5035/8260 Low Level could not be performed due to the elevated concentrations of non-target compounds in the sample.

Semivolatile Organics

L2243780-01D: The sample has elevated detection limits due to the limited sample volume utilized during extraction, as required by the sample matrix, and due to the analytical dilution required by the sample matrix.

L2243780-02D: The sample has elevated detection limits due to the limited sample volume utilized during extraction, as required by the sample matrix.

L2243780-01D and -02D: The surrogate recoveries are below the acceptance criteria for 2-fluorophenol (0%), phenol-d6 (0%), nitrobenzene-d5 (0%), 2-fluorobiphenyl (0%), 2,4,6-tribromophenol (0%) and 4-terphenyl-d14 (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

Total Metals

L2243780-01 and -02: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

The WG1675033-4 Laboratory Duplicate RPD for mercury (22%), performed on L2243780-01, is outside the acceptance criteria. The elevated RPD has been attributed to the non-homogeneous nature of the native sample.

Cyanide, Total

The WG1675122-2 LCS recovery for cyanide, total (43%), associated with L2243780-01 and -02, is outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original

Project Name: TROY MGP FORMER MGP SITE**Lab Number:** L2243780**Project Number:** TROY FORMER MGP SITE**Report Date:** 08/16/22**Case Narrative (continued)**

analyses are reported. The LCS/LCSD RPD is above the acceptance criteria for cyanide, total (49%).

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: *Tiffani Morrissey* - Tiffani Morrissey

Title: Technical Director/Representative

Date: 08/16/22

ORGANICS

VOLATILES

Project Name: TROY MGP FORMER MGP SITE**Lab Number:** L2243780**Project Number:** TROY FORMER MGP SI**Report Date:** 08/16/22**SAMPLE RESULTS**

Lab ID: L2243780-01
 Client ID: AREA 2 TAR BLEND 1
 Sample Location: 8000 MAIN STREET, TROY, NY, 12180

Date Collected: 08/12/22 13:00
 Date Received: 08/12/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 08/15/22 13:13
 Analyst: MV
 Percent Solids: 89%
 TCLP/SPLP Ext. Date: 08/13/22 13:13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

TCLP Volatiles by EPA 1311 - Westborough Lab

Benzene	9.6		ug/l	5.0	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	112		70-130

Project Name: TROY MGP FORMER MGP SITE**Lab Number:** L2243780**Project Number:** TROY FORMER MGP SI**Report Date:** 08/16/22**SAMPLE RESULTS**

Lab ID: L2243780-01
 Client ID: AREA 2 TAR BLEND 1
 Sample Location: 8000 MAIN STREET, TROY, NY, 12180

Date Collected: 08/12/22 13:00
 Date Received: 08/12/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 08/16/22 11:20
 Analyst: MKS
 Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	360	--	1
1,1-Dichloroethane	ND		ug/kg	71	--	1
Chloroform	ND		ug/kg	110	--	1
Carbon tetrachloride	ND		ug/kg	71	--	1
1,2-Dichloropropane	ND		ug/kg	71	--	1
Dibromochloromethane	ND		ug/kg	71	--	1
1,1,2-Trichloroethane	ND		ug/kg	71	--	1
Tetrachloroethene	ND		ug/kg	36	--	1
Chlorobenzene	ND		ug/kg	36	--	1
Trichlorofluoromethane	ND		ug/kg	280	--	1
1,2-Dichloroethane	ND		ug/kg	71	--	1
1,1,1-Trichloroethane	ND		ug/kg	36	--	1
Bromodichloromethane	ND		ug/kg	36	--	1
trans-1,3-Dichloropropene	ND		ug/kg	71	--	1
cis-1,3-Dichloropropene	ND		ug/kg	36	--	1
Bromoform	ND		ug/kg	280	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	36	--	1
Benzene	1500		ug/kg	36	--	1
Toluene	1300		ug/kg	71	--	1
Ethylbenzene	78		ug/kg	71	--	1
Chloromethane	ND		ug/kg	280	--	1
Bromomethane	ND		ug/kg	140	--	1
Vinyl chloride	ND		ug/kg	71	--	1
Chloroethane	ND		ug/kg	140	--	1
1,1-Dichloroethene	ND		ug/kg	71	--	1
trans-1,2-Dichloroethene	ND		ug/kg	110	--	1
Trichloroethene	ND		ug/kg	36	--	1
1,2-Dichlorobenzene	ND		ug/kg	140	--	1

Project Name: TROY MGP FORMER MGP SITE**Lab Number:** L2243780**Project Number:** TROY FORMER MGP SI**Report Date:** 08/16/22**SAMPLE RESULTS**

Lab ID: L2243780-01
 Client ID: AREA 2 TAR BLEND 1
 Sample Location: 8000 MAIN STREET, TROY, NY, 12180

Date Collected: 08/12/22 13:00
 Date Received: 08/12/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	140	--	1
1,4-Dichlorobenzene	ND		ug/kg	140	--	1
Methyl tert butyl ether	ND		ug/kg	140	--	1
p/m-Xylene	1300		ug/kg	140	--	1
o-Xylene	400		ug/kg	71	--	1
cis-1,2-Dichloroethene	ND		ug/kg	71	--	1
Styrene	270		ug/kg	71	--	1
Dichlorodifluoromethane	ND		ug/kg	710	--	1
Acetone	ND		ug/kg	710	--	1
Carbon disulfide	ND		ug/kg	710	--	1
2-Butanone	ND		ug/kg	710	--	1
4-Methyl-2-pentanone	ND		ug/kg	710	--	1
2-Hexanone	ND		ug/kg	710	--	1
Bromochloromethane	ND		ug/kg	140	--	1
1,2-Dibromoethane	ND		ug/kg	71	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	210	--	1
Isopropylbenzene	ND		ug/kg	71	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	140	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	140	--	1
Methyl Acetate	670		ug/kg	280	--	1
Cyclohexane	ND		ug/kg	710	--	1
1,4-Dioxane	ND		ug/kg	5700	--	1
Freon-113	ND		ug/kg	280	--	1
Methyl cyclohexane	ND		ug/kg	280	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	96		70-130

Project Name: TROY MGP FORMER MGP SITE**Lab Number:** L2243780**Project Number:** TROY FORMER MGP SI**Report Date:** 08/16/22**SAMPLE RESULTS**

Lab ID: L2243780-02
 Client ID: AREA 2 TAR BLEND 2
 Sample Location: 8000 MAIN STREET, TROY, NY, 12180

Date Collected: 08/12/22 13:30
 Date Received: 08/12/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 08/15/22 13:33
 Analyst: MV
 Percent Solids: 89%
 TCLP/SPLP Ext. Date: 08/13/22 13:13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

TCLP Volatiles by EPA 1311 - Westborough Lab

Benzene	210		ug/l	5.0	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	106		70-130

Project Name: TROY MGP FORMER MGP SITE**Lab Number:** L2243780**Project Number:** TROY FORMER MGP SI**Report Date:** 08/16/22**SAMPLE RESULTS**

Lab ID: L2243780-02
 Client ID: AREA 2 TAR BLEND 2
 Sample Location: 8000 MAIN STREET, TROY, NY, 12180

Date Collected: 08/12/22 13:30
 Date Received: 08/12/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 08/16/22 11:00
 Analyst: MKS
 Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	330	--	1
1,1-Dichloroethane	ND		ug/kg	66	--	1
Chloroform	ND		ug/kg	99	--	1
Carbon tetrachloride	ND		ug/kg	66	--	1
1,2-Dichloropropane	ND		ug/kg	66	--	1
Dibromochloromethane	ND		ug/kg	66	--	1
1,1,2-Trichloroethane	ND		ug/kg	66	--	1
Tetrachloroethene	ND		ug/kg	33	--	1
Chlorobenzene	ND		ug/kg	33	--	1
Trichlorofluoromethane	ND		ug/kg	260	--	1
1,2-Dichloroethane	ND		ug/kg	66	--	1
1,1,1-Trichloroethane	ND		ug/kg	33	--	1
Bromodichloromethane	ND		ug/kg	33	--	1
trans-1,3-Dichloropropene	ND		ug/kg	66	--	1
cis-1,3-Dichloropropene	ND		ug/kg	33	--	1
Bromoform	ND		ug/kg	260	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	33	--	1
Benzene	300		ug/kg	33	--	1
Toluene	280		ug/kg	66	--	1
Ethylbenzene	ND		ug/kg	66	--	1
Chloromethane	ND		ug/kg	260	--	1
Bromomethane	ND		ug/kg	130	--	1
Vinyl chloride	ND		ug/kg	66	--	1
Chloroethane	ND		ug/kg	130	--	1
1,1-Dichloroethene	ND		ug/kg	66	--	1
trans-1,2-Dichloroethene	ND		ug/kg	99	--	1
Trichloroethene	ND		ug/kg	33	--	1
1,2-Dichlorobenzene	ND		ug/kg	130	--	1

Project Name: TROY MGP FORMER MGP SITE**Lab Number:** L2243780**Project Number:** TROY FORMER MGP SI**Report Date:** 08/16/22**SAMPLE RESULTS**

Lab ID: L2243780-02
 Client ID: AREA 2 TAR BLEND 2
 Sample Location: 8000 MAIN STREET, TROY, NY, 12180

Date Collected: 08/12/22 13:30
 Date Received: 08/12/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	130	--	1
1,4-Dichlorobenzene	ND		ug/kg	130	--	1
Methyl tert butyl ether	ND		ug/kg	130	--	1
p/m-Xylene	240		ug/kg	130	--	1
o-Xylene	84		ug/kg	66	--	1
cis-1,2-Dichloroethene	ND		ug/kg	66	--	1
Styrene	73		ug/kg	66	--	1
Dichlorodifluoromethane	ND		ug/kg	660	--	1
Acetone	ND		ug/kg	660	--	1
Carbon disulfide	ND		ug/kg	660	--	1
2-Butanone	ND		ug/kg	660	--	1
4-Methyl-2-pentanone	ND		ug/kg	660	--	1
2-Hexanone	ND		ug/kg	660	--	1
Bromochloromethane	ND		ug/kg	130	--	1
1,2-Dibromoethane	ND		ug/kg	66	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	200	--	1
Isopropylbenzene	ND		ug/kg	66	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	130	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	130	--	1
Methyl Acetate	3200		ug/kg	260	--	1
Cyclohexane	ND		ug/kg	660	--	1
1,4-Dioxane	ND		ug/kg	5300	--	1
Freon-113	ND		ug/kg	260	--	1
Methyl cyclohexane	ND		ug/kg	260	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	97		70-130

Project Name: TROY MGP FORMER MGP SITE**Lab Number:** L2243780**Project Number:** TROY FORMER MGP SITE**Report Date:** 08/16/22**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8260C

Analytical Date: 08/15/22 09:27

Analyst: PD

TCLP/SPLP Extraction Date: 08/13/22 13:13

Extraction Date: 08/13/22 13:13

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Volatiles by EPA 1311 - Westborough Lab for sample(s): 01-02 Batch: WG1675776-5					
Benzene	ND		ug/l	5.0	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	104		70-130

Project Name: TROY MGP FORMER MGP SITE

Lab Number: L2243780

Project Number: TROY FORMER MGP SITE

Report Date: 08/16/22

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/16/22 08:23
 Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01-02 Batch: WG1675824-5					
Methylene chloride	ND		ug/kg	250	--
1,1-Dichloroethane	ND		ug/kg	50	--
Chloroform	ND		ug/kg	75	--
Carbon tetrachloride	ND		ug/kg	50	--
1,2-Dichloropropane	ND		ug/kg	50	--
Dibromochloromethane	ND		ug/kg	50	--
1,1,2-Trichloroethane	ND		ug/kg	50	--
Tetrachloroethene	ND		ug/kg	25	--
Chlorobenzene	ND		ug/kg	25	--
Trichlorofluoromethane	ND		ug/kg	200	--
1,2-Dichloroethane	ND		ug/kg	50	--
1,1,1-Trichloroethane	ND		ug/kg	25	--
Bromodichloromethane	ND		ug/kg	25	--
trans-1,3-Dichloropropene	ND		ug/kg	50	--
cis-1,3-Dichloropropene	ND		ug/kg	25	--
Bromoform	ND		ug/kg	200	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	--
Benzene	ND		ug/kg	25	--
Toluene	ND		ug/kg	50	--
Ethylbenzene	ND		ug/kg	50	--
Chloromethane	ND		ug/kg	200	--
Bromomethane	ND		ug/kg	100	--
Vinyl chloride	ND		ug/kg	50	--
Chloroethane	ND		ug/kg	100	--
1,1-Dichloroethene	ND		ug/kg	50	--
trans-1,2-Dichloroethene	ND		ug/kg	75	--
Trichloroethene	ND		ug/kg	25	--
1,2-Dichlorobenzene	ND		ug/kg	100	--
1,3-Dichlorobenzene	ND		ug/kg	100	--

Project Name: TROY MGP FORMER MGP SITE**Lab Number:** L2243780**Project Number:** TROY FORMER MGP SITE**Report Date:** 08/16/22

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/16/22 08:23
 Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01-02 Batch: WG1675824-5					
1,4-Dichlorobenzene	ND		ug/kg	100	--
Methyl tert butyl ether	ND		ug/kg	100	--
p/m-Xylene	ND		ug/kg	100	--
o-Xylene	ND		ug/kg	50	--
cis-1,2-Dichloroethene	ND		ug/kg	50	--
Styrene	ND		ug/kg	50	--
Dichlorodifluoromethane	ND		ug/kg	500	--
Acetone	ND		ug/kg	500	--
Carbon disulfide	ND		ug/kg	500	--
2-Butanone	ND		ug/kg	500	--
4-Methyl-2-pentanone	ND		ug/kg	500	--
2-Hexanone	ND		ug/kg	500	--
Bromochloromethane	ND		ug/kg	100	--
1,2-Dibromoethane	ND		ug/kg	50	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	--
Isopropylbenzene	ND		ug/kg	50	--
1,2,3-Trichlorobenzene	ND		ug/kg	100	--
1,2,4-Trichlorobenzene	ND		ug/kg	100	--
Methyl Acetate	ND		ug/kg	200	--
Cyclohexane	ND		ug/kg	500	--
1,4-Dioxane	ND		ug/kg	4000	--
Freon-113	ND		ug/kg	200	--
Methyl cyclohexane	ND		ug/kg	200	--

Project Name: TROY MGP FORMER MGP SITE**Lab Number:** L2243780**Project Number:** TROY FORMER MGP SITE**Report Date:** 08/16/22**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 08/16/22 08:23

Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01-02 Batch: WG1675824-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	99		70-130

Lab Control Sample Analysis**Batch Quality Control****Project Name:** TROY MGP FORMER MGP SITE**Lab Number:** L2243780**Project Number:** TROY FORMER MGP SITE**Report Date:** 08/16/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Volatiles by EPA 1311 - Westborough Lab Associated sample(s): 01-02 Batch: WG1675776-3 WG1675776-4								
Benzene	100		110		70-130	10		25

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		107		70-130
Toluene-d8	102		103		70-130
4-Bromofluorobenzene	95		99		70-130
Dibromofluoromethane	103		100		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: TROY MGP FORMER MGP SITE

Lab Number: L2243780

Project Number: TROY FORMER MGP SITE

Report Date: 08/16/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01-02 Batch: WG1675824-3 WG1675824-4								
Methylene chloride	95		92		70-130	3		30
1,1-Dichloroethane	94		91		70-130	3		30
Chloroform	91		88		70-130	3		30
Carbon tetrachloride	89		84		70-130	6		30
1,2-Dichloropropane	95		91		70-130	4		30
Dibromochloromethane	90		87		70-130	3		30
1,1,2-Trichloroethane	97		93		70-130	4		30
Tetrachloroethene	94		90		70-130	4		30
Chlorobenzene	94		90		70-130	4		30
Trichlorofluoromethane	94		86		70-139	9		30
1,2-Dichloroethane	97		94		70-130	3		30
1,1,1-Trichloroethane	94		89		70-130	5		30
Bromodichloromethane	87		85		70-130	2		30
trans-1,3-Dichloropropene	94		92		70-130	2		30
cis-1,3-Dichloropropene	95		92		70-130	3		30
Bromoform	86		85		70-130	1		30
1,1,2,2-Tetrachloroethane	95		92		70-130	3		30
Benzene	93		90		70-130	3		30
Toluene	85		82		70-130	4		30
Ethylbenzene	92		87		70-130	6		30
Chloromethane	106		101		52-130	5		30
Bromomethane	93		90		57-147	3		30
Vinyl chloride	98		92		67-130	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: TROY MGP FORMER MGP SITE

Lab Number: L2243780

Project Number: TROY FORMER MGP SITE

Report Date: 08/16/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01-02 Batch: WG1675824-3 WG1675824-4								
Chloroethane	99		93		50-151	6		30
1,1-Dichloroethene	98		90		65-135	9		30
trans-1,2-Dichloroethene	91		87		70-130	4		30
Trichloroethene	93		90		70-130	3		30
1,2-Dichlorobenzene	92		89		70-130	3		30
1,3-Dichlorobenzene	92		88		70-130	4		30
1,4-Dichlorobenzene	84		82		70-130	2		30
Methyl tert butyl ether	97		95		66-130	2		30
p/m-Xylene	92		88		70-130	4		30
o-Xylene	94		90		70-130	4		30
cis-1,2-Dichloroethene	87		84		70-130	4		30
Styrene	93		90		70-130	3		30
Dichlorodifluoromethane	124		112		30-146	10		30
Acetone	132		120		54-140	10		30
Carbon disulfide	99		90		59-130	10		30
2-Butanone	105		102		70-130	3		30
4-Methyl-2-pentanone	94		91		70-130	3		30
2-Hexanone	93		88		70-130	6		30
Bromochloromethane	93		89		70-130	4		30
1,2-Dibromoethane	94		93		70-130	1		30
1,2-Dibromo-3-chloropropane	87		86		68-130	1		30
Isopropylbenzene	90		87		70-130	3		30
1,2,3-Trichlorobenzene	94		91		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: TROY MGP FORMER MGP SITE

Lab Number: L2243780

Project Number: TROY FORMER MGP SITE

Report Date: 08/16/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01-02 Batch: WG1675824-3 WG1675824-4								
1,2,4-Trichlorobenzene	92		89		70-130	3		30
Methyl Acetate	107		105		51-146	2		30
Cyclohexane	103		97		59-142	6		30
1,4-Dioxane	96		92		65-136	4		30
Freon-113	104		94		50-139	10		30
Methyl cyclohexane	98		92		70-130	6		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	104		105		70-130
Toluene-d8	99		100		70-130
4-Bromofluorobenzene	96		97		70-130
Dibromofluoromethane	99		100		70-130

SEMIVOLATILES

Project Name: TROY MGP FORMER MGP SITE**Lab Number:** L2243780**Project Number:** TROY FORMER MGP SI**Report Date:** 08/16/22**SAMPLE RESULTS**

Lab ID: L2243780-01 D
 Client ID: AREA 2 TAR BLEND 1
 Sample Location: 8000 MAIN STREET, TROY, NY, 12180

Date Collected: 08/12/22 13:00
 Date Received: 08/12/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 08/16/22 14:28
 Analyst: JG
 Percent Solids: 89%

Extraction Method: EPA 3546
 Extraction Date: 08/13/22 18:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	8800	--	20
Hexachlorobenzene	ND		ug/kg	6600	--	20
Bis(2-chloroethyl)ether	ND		ug/kg	9900	--	20
2-Chloronaphthalene	ND		ug/kg	11000	--	20
3,3'-Dichlorobenzidine	ND		ug/kg	11000	--	20
2,4-Dinitrotoluene	ND		ug/kg	11000	--	20
2,6-Dinitrotoluene	ND		ug/kg	11000	--	20
Fluoranthene	120000		ug/kg	6600	--	20
4-Chlorophenyl phenyl ether	ND		ug/kg	11000	--	20
4-Bromophenyl phenyl ether	ND		ug/kg	11000	--	20
Bis(2-chloroisopropyl)ether	ND		ug/kg	13000	--	20
Bis(2-chloroethoxy)methane	ND		ug/kg	12000	--	20
Hexachlorobutadiene	ND		ug/kg	11000	--	20
Hexachlorocyclopentadiene	ND		ug/kg	31000	--	20
Hexachloroethane	ND		ug/kg	8800	--	20
Isophorone	ND		ug/kg	9900	--	20
Naphthalene	180000		ug/kg	11000	--	20
Nitrobenzene	ND		ug/kg	9900	--	20
NDPA/DPA	ND		ug/kg	8800	--	20
n-Nitrosodi-n-propylamine	ND		ug/kg	11000	--	20
Bis(2-ethylhexyl)phthalate	ND		ug/kg	11000	--	20
Butyl benzyl phthalate	ND		ug/kg	11000	--	20
Di-n-butylphthalate	ND		ug/kg	11000	--	20
Di-n-octylphthalate	ND		ug/kg	11000	--	20
Diethyl phthalate	ND		ug/kg	11000	--	20
Dimethyl phthalate	ND		ug/kg	11000	--	20
Benzo(a)anthracene	56000		ug/kg	6600	--	20
Benzo(a)pyrene	43000		ug/kg	8800	--	20

Project Name: TROY MGP FORMER MGP SITE**Lab Number:** L2243780**Project Number:** TROY FORMER MGP SI**Report Date:** 08/16/22**SAMPLE RESULTS**

Lab ID: L2243780-01 D
 Client ID: AREA 2 TAR BLEND 1
 Sample Location: 8000 MAIN STREET, TROY, NY, 12180

Date Collected: 08/12/22 13:00
 Date Received: 08/12/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	50000		ug/kg	6600	--	20
Benzo(k)fluoranthene	20000		ug/kg	6600	--	20
Chrysene	46000		ug/kg	6600	--	20
Acenaphthylene	47000		ug/kg	8800	--	20
Anthracene	62000		ug/kg	6600	--	20
Benzo(ghi)perylene	17000		ug/kg	8800	--	20
Fluorene	74000		ug/kg	11000	--	20
Phenanthrene	180000		ug/kg	6600	--	20
Dibenzo(a,h)anthracene	ND		ug/kg	6600	--	20
Indeno(1,2,3-cd)pyrene	22000		ug/kg	8800	--	20
Pyrene	80000		ug/kg	6600	--	20
Biphenyl	ND		ug/kg	25000	--	20
4-Chloroaniline	ND		ug/kg	11000	--	20
2-Nitroaniline	ND		ug/kg	11000	--	20
3-Nitroaniline	ND		ug/kg	11000	--	20
4-Nitroaniline	ND		ug/kg	11000	--	20
Dibenzofuran	47000		ug/kg	11000	--	20
2-Methylnaphthalene	53000		ug/kg	13000	--	20
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	11000	--	20
Acetophenone	ND		ug/kg	11000	--	20
2,4,6-Trichlorophenol	ND		ug/kg	6600	--	20
p-Chloro-m-cresol	ND		ug/kg	11000	--	20
2-Chlorophenol	ND		ug/kg	11000	--	20
2,4-Dichlorophenol	ND		ug/kg	9900	--	20
2,4-Dimethylphenol	ND		ug/kg	11000	--	20
2-Nitrophenol	ND		ug/kg	24000	--	20
4-Nitrophenol	ND		ug/kg	15000	--	20
2,4-Dinitrophenol	ND		ug/kg	53000	--	20
4,6-Dinitro-o-cresol	ND		ug/kg	28000	--	20
Pentachlorophenol	ND		ug/kg	8800	--	20
Phenol	34000		ug/kg	11000	--	20
2-Methylphenol	ND		ug/kg	11000	--	20
3-Methylphenol/4-Methylphenol	24000		ug/kg	16000	--	20
2,4,5-Trichlorophenol	ND		ug/kg	11000	--	20
Carbazole	29000		ug/kg	11000	--	20
Atrazine	ND		ug/kg	8800	--	20
Benzaldehyde	ND		ug/kg	14000	--	20

Project Name: TROY MGP FORMER MGP SITE**Lab Number:** L2243780**Project Number:** TROY FORMER MGP SI**Report Date:** 08/16/22**SAMPLE RESULTS**

Lab ID: L2243780-01 D
 Client ID: AREA 2 TAR BLEND 1
 Sample Location: 8000 MAIN STREET, TROY, NY, 12180

Date Collected: 08/12/22 13:00
 Date Received: 08/12/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	11000	--	20
2,3,4,6-Tetrachlorophenol	ND		ug/kg	11000	--	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	0	Q	25-120
Phenol-d6	0	Q	10-120
Nitrobenzene-d5	0	Q	23-120
2-Fluorobiphenyl	0	Q	30-120
2,4,6-Tribromophenol	0	Q	10-136
4-Terphenyl-d14	0	Q	18-120

Project Name: TROY MGP FORMER MGP SITE**Lab Number:** L2243780**Project Number:** TROY FORMER MGP SI**Report Date:** 08/16/22**SAMPLE RESULTS**

Lab ID: L2243780-02 D
 Client ID: AREA 2 TAR BLEND 2
 Sample Location: 8000 MAIN STREET, TROY, NY, 12180

Date Collected: 08/12/22 13:30
 Date Received: 08/12/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 08/16/22 14:52
 Analyst: JG
 Percent Solids: 89%

Extraction Method: EPA 3546
 Extraction Date: 08/13/22 18:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	11000		ug/kg	8500	--	20
Hexachlorobenzene	ND		ug/kg	6400	--	20
Bis(2-chloroethyl)ether	ND		ug/kg	9500	--	20
2-Chloronaphthalene	ND		ug/kg	10000	--	20
3,3'-Dichlorobenzidine	ND		ug/kg	10000	--	20
2,4-Dinitrotoluene	ND		ug/kg	10000	--	20
2,6-Dinitrotoluene	ND		ug/kg	10000	--	20
Fluoranthene	230000		ug/kg	6400	--	20
4-Chlorophenyl phenyl ether	ND		ug/kg	10000	--	20
4-Bromophenyl phenyl ether	ND		ug/kg	10000	--	20
Bis(2-chloroisopropyl)ether	ND		ug/kg	13000	--	20
Bis(2-chloroethoxy)methane	ND		ug/kg	11000	--	20
Hexachlorobutadiene	ND		ug/kg	10000	--	20
Hexachlorocyclopentadiene	ND		ug/kg	30000	--	20
Hexachloroethane	ND		ug/kg	8500	--	20
Isophorone	ND		ug/kg	9500	--	20
Naphthalene	210000		ug/kg	10000	--	20
Nitrobenzene	ND		ug/kg	9500	--	20
NDPA/DPA	ND		ug/kg	8500	--	20
n-Nitrosodi-n-propylamine	ND		ug/kg	10000	--	20
Bis(2-ethylhexyl)phthalate	ND		ug/kg	10000	--	20
Butyl benzyl phthalate	ND		ug/kg	10000	--	20
Di-n-butylphthalate	ND		ug/kg	10000	--	20
Di-n-octylphthalate	ND		ug/kg	10000	--	20
Diethyl phthalate	ND		ug/kg	10000	--	20
Dimethyl phthalate	ND		ug/kg	10000	--	20
Benzo(a)anthracene	95000		ug/kg	6400	--	20
Benzo(a)pyrene	77000		ug/kg	8500	--	20

Project Name: TROY MGP FORMER MGP SITE**Lab Number:** L2243780**Project Number:** TROY FORMER MGP SI**Report Date:** 08/16/22**SAMPLE RESULTS**

Lab ID: L2243780-02 D
 Client ID: AREA 2 TAR BLEND 2
 Sample Location: 8000 MAIN STREET, TROY, NY, 12180

Date Collected: 08/12/22 13:30
 Date Received: 08/12/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	91000		ug/kg	6400	--	20
Benzo(k)fluoranthene	26000		ug/kg	6400	--	20
Chrysene	77000		ug/kg	6400	--	20
Acenaphthylene	100000		ug/kg	8500	--	20
Anthracene	110000		ug/kg	6400	--	20
Benzo(ghi)perylene	33000		ug/kg	8500	--	20
Fluorene	110000		ug/kg	10000	--	20
Phenanthrene	340000		ug/kg	6400	--	20
Dibenzo(a,h)anthracene	8000		ug/kg	6400	--	20
Indeno(1,2,3-cd)pyrene	39000		ug/kg	8500	--	20
Pyrene	160000		ug/kg	6400	--	20
Biphenyl	ND		ug/kg	24000	--	20
4-Chloroaniline	ND		ug/kg	10000	--	20
2-Nitroaniline	ND		ug/kg	10000	--	20
3-Nitroaniline	ND		ug/kg	10000	--	20
4-Nitroaniline	ND		ug/kg	10000	--	20
Dibenzofuran	81000		ug/kg	10000	--	20
2-Methylnaphthalene	53000		ug/kg	13000	--	20
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	10000	--	20
Acetophenone	ND		ug/kg	10000	--	20
2,4,6-Trichlorophenol	ND		ug/kg	6400	--	20
p-Chloro-m-cresol	ND		ug/kg	10000	--	20
2-Chlorophenol	ND		ug/kg	10000	--	20
2,4-Dichlorophenol	ND		ug/kg	9500	--	20
2,4-Dimethylphenol	ND		ug/kg	10000	--	20
2-Nitrophenol	ND		ug/kg	23000	--	20
4-Nitrophenol	ND		ug/kg	15000	--	20
2,4-Dinitrophenol	ND		ug/kg	51000	--	20
4,6-Dinitro-o-cresol	ND		ug/kg	28000	--	20
Pentachlorophenol	ND		ug/kg	8500	--	20
Phenol	31000		ug/kg	10000	--	20
2-Methylphenol	ND		ug/kg	10000	--	20
3-Methylphenol/4-Methylphenol	20000		ug/kg	15000	--	20
2,4,5-Trichlorophenol	ND		ug/kg	10000	--	20
Carbazole	50000		ug/kg	10000	--	20
Atrazine	ND		ug/kg	8500	--	20
Benzaldehyde	ND		ug/kg	14000	--	20

Project Name: TROY MGP FORMER MGP SITE**Lab Number:** L2243780**Project Number:** TROY FORMER MGP SI**Report Date:** 08/16/22**SAMPLE RESULTS**

Lab ID: L2243780-02 D
 Client ID: AREA 2 TAR BLEND 2
 Sample Location: 8000 MAIN STREET, TROY, NY, 12180

Date Collected: 08/12/22 13:30
 Date Received: 08/12/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	10000	--	20
2,3,4,6-Tetrachlorophenol	ND		ug/kg	10000	--	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	0	Q	25-120
Phenol-d6	0	Q	10-120
Nitrobenzene-d5	0	Q	23-120
2-Fluorobiphenyl	0	Q	30-120
2,4,6-Tribromophenol	0	Q	10-136
4-Terphenyl-d14	0	Q	18-120

Project Name: TROY MGP FORMER MGP SITE**Lab Number:** L2243780**Project Number:** TROY FORMER MGP SITE**Report Date:** 08/16/22

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 08/15/22 14:26
 Analyst: CMM

Extraction Method: EPA 3546
 Extraction Date: 08/13/22 09:22

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1674890-1					
Acenaphthene	ND		ug/kg	130	--
Hexachlorobenzene	ND		ug/kg	99	--
Bis(2-chloroethyl)ether	ND		ug/kg	150	--
2-Chloronaphthalene	ND		ug/kg	160	--
3,3'-Dichlorobenzidine	ND		ug/kg	160	--
2,4-Dinitrotoluene	ND		ug/kg	160	--
2,6-Dinitrotoluene	ND		ug/kg	160	--
Fluoranthene	ND		ug/kg	99	--
4-Chlorophenyl phenyl ether	ND		ug/kg	160	--
4-Bromophenyl phenyl ether	ND		ug/kg	160	--
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	--
Bis(2-chloroethoxy)methane	ND		ug/kg	180	--
Hexachlorobutadiene	ND		ug/kg	160	--
Hexachlorocyclopentadiene	ND		ug/kg	470	--
Hexachloroethane	ND		ug/kg	130	--
Isophorone	ND		ug/kg	150	--
Naphthalene	ND		ug/kg	160	--
Nitrobenzene	ND		ug/kg	150	--
NDPA/DPA	ND		ug/kg	130	--
n-Nitrosodi-n-propylamine	ND		ug/kg	160	--
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	--
Butyl benzyl phthalate	ND		ug/kg	160	--
Di-n-butylphthalate	ND		ug/kg	160	--
Di-n-octylphthalate	ND		ug/kg	160	--
Diethyl phthalate	ND		ug/kg	160	--
Dimethyl phthalate	ND		ug/kg	160	--
Benzo(a)anthracene	ND		ug/kg	99	--
Benzo(a)pyrene	ND		ug/kg	130	--
Benzo(b)fluoranthene	ND		ug/kg	99	--

Project Name: TROY MGP FORMER MGP SITE**Lab Number:** L2243780**Project Number:** TROY FORMER MGP SITE**Report Date:** 08/16/22

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 08/15/22 14:26
 Analyst: CMM

Extraction Method: EPA 3546
 Extraction Date: 08/13/22 09:22

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1674890-1					
Benzo(k)fluoranthene	ND		ug/kg	99	--
Chrysene	ND		ug/kg	99	--
Acenaphthylene	ND		ug/kg	130	--
Anthracene	ND		ug/kg	99	--
Benzo(ghi)perylene	ND		ug/kg	130	--
Fluorene	ND		ug/kg	160	--
Phenanthrene	ND		ug/kg	99	--
Dibenzo(a,h)anthracene	ND		ug/kg	99	--
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	--
Pyrene	ND		ug/kg	99	--
Biphenyl	ND		ug/kg	370	--
4-Chloroaniline	ND		ug/kg	160	--
2-Nitroaniline	ND		ug/kg	160	--
3-Nitroaniline	ND		ug/kg	160	--
4-Nitroaniline	ND		ug/kg	160	--
Dibenzofuran	ND		ug/kg	160	--
2-Methylnaphthalene	ND		ug/kg	200	--
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	--
Acetophenone	ND		ug/kg	160	--
2,4,6-Trichlorophenol	ND		ug/kg	99	--
p-Chloro-m-cresol	ND		ug/kg	160	--
2-Chlorophenol	ND		ug/kg	160	--
2,4-Dichlorophenol	ND		ug/kg	150	--
2,4-Dimethylphenol	ND		ug/kg	160	--
2-Nitrophenol	ND		ug/kg	360	--
4-Nitrophenol	ND		ug/kg	230	--
2,4-Dinitrophenol	ND		ug/kg	790	--
4,6-Dinitro-o-cresol	ND		ug/kg	430	--
Pentachlorophenol	ND		ug/kg	130	--

Project Name: TROY MGP FORMER MGP SITE**Lab Number:** L2243780**Project Number:** TROY FORMER MGP SITE**Report Date:** 08/16/22

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 08/15/22 14:26
 Analyst: CMM

Extraction Method: EPA 3546
 Extraction Date: 08/13/22 09:22

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1674890-1					
Phenol	ND		ug/kg	160	--
2-Methylphenol	ND		ug/kg	160	--
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	--
2,4,5-Trichlorophenol	ND		ug/kg	160	--
Carbazole	ND		ug/kg	160	--
Atrazine	ND		ug/kg	130	--
Benzaldehyde	ND		ug/kg	220	--
Caprolactam	ND		ug/kg	160	--
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	75		25-120
Phenol-d6	78		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	65		30-120
2,4,6-Tribromophenol	69		10-136
4-Terphenyl-d14	59		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: TROY MGP FORMER MGP SITE

Lab Number: L2243780

Project Number: TROY FORMER MGP SITE

Report Date: 08/16/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1674890-2 WG1674890-3								
Acenaphthene	80		79		31-137	1		50
Hexachlorobenzene	83		84		40-140	1		50
Bis(2-chloroethyl)ether	66		67		40-140	2		50
2-Chloronaphthalene	78		78		40-140	0		50
3,3'-Dichlorobenzidine	65		64		40-140	2		50
2,4-Dinitrotoluene	80		81		40-132	1		50
2,6-Dinitrotoluene	79		79		40-140	0		50
Fluoranthene	81		81		40-140	0		50
4-Chlorophenyl phenyl ether	82		82		40-140	0		50
4-Bromophenyl phenyl ether	81		83		40-140	2		50
Bis(2-chloroisopropyl)ether	54		56		40-140	4		50
Bis(2-chloroethoxy)methane	70		71		40-117	1		50
Hexachlorobutadiene	75		79		40-140	5		50
Hexachlorocyclopentadiene	41		43		40-140	5		50
Hexachloroethane	68		68		40-140	0		50
Isophorone	67		68		40-140	1		50
Naphthalene	75		76		40-140	1		50
Nitrobenzene	69		69		40-140	0		50
NDPA/DPA	82		83		36-157	1		50
n-Nitrosodi-n-propylamine	66		67		32-121	2		50
Bis(2-ethylhexyl)phthalate	90		91		40-140	1		50
Butyl benzyl phthalate	79		83		40-140	5		50
Di-n-butylphthalate	82		83		40-140	1		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: TROY MGP FORMER MGP SITE

Lab Number: L2243780

Project Number: TROY FORMER MGP SITE

Report Date: 08/16/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1674890-2 WG1674890-3								
Di-n-octylphthalate	88		89		40-140	1		50
Diethyl phthalate	81		82		40-140	1		50
Dimethyl phthalate	78		79		40-140	1		50
Benzo(a)anthracene	83		84		40-140	1		50
Benzo(a)pyrene	87		87		40-140	0		50
Benzo(b)fluoranthene	85		84		40-140	1		50
Benzo(k)fluoranthene	88		87		40-140	1		50
Chrysene	85		85		40-140	0		50
Acenaphthylene	79		80		40-140	1		50
Anthracene	80		80		40-140	0		50
Benzo(ghi)perylene	80		79		40-140	1		50
Fluorene	82		82		40-140	0		50
Phenanthrene	78		78		40-140	0		50
Dibenzo(a,h)anthracene	79		79		40-140	0		50
Indeno(1,2,3-cd)pyrene	88		87		40-140	1		50
Pyrene	80		80		35-142	0		50
Biphenyl	77		76		37-127	1		50
4-Chloroaniline	50		49		40-140	2		50
2-Nitroaniline	78		78		47-134	0		50
3-Nitroaniline	70		69		26-129	1		50
4-Nitroaniline	74		76		41-125	3		50
Dibenzofuran	81		81		40-140	0		50
2-Methylnaphthalene	80		79		40-140	1		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: TROY MGP FORMER MGP SITE

Lab Number: L2243780

Project Number: TROY FORMER MGP SITE

Report Date: 08/16/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1674890-2 WG1674890-3								
1,2,4,5-Tetrachlorobenzene	78		79		40-117	1		50
Acetophenone	68		68		14-144	0		50
2,4,6-Trichlorophenol	79		81		30-130	3		50
p-Chloro-m-cresol	81		82		26-103	1		50
2-Chlorophenol	76		76		25-102	0		50
2,4-Dichlorophenol	79		80		30-130	1		50
2,4-Dimethylphenol	74		74		30-130	0		50
2-Nitrophenol	73		72		30-130	1		50
4-Nitrophenol	77		80		11-114	4		50
2,4-Dinitrophenol	20		25		4-130	22		50
4,6-Dinitro-o-cresol	69		71		10-130	3		50
Pentachlorophenol	45		48		17-109	6		50
Phenol	73		74		26-90	1		50
2-Methylphenol	74		76		30-130	3		50
3-Methylphenol/4-Methylphenol	73		75		30-130	3		50
2,4,5-Trichlorophenol	81		83		30-130	2		50
Carbazole	81		81		54-128	0		50
Atrazine	73		76		40-140	4		50
Benzaldehyde	85		86		40-140	1		50
Caprolactam	65		66		15-130	2		50
2,3,4,6-Tetrachlorophenol	80		83		40-140	4		50

Lab Control Sample Analysis**Batch Quality Control****Project Name:** TROY MGP FORMER MGP SITE**Lab Number:** L2243780**Project Number:** TROY FORMER MGP SITE**Report Date:** 08/16/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1674890-2 WG1674890-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	81		82		25-120
Phenol-d6	81		81		10-120
Nitrobenzene-d5	72		72		23-120
2-Fluorobiphenyl	84		84		30-120
2,4,6-Tribromophenol	89		88		10-136
4-Terphenyl-d14	83		85		18-120

PETROLEUM HYDROCARBONS

Project Name: TROY MGP FORMER MGP SITE**Lab Number:** L2243780**Project Number:** TROY FORMER MGP SI**Report Date:** 08/16/22**SAMPLE RESULTS**

Lab ID: L2243780-01 D
 Client ID: AREA 2 TAR BLEND 1
 Sample Location: 8000 MAIN STREET, TROY, NY, 12180

Date Collected: 08/12/22 13:00
 Date Received: 08/12/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8015D(M)
 Analytical Date: 08/14/22 21:32
 Analyst: MKS
 Percent Solids: 89%

Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Gasoline Range Organics - Westborough Lab

Gasoline Range Organics	24000		ug/kg	13000	--	4

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	98		70-130
4-Bromofluorobenzene	87		70-130

Project Name: TROY MGP FORMER MGP SITE**Lab Number:** L2243780**Project Number:** TROY FORMER MGP SI**Report Date:** 08/16/22**SAMPLE RESULTS**

Lab ID: L2243780-01 D
 Client ID: AREA 2 TAR BLEND 1
 Sample Location: 8000 MAIN STREET, TROY, NY, 12180

Date Collected: 08/12/22 13:00
 Date Received: 08/12/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8015D(M)
 Analytical Date: 08/16/22 08:21
 Analyst: SR
 Percent Solids: 89%

Extraction Method: EPA 3546
 Extraction Date: 08/13/22 18:32

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Diesel Range Organics - Westborough Lab						
DRO (C10-C28)	5600000		ug/kg	700000	--	20
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
o-Terphenyl	134			40-140		

Project Name: TROY MGP FORMER MGP SITE**Lab Number:** L2243780**Project Number:** TROY FORMER MGP SI**Report Date:** 08/16/22**SAMPLE RESULTS**

Lab ID: L2243780-02 D
 Client ID: AREA 2 TAR BLEND 2
 Sample Location: 8000 MAIN STREET, TROY, NY, 12180

Date Collected: 08/12/22 13:30
 Date Received: 08/12/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8015D(M)
 Analytical Date: 08/14/22 22:02
 Analyst: MKS
 Percent Solids: 89%

Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Gasoline Range Organics - Westborough Lab

Gasoline Range Organics	78000		ug/kg	30000	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	101		70-130
4-Bromofluorobenzene	88		70-130

Project Name: TROY MGP FORMER MGP SITE**Lab Number:** L2243780**Project Number:** TROY FORMER MGP SI**Report Date:** 08/16/22**SAMPLE RESULTS**

Lab ID: L2243780-02 D
 Client ID: AREA 2 TAR BLEND 2
 Sample Location: 8000 MAIN STREET, TROY, NY, 12180

Date Collected: 08/12/22 13:30
 Date Received: 08/12/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8015D(M)
 Analytical Date: 08/16/22 09:11
 Analyst: SR
 Percent Solids: 89%

Extraction Method: EPA 3546
 Extraction Date: 08/13/22 18:32

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Diesel Range Organics - Westborough Lab						
DRO (C10-C28)	5600000		ug/kg	750000	--	20
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
o-Terphenyl	128			40-140		

Project Name: TROY MGP FORMER MGP SITE**Lab Number:** L2243780**Project Number:** TROY FORMER MGP SITE**Report Date:** 08/16/22**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8015D(M)
 Analytical Date: 08/14/22 13:35
 Analyst: SC

Extraction Method: EPA 3546
 Extraction Date: 08/13/22 18:32

Parameter	Result	Qualifier	Units	RL	MDL
Diesel Range Organics - Westborough Lab for sample(s): 01-02 Batch: WG1674968-1					
DRO (C10-C28)	ND		ug/kg	33000	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	66		40-140

Project Name: TROY MGP FORMER MGP SITE**Lab Number:** L2243780**Project Number:** TROY FORMER MGP SITE**Report Date:** 08/16/22**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8015D(M)
 Analytical Date: 08/14/22 14:24
 Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Gasoline Range Organics - Westborough Lab for sample(s): 01-02 Batch: WG1675412-4					
Gasoline Range Organics	ND		ug/kg	2500	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	97		70-130
4-Bromofluorobenzene	79		70-130

Lab Control Sample Analysis**Batch Quality Control****Project Name:** TROY MGP FORMER MGP SITE**Lab Number:** L2243780**Project Number:** TROY FORMER MGP SITE**Report Date:** 08/16/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Diesel Range Organics - Westborough Lab Associated sample(s): 01-02 Batch: WG1674968-2								
DRO (C10-C28)	80		-		60-140	-		

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	67				40-140

Lab Control Sample Analysis**Batch Quality Control****Project Name:** TROY MGP FORMER MGP SITE**Lab Number:** L2243780**Project Number:** TROY FORMER MGP SITE**Report Date:** 08/16/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 01-02 Batch: WG1675412-2 WG1675412-3								
Gasoline Range Organics	90		92		80-120	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,1,1-Trifluorotoluene	82		73		70-130
4-Bromofluorobenzene	72		71		70-130

Lab Duplicate Analysis

Batch Quality Control

Project Name: TROY MGP FORMER MGP SITE

Lab Number: L2243780

Project Number: TROY FORMER MGP SITE

Report Date: 08/16/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Diesel Range Organics - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1674968-3 QC Sample: L2243780-01 Client ID: AREA 2 TAR BLEND 1						
DRO (C10-C28)	5600000	5000000	ug/kg	11		20

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	134		133		40-140

PCBS

Project Name: TROY MGP FORMER MGP SITE**Lab Number:** L2243780**Project Number:** TROY FORMER MGP SI**Report Date:** 08/16/22**SAMPLE RESULTS**

Lab ID: L2243780-01
 Client ID: AREA 2 TAR BLEND 1
 Sample Location: 8000 MAIN STREET, TROY, NY, 12180

Date Collected: 08/12/22 13:00
 Date Received: 08/12/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 08/14/22 11:41
 Analyst: JM
 Percent Solids: 89%

Extraction Method: EPA 3546
 Extraction Date: 08/13/22 13:26
 Cleanup Method: EPA 3665A
 Cleanup Date: 08/13/22
 Cleanup Method: EPA 3660B
 Cleanup Date: 08/14/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		mg/kg	1.00	--	1	A
Aroclor 1221	ND		mg/kg	1.00	--	1	A
Aroclor 1232	ND		mg/kg	1.00	--	1	A
Aroclor 1242	ND		mg/kg	1.00	--	1	A
Aroclor 1248	ND		mg/kg	1.00	--	1	A
Aroclor 1254	ND		mg/kg	1.00	--	1	A
Aroclor 1260	ND		mg/kg	1.00	--	1	A
Aroclor 1262	ND		mg/kg	1.00	--	1	A
Aroclor 1268	ND		mg/kg	1.00	--	1	A
PCBs, Total	ND		mg/kg	1.00	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	64		30-150	B

Project Name: TROY MGP FORMER MGP SITE**Lab Number:** L2243780**Project Number:** TROY FORMER MGP SI**Report Date:** 08/16/22**SAMPLE RESULTS**

Lab ID: L2243780-02
 Client ID: AREA 2 TAR BLEND 2
 Sample Location: 8000 MAIN STREET, TROY, NY, 12180

Date Collected: 08/12/22 13:30
 Date Received: 08/12/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 08/14/22 11:54
 Analyst: JM
 Percent Solids: 89%

Extraction Method: EPA 3546
 Extraction Date: 08/13/22 13:26
 Cleanup Method: EPA 3665A
 Cleanup Date: 08/13/22
 Cleanup Method: EPA 3660B
 Cleanup Date: 08/14/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		mg/kg	1.00	--	1	A
Aroclor 1221	ND		mg/kg	1.00	--	1	A
Aroclor 1232	ND		mg/kg	1.00	--	1	A
Aroclor 1242	ND		mg/kg	1.00	--	1	A
Aroclor 1248	ND		mg/kg	1.00	--	1	A
Aroclor 1254	ND		mg/kg	1.00	--	1	A
Aroclor 1260	ND		mg/kg	1.00	--	1	A
Aroclor 1262	ND		mg/kg	1.00	--	1	A
Aroclor 1268	ND		mg/kg	1.00	--	1	A
PCBs, Total	ND		mg/kg	1.00	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	51		30-150	A
Decachlorobiphenyl	44		30-150	A
2,4,5,6-Tetrachloro-m-xylene	49		30-150	B
Decachlorobiphenyl	44		30-150	B

Project Name: TROY MGP FORMER MGP SITE
Project Number: TROY FORMER MGP SITE

Lab Number: L2243780
Report Date: 08/16/22

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 08/14/22 11:03
 Analyst: JM

Extraction Method: EPA 3546
 Extraction Date: 08/13/22 13:26
 Cleanup Method: EPA 3665A
 Cleanup Date: 08/13/22
 Cleanup Method: EPA 3660B
 Cleanup Date: 08/14/22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-02 Batch: WG1674928-1						
Aroclor 1016	ND		mg/kg	1.00	--	A
Aroclor 1221	ND		mg/kg	1.00	--	A
Aroclor 1232	ND		mg/kg	1.00	--	A
Aroclor 1242	ND		mg/kg	1.00	--	A
Aroclor 1248	ND		mg/kg	1.00	--	A
Aroclor 1254	ND		mg/kg	1.00	--	A
Aroclor 1260	ND		mg/kg	1.00	--	A
Aroclor 1262	ND		mg/kg	1.00	--	A
Aroclor 1268	ND		mg/kg	1.00	--	A
PCBs, Total	ND		mg/kg	1.00	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	92		30-150	A
Decachlorobiphenyl	94		30-150	A
2,4,5,6-Tetrachloro-m-xylene	94		30-150	B
Decachlorobiphenyl	101		30-150	B

Lab Control Sample Analysis**Batch Quality Control****Project Name:** TROY MGP FORMER MGP SITE**Lab Number:** L2243780**Project Number:** TROY FORMER MGP SITE**Report Date:** 08/16/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG1674928-2 WG1674928-3									
Aroclor 1016	87		87		40-140	0		50	A
Aroclor 1260	82		80		40-140	2		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		87		30-150	A
Decachlorobiphenyl	87		84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		89		30-150	B
Decachlorobiphenyl	94		94		30-150	B

METALS

Project Name: TROY MGP FORMER MGP SITE**Lab Number:** L2243780**Project Number:** TROY FORMER MGP SITE**Report Date:** 08/16/22**SAMPLE RESULTS**

Lab ID: L2243780-01

Date Collected: 08/12/22 13:00

Client ID: AREA 2 TAR BLEND 1

Date Received: 08/12/22

Sample Location: 8000 MAIN STREET, TROY, NY, 12180

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	10300		mg/kg	8.68	--	2	08/14/22 11:34	08/15/22 12:40	EPA 3050B	1,6010D	JF
Antimony, Total	ND		mg/kg	4.34	--	2	08/14/22 11:34	08/15/22 12:40	EPA 3050B	1,6010D	JF
Arsenic, Total	34.8		mg/kg	0.868	--	2	08/14/22 11:34	08/15/22 12:40	EPA 3050B	1,6010D	JF
Barium, Total	129		mg/kg	0.868	--	2	08/14/22 11:34	08/15/22 12:40	EPA 3050B	1,6010D	JF
Beryllium, Total	1.08		mg/kg	0.434	--	2	08/14/22 11:34	08/15/22 12:40	EPA 3050B	1,6010D	JF
Cadmium, Total	ND		mg/kg	0.868	--	2	08/14/22 11:34	08/15/22 12:40	EPA 3050B	1,6010D	JF
Calcium, Total	32200		mg/kg	8.68	--	2	08/14/22 11:34	08/15/22 12:40	EPA 3050B	1,6010D	JF
Chromium, Total	18.8		mg/kg	0.868	--	2	08/14/22 11:34	08/15/22 12:40	EPA 3050B	1,6010D	JF
Cobalt, Total	7.24		mg/kg	1.74	--	2	08/14/22 11:34	08/15/22 12:40	EPA 3050B	1,6010D	JF
Copper, Total	64.0		mg/kg	0.868	--	2	08/14/22 11:34	08/15/22 12:40	EPA 3050B	1,6010D	JF
Iron, Total	43000		mg/kg	4.34	--	2	08/14/22 11:34	08/15/22 12:40	EPA 3050B	1,6010D	JF
Lead, Total	149		mg/kg	4.34	--	2	08/14/22 11:34	08/15/22 12:40	EPA 3050B	1,6010D	JF
Magnesium, Total	4780		mg/kg	8.68	--	2	08/14/22 11:34	08/15/22 12:40	EPA 3050B	1,6010D	JF
Manganese, Total	1250		mg/kg	0.868	--	2	08/14/22 11:34	08/15/22 12:40	EPA 3050B	1,6010D	JF
Mercury, Total	1.77		mg/kg	0.082	--	1	08/14/22 12:50	08/15/22 10:46	EPA 7471B	1,7471B	DMB
Nickel, Total	17.2		mg/kg	2.17	--	2	08/14/22 11:34	08/15/22 12:40	EPA 3050B	1,6010D	JF
Potassium, Total	951		mg/kg	217	--	2	08/14/22 11:34	08/15/22 12:40	EPA 3050B	1,6010D	JF
Selenium, Total	2.47		mg/kg	1.74	--	2	08/14/22 11:34	08/15/22 12:40	EPA 3050B	1,6010D	JF
Silver, Total	ND		mg/kg	0.868	--	2	08/14/22 11:34	08/15/22 12:40	EPA 3050B	1,6010D	JF
Sodium, Total	646		mg/kg	174	--	2	08/14/22 11:34	08/15/22 12:40	EPA 3050B	1,6010D	JF
Thallium, Total	ND		mg/kg	1.74	--	2	08/14/22 11:34	08/15/22 12:40	EPA 3050B	1,6010D	JF
Vanadium, Total	24.7		mg/kg	0.868	--	2	08/14/22 11:34	08/15/22 12:40	EPA 3050B	1,6010D	JF
Zinc, Total	129		mg/kg	4.34	--	2	08/14/22 11:34	08/15/22 12:40	EPA 3050B	1,6010D	JF



Project Name: TROY MGP FORMER MGP SITE**Lab Number:** L2243780**Project Number:** TROY FORMER MGP SITE**Report Date:** 08/16/22**SAMPLE RESULTS**

Lab ID: L2243780-02

Date Collected: 08/12/22 13:30

Client ID: AREA 2 TAR BLEND 2

Date Received: 08/12/22

Sample Location: 8000 MAIN STREET, TROY, NY, 12180

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	10500		mg/kg	8.85	--	2	08/14/22 11:34	08/15/22 12:43	EPA 3050B	1,6010D	JF
Antimony, Total	ND		mg/kg	4.42	--	2	08/14/22 11:34	08/15/22 12:43	EPA 3050B	1,6010D	JF
Arsenic, Total	29.9		mg/kg	0.885	--	2	08/14/22 11:34	08/15/22 12:43	EPA 3050B	1,6010D	JF
Barium, Total	129		mg/kg	0.885	--	2	08/14/22 11:34	08/15/22 12:43	EPA 3050B	1,6010D	JF
Beryllium, Total	0.903		mg/kg	0.442	--	2	08/14/22 11:34	08/15/22 12:43	EPA 3050B	1,6010D	JF
Cadmium, Total	ND		mg/kg	0.885	--	2	08/14/22 11:34	08/15/22 12:43	EPA 3050B	1,6010D	JF
Calcium, Total	37200		mg/kg	8.85	--	2	08/14/22 11:34	08/15/22 12:43	EPA 3050B	1,6010D	JF
Chromium, Total	22.8		mg/kg	0.885	--	2	08/14/22 11:34	08/15/22 12:43	EPA 3050B	1,6010D	JF
Cobalt, Total	7.05		mg/kg	1.77	--	2	08/14/22 11:34	08/15/22 12:43	EPA 3050B	1,6010D	JF
Copper, Total	44.2		mg/kg	0.885	--	2	08/14/22 11:34	08/15/22 12:43	EPA 3050B	1,6010D	JF
Iron, Total	44400		mg/kg	44.2	--	20	08/14/22 11:34	08/15/22 13:41	EPA 3050B	1,6010D	JF
Lead, Total	110		mg/kg	4.42	--	2	08/14/22 11:34	08/15/22 12:43	EPA 3050B	1,6010D	JF
Magnesium, Total	4740		mg/kg	8.85	--	2	08/14/22 11:34	08/15/22 12:43	EPA 3050B	1,6010D	JF
Manganese, Total	1100		mg/kg	0.885	--	2	08/14/22 11:34	08/15/22 12:43	EPA 3050B	1,6010D	JF
Mercury, Total	1.35		mg/kg	0.072	--	1	08/14/22 12:50	08/15/22 11:50	EPA 7471B	1,7471B	DMB
Nickel, Total	16.6		mg/kg	2.21	--	2	08/14/22 11:34	08/15/22 12:43	EPA 3050B	1,6010D	JF
Potassium, Total	903		mg/kg	221	--	2	08/14/22 11:34	08/15/22 12:43	EPA 3050B	1,6010D	JF
Selenium, Total	1.80		mg/kg	1.77	--	2	08/14/22 11:34	08/15/22 12:43	EPA 3050B	1,6010D	JF
Silver, Total	ND		mg/kg	0.885	--	2	08/14/22 11:34	08/15/22 12:43	EPA 3050B	1,6010D	JF
Sodium, Total	572		mg/kg	177	--	2	08/14/22 11:34	08/15/22 12:43	EPA 3050B	1,6010D	JF
Thallium, Total	ND		mg/kg	1.77	--	2	08/14/22 11:34	08/15/22 12:43	EPA 3050B	1,6010D	JF
Vanadium, Total	28.7		mg/kg	0.885	--	2	08/14/22 11:34	08/15/22 12:43	EPA 3050B	1,6010D	JF
Zinc, Total	121		mg/kg	4.42	--	2	08/14/22 11:34	08/15/22 12:43	EPA 3050B	1,6010D	JF



Project Name: TROY MGP FORMER MGP SITE

Lab Number: L2243780

Project Number: TROY FORMER MGP SITE

Report Date: 08/16/22

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-02 Batch: WG1675033-1										
Mercury, Total	ND		mg/kg	0.083	--	1	08/14/22 12:50	08/15/22 10:40	1,7471B	DMB

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-02 Batch: WG1675056-1										
Aluminum, Total	ND		mg/kg	4.00	--	1	08/14/22 11:34	08/15/22 09:44	1,6010D	JF
Antimony, Total	ND		mg/kg	2.00	--	1	08/14/22 11:34	08/15/22 09:44	1,6010D	JF
Arsenic, Total	ND		mg/kg	0.400	--	1	08/14/22 11:34	08/15/22 09:44	1,6010D	JF
Barium, Total	ND		mg/kg	0.400	--	1	08/14/22 11:34	08/15/22 09:44	1,6010D	JF
Beryllium, Total	ND		mg/kg	0.200	--	1	08/14/22 11:34	08/15/22 09:44	1,6010D	JF
Cadmium, Total	ND		mg/kg	0.400	--	1	08/14/22 11:34	08/15/22 09:44	1,6010D	JF
Calcium, Total	ND		mg/kg	4.00	--	1	08/14/22 11:34	08/15/22 09:44	1,6010D	JF
Chromium, Total	ND		mg/kg	0.400	--	1	08/14/22 11:34	08/15/22 09:44	1,6010D	JF
Cobalt, Total	ND		mg/kg	0.800	--	1	08/14/22 11:34	08/15/22 09:44	1,6010D	JF
Copper, Total	ND		mg/kg	0.400	--	1	08/14/22 11:34	08/15/22 09:44	1,6010D	JF
Iron, Total	ND		mg/kg	2.00	--	1	08/14/22 11:34	08/15/22 09:44	1,6010D	JF
Lead, Total	ND		mg/kg	2.00	--	1	08/14/22 11:34	08/15/22 09:44	1,6010D	JF
Magnesium, Total	ND		mg/kg	4.00	--	1	08/14/22 11:34	08/15/22 09:44	1,6010D	JF
Manganese, Total	ND		mg/kg	0.400	--	1	08/14/22 11:34	08/15/22 09:44	1,6010D	JF
Nickel, Total	ND		mg/kg	1.00	--	1	08/14/22 11:34	08/15/22 09:44	1,6010D	JF
Potassium, Total	ND		mg/kg	100	--	1	08/14/22 11:34	08/15/22 09:44	1,6010D	JF
Selenium, Total	ND		mg/kg	0.800	--	1	08/14/22 11:34	08/15/22 09:44	1,6010D	JF
Silver, Total	ND		mg/kg	0.400	--	1	08/14/22 11:34	08/15/22 09:44	1,6010D	JF
Sodium, Total	ND		mg/kg	80.0	--	1	08/14/22 11:34	08/15/22 09:44	1,6010D	JF
Thallium, Total	ND		mg/kg	0.800	--	1	08/14/22 11:34	08/15/22 09:44	1,6010D	JF
Vanadium, Total	ND		mg/kg	0.400	--	1	08/14/22 11:34	08/15/22 09:44	1,6010D	JF
Zinc, Total	ND		mg/kg	2.00	--	1	08/14/22 11:34	08/15/22 09:44	1,6010D	JF

Project Name: TROY MGP FORMER MGP SITE

Lab Number: L2243780

Project Number: TROY FORMER MGP SITE

Report Date: 08/16/22

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis**Batch Quality Control****Project Name:** TROY MGP FORMER MGP SITE**Lab Number:** L2243780**Project Number:** TROY FORMER MGP SITE**Report Date:** 08/16/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1675033-2 SRM Lot Number: D113-540								
Mercury, Total	95		-		60-140	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: TROY MGP FORMER MGP SITE

Lab Number: L2243780

Project Number: TROY FORMER MGP SITE

Report Date: 08/16/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1675056-2 SRM Lot Number: D113-540					
Aluminum, Total	63	-	51-149	-	
Antimony, Total	143	-	20-250	-	
Arsenic, Total	85	-	70-130	-	
Barium, Total	77	-	75-125	-	
Beryllium, Total	85	-	75-125	-	
Cadmium, Total	80	-	75-125	-	
Calcium, Total	80	-	73-128	-	
Chromium, Total	80	-	70-130	-	
Cobalt, Total	83	-	75-125	-	
Copper, Total	81	-	75-125	-	
Iron, Total	72	-	36-164	-	
Lead, Total	81	-	72-128	-	
Magnesium, Total	77	-	63-138	-	
Manganese, Total	82	-	77-123	-	
Nickel, Total	82	-	70-130	-	
Potassium, Total	75	-	59-141	-	
Selenium, Total	84	-	66-134	-	
Silver, Total	80	-	70-131	-	
Sodium, Total	97	-	35-164	-	
Thallium, Total	84	-	70-130	-	
Vanadium, Total	81	-	74-126	-	

Lab Control Sample Analysis**Batch Quality Control****Project Name:** TROY MGP FORMER MGP SITE**Lab Number:** L2243780**Project Number:** TROY FORMER MGP SITE**Report Date:** 08/16/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1675056-2 SRM Lot Number: D113-540					
Zinc, Total	81	-	70-130	-	

Matrix Spike Analysis

Batch Quality Control

Project Name: TROY MGP FORMER MGP SITE

Lab Number: L2243780

Project Number: TROY FORMER MGP SITE

Report Date: 08/16/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1675033-3 QC Sample: L2243780-01 Client ID: AREA 2 TAR BLEND 1												
Mercury, Total	1.77	1.82	3.86	115		-	-		80-120	-		20

Matrix Spike Analysis

Batch Quality Control

Project Name: TROY MGP FORMER MGP SITE

Project Number: TROY FORMER MGP SITE

Lab Number: L2243780

Report Date: 08/16/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02			QC Batch ID: WG1675056-3		QC Sample: L2243656-01		Client ID: MS Sample		
Aluminum, Total	3960	174	4610	374	Q	-	75-125	-	20
Antimony, Total	25.3	43.4	56.2	71	Q	-	75-125	-	20
Arsenic, Total	14.5	10.4	15.6	10	Q	-	75-125	-	20
Barium, Total	137	174	222	49	Q	-	75-125	-	20
Beryllium, Total	ND	4.34	3.88	89		-	75-125	-	20
Cadmium, Total	0.679	4.6	3.62	64	Q	-	75-125	-	20
Calcium, Total	18600	869	21400	322	Q	-	75-125	-	20
Chromium, Total	61.8	17.4	56.0	0	Q	-	75-125	-	20
Cobalt, Total	5.86	43.4	33.2	63	Q	-	75-125	-	20
Copper, Total	64.5	21.7	65.3	4	Q	-	75-125	-	20
Iron, Total	25200	86.9	9750	0	Q	-	75-125	-	20
Lead, Total	1090	46	612	0	Q	-	75-125	-	20
Magnesium, Total	3880	869	4260	44	Q	-	75-125	-	20
Manganese, Total	179	43.4	229	115		-	75-125	-	20
Nickel, Total	18.1	43.4	41.2	53	Q	-	75-125	-	20
Potassium, Total	598	869	1370	89		-	75-125	-	20
Selenium, Total	ND	10.4	8.36	80		-	75-125	-	20
Silver, Total	1.21	26.1	22.6	82		-	75-125	-	20
Sodium, Total	504	869	1310	93		-	75-125	-	20
Thallium, Total	ND	10.4	7.75	74	Q	-	75-125	-	20
Vanadium, Total	12.1	43.4	48.1	83		-	75-125	-	20

Matrix Spike Analysis

Batch Quality Control

Project Name: TROY MGP FORMER MGP SITE

Lab Number: L2243780

Project Number: TROY FORMER MGP SITE

Report Date: 08/16/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1675056-3 QC Sample: L2243656-01 Client ID: MS Sample									
Zinc, Total	244	43.4	213	0	Q	-	75-125	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: TROY MGP FORMER MGP SITE

Project Number: TROY FORMER MGP SITE

Lab Number: L2243780

Report Date: 08/16/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1675033-4 QC Sample: L2243780-01 Client ID: AREA 2 TAR BLEND 1						
Mercury, Total	1.77	1.42	mg/kg	22	Q	20
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1675056-4 QC Sample: L2243656-01 Client ID: DUP Sample						
Lead, Total	1090	539	mg/kg	68	Q	20

Project Name: TROY MGP FORMER MGP SITE
Project Number: TROY FORMER MC

**Lab Serial Dilution
Analysis**
Batch Quality Control

Lab Number: L2243780
Report Date: 08/16/22

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1675056-6 QC Sample: L2243656-01 Client ID: DUP Sample						
Lead, Total	1090	1300	mg/kg	19		20

INORGANICS & MISCELLANEOUS

Project Name: TROY MGP FORMER MGP SITE**Lab Number:** L2243780**Project Number:** TROY FORMER MGP SITE**Report Date:** 08/16/22**SAMPLE RESULTS****Lab ID:** L2243780-01**Date Collected:** 08/12/22 13:00**Client ID:** AREA 2 TAR BLEND 1**Date Received:** 08/12/22**Sample Location:** 8000 MAIN STREET, TROY, NY, 12180**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.2		%	0.100	NA	1	-	08/13/22 08:54	121,2540G	RI
Cyanide, Total	11		mg/kg	1.1	--	1	08/14/22 17:30	08/15/22 13:21	1,9010C/9012B	JR



Project Name: TROY MGP FORMER MGP SITE

Lab Number: L2243780

Project Number: TROY FORMER MGP SITE

Report Date: 08/16/22

SAMPLE RESULTS

Lab ID: L2243780-02

Date Collected: 08/12/22 13:30

Client ID: AREA 2 TAR BLEND 2

Date Received: 08/12/22

Sample Location: 8000 MAIN STREET, TROY, NY, 12180

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.8		%	0.100	NA	1	-	08/13/22 08:54	121,2540G	RI
Cyanide, Total	8.6		mg/kg	1.1	--	1	08/14/22 17:30	08/15/22 13:24	1,9010C/9012B	JR



Project Name: TROY MGP FORMER MGP SITE**Lab Number:** L2243780**Project Number:** TROY FORMER MGP SITE**Report Date:** 08/16/22**Method Blank Analysis**
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG1675122-1										
Cyanide, Total	ND		mg/kg	1.0	--	1	08/14/22 17:30	08/15/22 13:08	1,9010C/9012B	JR

Lab Control Sample Analysis**Batch Quality Control****Project Name:** TROY MGP FORMER MGP SITE**Lab Number:** L2243780**Project Number:** TROY FORMER MGP SITE**Report Date:** 08/16/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG1675122-2 WG1675122-3								
Cyanide, Total	43	Q	81		80-120	49	Q	35

Matrix Spike Analysis Batch Quality Control

Project Name: TROY MGP FORMER MGP SITE

Lab Number: L2243780

Project Number: TROY FORMER MGP SITE

Report Date: 08/16/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1675122-4 WG1675122-5 QC Sample: L2243780-01 Client ID: AREA 2 TAR BLEND 1												
Cyanide, Total	11	11	23	110		21	91		75-125	9		35

Lab Duplicate Analysis
*Batch Quality Control***Project Name:** TROY MGP FORMER MGP SITE**Project Number:** TROY FORMER MGP SITE**Lab Number:** L2243780**Report Date:** 08/16/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1674840-1 QC Sample: L2243662-01 Client ID: DUP Sample						
Solids, Total	79.7	78.2	%	2		20

Project Name: TROY MGP FORMER MGP SITE**Lab Number:** L2243780**Project Number:** TROY FORMER MGP SITE**Report Date:** 08/16/22**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2243780-01A	Vial MeOH preserved	A	NA		3.5	Y	Absent		TPH-GRO(14),NYTCL-8260HLW-R2(14)
L2243780-01B	Vial water preserved	A	NA		3.5	Y	Absent	13-AUG-22 02:55	NYTCL-8260HLW-R2(14)
L2243780-01C	Vial water preserved	A	NA		3.5	Y	Absent	13-AUG-22 02:55	NYTCL-8260HLW-R2(14)
L2243780-01D	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		TS(7)
L2243780-01E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.5	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),CR-Ti(180),TL-Ti(180),AL-Ti(180),NI-Ti(180),ZN-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),V-Ti(180),CO-Ti(180),FE-Ti(180),MN-Ti(180),HG-T(28),MG-Ti(180),CA-Ti(180),CD-Ti(180),NA-Ti(180),K-Ti(180)
L2243780-01F	Vial Large Septa unpreserved (4oz)	A	NA		3.5	Y	Absent		TPH-GRO(14),TCLP-EXT-ZHE(14)
L2243780-01G	Glass 250ml/8oz unpreserved	A	NA		3.5	Y	Absent		SUB-SULFUR(180),SUB-BTU()
L2243780-01H	Glass 250ml/8oz unpreserved	A	NA		3.5	Y	Absent		NYTCL-8270(14),TCN-9010(14),TPH-DRO(14),NYTCL-8082-PPM(365)
L2243780-01J	Glass 250ml/8oz unpreserved	A	NA		3.5	Y	Absent		NYTCL-8270(14),TCN-9010(14),TPH-DRO(14),NYTCL-8082-PPM(365)
L2243780-01Y	Vial unpreserved Extracts	A	NA		3.5	Y	Absent		TCLP-VOA(14)
L2243780-01Z	Vial unpreserved Extracts	A	NA		3.5	Y	Absent		TCLP-VOA(14)
L2243780-02A	Vial MeOH preserved	A	NA		3.5	Y	Absent		TPH-GRO(14),NYTCL-8260HLW-R2(14)
L2243780-02B	Vial water preserved	A	NA		3.5	Y	Absent	13-AUG-22 02:55	NYTCL-8260HLW-R2(14)
L2243780-02C	Vial water preserved	A	NA		3.5	Y	Absent	13-AUG-22 02:55	NYTCL-8260HLW-R2(14)
L2243780-02D	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		TS(7)
L2243780-02E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.5	Y	Absent		BE-Ti(180),BA-Ti(180),AS-Ti(180),AG-Ti(180),CR-Ti(180),TL-Ti(180),AL-Ti(180),NI-Ti(180),PB-Ti(180),SE-Ti(180),SB-Ti(180),CU-Ti(180),ZN-Ti(180),CO-Ti(180),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),K-Ti(180),NA-Ti(180),CD-Ti(180),CA-Ti(180)
L2243780-02F	Vial Large Septa unpreserved (4oz)	A	NA		3.5	Y	Absent		TPH-GRO(14),TCLP-EXT-ZHE(14)

Project Name: TROY MGP FORMER MGP SITE**Lab Number:** L2243780**Project Number:** TROY FORMER MGP SITE**Report Date:** 08/16/22**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2243780-02G	Glass 250ml/8oz unpreserved	A	NA		3.5	Y	Absent		SUB-SULFUR(180),SUB-BTU()
L2243780-02H	Glass 250ml/8oz unpreserved	A	NA		3.5	Y	Absent		NYTCL-8270(14),TCN-9010(14),TPH-DRO(14),NYTCL-8082-PPM(365)
L2243780-02J	Glass 250ml/8oz unpreserved	A	NA		3.5	Y	Absent		NYTCL-8270(14),TCN-9010(14),TPH-DRO(14),NYTCL-8082-PPM(365)
L2243780-02Y	Vial unpreserved Extracts	A	NA		3.5	Y	Absent		TCLP-VOA(14)
L2243780-02Z	Vial unpreserved Extracts	A	NA		3.5	Y	Absent		TCLP-VOA(14)

Project Name: TROY MGP FORMER MGP SITE**Lab Number:** L2243780**Project Number:** TROY FORMER MGP SITE**Report Date:** 08/16/22

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: Data Usability Report

Project Name: TROY MGP FORMER MGP SITE
Project Number: TROY FORMER MGP SITE

Lab Number: L2243780
Report Date: 08/16/22

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

Report Format: Data Usability Report



Project Name: TROY MGP FORMER MGP SITE
Project Number: TROY FORMER MGP SITE

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Data Qualifiers

- ND** - Not detected at the reporting limit (RL) for the sample.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: TROY MGP FORMER MGP SITE
Project Number: TROY FORMER MGP SITE

Lab Number: L2243780
Report Date: 08/16/22

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility

EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene

EPA 625/625.1: alpha-Terpineol

EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

EPA 8270D/8270E: NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.

Mansfield Facility

SM 2540D: TSS

EPA 8082A: NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water

EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B

EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,**

SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.

EPA 624.1: Volatile Halocarbons & Aromatics,

EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water

EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.**

EPA 522, EPA 537.1.

Non-Potable Water

EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

EPA 245.1 Hg.

SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

 NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193 Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288		Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105		Page 1 of		Date Rec'd in Lab 8/13/22		ALPHA Job # L2243780																																																																																																																																																																																																																								
		Project Information Project Name: Troy Former MGP Site Project Location: 8000 Main Street, Troy, NY 12180 Project # _____ (Use Project name as Project #) ☒		Deliverables ☐ ASP-A ☐ ASP-B ☐ EQuIS (1 File) ☐ EQuIS (4 File) ☐ Other		Billing Information ☐ Same as Client Info PO # _____																																																																																																																																																																																																																										
Client Information Client: LAND Remediation Address: 74 Hudson River Road, Waterford, NY 12188 Phone: 203.233.4100 Fax: _____ Email: jlb@land-remediation.com		Project Manager: Jonathan Borrelli ALPHAQuote #: _____ Turn-Around Time Standard ☐ Due Date: _____ Rush (only if pre approved) ☐ # of Days: 2 Day		Regulatory Requirement ☐ NY TOGS ☐ NY Part 375 ☐ AWQ Standards ☐ NY CP-51 ☐ NY Restricted Use ☐ Other ☐ NY Unrestricted Use ☐ NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: ☐ NJ ☒ NY ☐ Other: _____																																																																																																																																																																																																																										
These samples have been previously analyzed by Alpha ☐						ANALYSIS																																																																																																																																																																																																																										
Other project specific requirements/comments: ONLY REPORT MAXIMUM TCL PCBs QUANTITY TO 1 PPM Please specify Metals or TAL.						Sample Filtration ☐ Done ☐ Lab to do ☐ Lab to do (Please Specify below)																																																																																																																																																																																																																										
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**Sterling Analytical, Inc.**

15 Agawam Avenue

West Springfield, MA 01089

Phone (413) 214-6541 Fax (413) 214-6842

Visit our website: www.sterlinganalytical.comReport Date August 16, 2022

Customer	Contact	Laboratory Supervisor	eMail
Alpha Analytical Lab	M. Deyo	Dale Percoski	customerservice@sterlinganalytical.com
Sample Description Analysis of Solid Samples			

Samples Analyzed

Enclosed are Report No(s): 77800, 77802

Reported on dry basis.

Thank you for your business*Dale Percoski**Dale Percoski, Laboratory Supervisor*8/16/2022**Date**

ALL the information contained in this report has been reviewed for accuracy and checked against all quality control requirements outlined in each applicable method.

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Sample Analysis

Sample	Description	Source	Taken/Time	Received
77800	L2243780 Area 2 Tar Blend 1	Alpha Analytical Lab	8/12/22 13:00	8/15/22

Parameter	Results	RDL	Method	Analyzed/Time	Tech
BTU/Lb	1,636	500.00	ASTM D5865	08/16/22	sjr
Sulfur, %	0.32	0.10	SW 846 6010	08/16/22	sjr

Sample	Description	Source	Taken/Time	Received
77802	L2243780 Area 2 Tar Blend 2	Alpha Analytical Lab	8/12/22 13:30	8/15/22

Parameter	Results	RDL	Method	Analyzed/Time	Tech
BTU/Lb	2,566	500.00	ASTM D5865	08/16/22	sjr
Sulfur, %	0.33	0.10	SW 846 6010	08/16/22	sjr



ANALYTICAL REPORT

Lab Number:	L2247980
Client:	Land Remediation, Inc. 74 Hudson River Road Waterford, NY 12188
ATTN:	Jonathan Borrelli
Phone:	(203) 233-4100
Project Name:	TROY (WATER ST.) FORMER MGP
Project Number:	TROY (WATER STREET)
Report Date:	09/08/22

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: TROY (WATER ST.) FORMER MGP
Project Number: TROY (WATER STREET)

Lab Number: L2247980
Report Date: 09/08/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2247980-01	AREA 2 ISS SWELL 11	SOIL	8000 MAIN STREET, TROY, NY 1180	09/02/22 15:00	09/02/22
L2247980-02	AREA 2 ISS SWELL 12	SOIL	8000 MAIN STREET, TROY, NY 1180	09/02/22 15:15	09/02/22
L2247980-03	AREA 2 ISS SWELL 13	SOIL	8000 MAIN STREET, TROY, NY 1180	09/02/22 15:30	09/02/22

Project Name: TROY (WATER ST.) FORMER MGP
Project Number: TROY (WATER STREET)

Lab Number: L2247980
Report Date: 09/08/22

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:

 Caitlin Walukevich

Title: Technical Director/Representative

Date: 09/08/22

ORGANICS

VOLATILES

Project Name: TROY (WATER ST.) FORMER MGP**Lab Number:** L2247980**Project Number:** TROY (WATER STREET)**Report Date:** 09/08/22**SAMPLE RESULTS**

Lab ID: L2247980-01
 Client ID: AREA 2 ISS SWELL 11
 Sample Location: 8000 MAIN STREET, TROY, NY 1180

Date Collected: 09/02/22 15:00
 Date Received: 09/02/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 09/07/22 11:54
 Analyst: MKS
 Percent Solids: 86%
 TCLP/SPLP Ext. Date: 09/06/22 10:05

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	--	10
Carbon tetrachloride	ND		ug/l	5.0	--	10
Tetrachloroethene	ND		ug/l	5.0	--	10
Chlorobenzene	ND		ug/l	5.0	--	10
1,2-Dichloroethane	ND		ug/l	5.0	--	10
Benzene	ND		ug/l	5.0	--	10
Vinyl chloride	ND		ug/l	10	--	10
1,1-Dichloroethene	ND		ug/l	5.0	--	10
Trichloroethene	ND		ug/l	5.0	--	10
1,4-Dichlorobenzene	ND		ug/l	25	--	10
2-Butanone	ND		ug/l	50	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	107		70-130
dibromofluoromethane	112		70-130

Project Name: TROY (WATER ST.) FORMER MGP**Lab Number:** L2247980**Project Number:** TROY (WATER STREET)**Report Date:** 09/08/22**SAMPLE RESULTS**

Lab ID: L2247980-02
 Client ID: AREA 2 ISS SWELL 12
 Sample Location: 8000 MAIN STREET, TROY, NY 1180

Date Collected: 09/02/22 15:15
 Date Received: 09/02/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 09/07/22 12:17
 Analyst: MKS
 Percent Solids: 85%
 TCLP/SPLP Ext. Date: 09/06/22 10:05

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	--	10
Carbon tetrachloride	ND		ug/l	5.0	--	10
Tetrachloroethene	ND		ug/l	5.0	--	10
Chlorobenzene	ND		ug/l	5.0	--	10
1,2-Dichloroethane	ND		ug/l	5.0	--	10
Benzene	ND		ug/l	5.0	--	10
Vinyl chloride	ND		ug/l	10	--	10
1,1-Dichloroethene	ND		ug/l	5.0	--	10
Trichloroethene	ND		ug/l	5.0	--	10
1,4-Dichlorobenzene	ND		ug/l	25	--	10
2-Butanone	ND		ug/l	50	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	106		70-130
dibromofluoromethane	111		70-130

Project Name: TROY (WATER ST.) FORMER MGP**Lab Number:** L2247980**Project Number:** TROY (WATER STREET)**Report Date:** 09/08/22**SAMPLE RESULTS**

Lab ID: L2247980-03
 Client ID: AREA 2 ISS SWELL 13
 Sample Location: 8000 MAIN STREET, TROY, NY 1180

Date Collected: 09/02/22 15:30
 Date Received: 09/02/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 09/07/22 12:40
 Analyst: MKS
 Percent Solids: 81%
 TCLP/SPLP Ext. Date: 09/06/22 10:05

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	--	10
Carbon tetrachloride	ND		ug/l	5.0	--	10
Tetrachloroethene	ND		ug/l	5.0	--	10
Chlorobenzene	ND		ug/l	5.0	--	10
1,2-Dichloroethane	ND		ug/l	5.0	--	10
Benzene	ND		ug/l	5.0	--	10
Vinyl chloride	ND		ug/l	10	--	10
1,1-Dichloroethene	ND		ug/l	5.0	--	10
Trichloroethene	ND		ug/l	5.0	--	10
1,4-Dichlorobenzene	ND		ug/l	25	--	10
2-Butanone	ND		ug/l	50	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	108		70-130
dibromofluoromethane	110		70-130

Project Name: TROY (WATER ST.) FORMER MGP
Project Number: TROY (WATER STREET)

Lab Number: L2247980
Report Date: 09/08/22

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8260C
 Analytical Date: 09/07/22 11:31
 Analyst: MKS
 TCLP/SPLP Extraction Date: 09/06/22 10:05

Extraction Date: 09/06/22 10:05

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Volatiles by EPA 1311 - Westborough Lab for sample(s): 01-03 Batch: WG1684928-5					
Chloroform	ND		ug/l	7.5	--
Carbon tetrachloride	ND		ug/l	5.0	--
Tetrachloroethene	ND		ug/l	5.0	--
Chlorobenzene	ND		ug/l	5.0	--
1,2-Dichloroethane	ND		ug/l	5.0	--
Benzene	ND		ug/l	5.0	--
Vinyl chloride	ND		ug/l	10	--
1,1-Dichloroethene	ND		ug/l	5.0	--
Trichloroethene	ND		ug/l	5.0	--
1,4-Dichlorobenzene	ND		ug/l	25	--
2-Butanone	ND		ug/l	50	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	111		70-130
dibromofluoromethane	111		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: TROY (WATER ST.) FORMER MGP

Lab Number: L2247980

Project Number: TROY (WATER STREET)

Report Date: 09/08/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Volatiles by EPA 1311 - Westborough Lab Associated sample(s): 01-03 Batch: WG1684928-3 WG1684928-4								
Chloroform	85		87		70-130	2		20
Carbon tetrachloride	87		90		63-132	3		20
Tetrachloroethene	99		100		70-130	1		20
Chlorobenzene	94		97		75-130	3		25
1,2-Dichloroethane	80		84		70-130	5		20
Benzene	90		92		70-130	2		25
Vinyl chloride	80		81		55-140	1		20
1,1-Dichloroethene	90		93		61-145	3		25
Trichloroethene	93		95		70-130	2		25
1,4-Dichlorobenzene	120		130		70-130	8		20
2-Butanone	76		81		63-138	6		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		101		70-130
Toluene-d8	104		104		70-130
4-Bromofluorobenzene	106		107		70-130
dibromofluoromethane	98		99		70-130

SEMIVOLATILES

Project Name: TROY (WATER ST.) FORMER MGP**Lab Number:** L2247980**Project Number:** TROY (WATER STREET)**Report Date:** 09/08/22**SAMPLE RESULTS**

Lab ID: L2247980-01
 Client ID: AREA 2 ISS SWELL 11
 Sample Location: 8000 MAIN STREET, TROY, NY 1180

Date Collected: 09/02/22 15:00
 Date Received: 09/02/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 09/07/22 01:51
 Analyst: JG
 Percent Solids: 86%
 TCLP/SPLP Ext. Date: 09/03/22 06:39

Extraction Method: EPA 3510C
 Extraction Date: 09/05/22 18:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
Hexachlorobenzene	ND		ug/l	10	--	1
2,4-Dinitrotoluene	ND		ug/l	25	--	1
Hexachlorobutadiene	ND		ug/l	10	--	1
Hexachloroethane	ND		ug/l	10	--	1
Nitrobenzene	ND		ug/l	10	--	1
2,4,6-Trichlorophenol	ND		ug/l	25	--	1
Pentachlorophenol	ND		ug/l	50	--	1
2-Methylphenol	ND		ug/l	25	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	--	1
2,4,5-Trichlorophenol	ND		ug/l	25	--	1
Pyridine	ND		ug/l	18	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		21-120
Phenol-d6	69		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	71		15-120
2,4,6-Tribromophenol	82		10-120
4-Terphenyl-d14	72		33-120

Project Name: TROY (WATER ST.) FORMER MGP**Lab Number:** L2247980**Project Number:** TROY (WATER STREET)**Report Date:** 09/08/22**SAMPLE RESULTS**

Lab ID: L2247980-02
 Client ID: AREA 2 ISS SWELL 12
 Sample Location: 8000 MAIN STREET, TROY, NY 1180

Date Collected: 09/02/22 15:15
 Date Received: 09/02/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 09/07/22 03:03
 Analyst: JG
 Percent Solids: 85%
 TCLP/SPLP Ext. Date: 09/03/22 06:39

Extraction Method: EPA 3510C
 Extraction Date: 09/05/22 18:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
Hexachlorobenzene	ND		ug/l	10	--	1
2,4-Dinitrotoluene	ND		ug/l	25	--	1
Hexachlorobutadiene	ND		ug/l	10	--	1
Hexachloroethane	ND		ug/l	10	--	1
Nitrobenzene	ND		ug/l	10	--	1
2,4,6-Trichlorophenol	ND		ug/l	25	--	1
Pentachlorophenol	ND		ug/l	50	--	1
2-Methylphenol	ND		ug/l	25	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	--	1
2,4,5-Trichlorophenol	ND		ug/l	25	--	1
Pyridine	ND		ug/l	18	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		21-120
Phenol-d6	66		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	70		15-120
2,4,6-Tribromophenol	80		10-120
4-Terphenyl-d14	70		33-120

Project Name: TROY (WATER ST.) FORMER MGP**Lab Number:** L2247980**Project Number:** TROY (WATER STREET)**Report Date:** 09/08/22**SAMPLE RESULTS**

Lab ID: L2247980-03
 Client ID: AREA 2 ISS SWELL 13
 Sample Location: 8000 MAIN STREET, TROY, NY 1180

Date Collected: 09/02/22 15:30
 Date Received: 09/02/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 09/07/22 03:27
 Analyst: JG
 Percent Solids: 81%
 TCLP/SPLP Ext. Date: 09/03/22 06:39

Extraction Method: EPA 3510C
 Extraction Date: 09/05/22 18:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
Hexachlorobenzene	ND		ug/l	10	--	1
2,4-Dinitrotoluene	ND		ug/l	25	--	1
Hexachlorobutadiene	ND		ug/l	10	--	1
Hexachloroethane	ND		ug/l	10	--	1
Nitrobenzene	ND		ug/l	10	--	1
2,4,6-Trichlorophenol	ND		ug/l	25	--	1
Pentachlorophenol	ND		ug/l	50	--	1
2-Methylphenol	ND		ug/l	25	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	--	1
2,4,5-Trichlorophenol	ND		ug/l	25	--	1
Pyridine	ND		ug/l	18	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		21-120
Phenol-d6	68		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	72		15-120
2,4,6-Tribromophenol	84		10-120
4-Terphenyl-d14	74		33-120

Project Name: TROY (WATER ST.) FORMER MGP
Project Number: TROY (WATER STREET)

Lab Number: L2247980
Report Date: 09/08/22

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 09/07/22 00:40
 Analyst: JG
 TCLP/SPLP Extraction Date: 09/03/22 06:39

Extraction Method: EPA 3510C
 Extraction Date: 09/05/22 18:07

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Semivolatiles by EPA 1311 - Westborough Lab for sample(s): 01-03 Batch: WG1683694-1					
Hexachlorobenzene	ND		ug/l	10	--
2,4-Dinitrotoluene	ND		ug/l	25	--
Hexachlorobutadiene	ND		ug/l	10	--
Hexachloroethane	ND		ug/l	10	--
Nitrobenzene	ND		ug/l	10	--
2,4,6-Trichlorophenol	ND		ug/l	25	--
Pentachlorophenol	ND		ug/l	50	--
2-Methylphenol	ND		ug/l	25	--
3-Methylphenol/4-Methylphenol	ND		ug/l	25	--
2,4,5-Trichlorophenol	ND		ug/l	25	--
Pyridine	ND		ug/l	18	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		21-120
Phenol-d6	61		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	59		15-120
2,4,6-Tribromophenol	73		10-120
4-Terphenyl-d14	70		33-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: TROY (WATER ST.) FORMER MGP

Project Number: TROY (WATER STREET)

Lab Number: L2247980

Report Date: 09/08/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Semivolatiles by EPA 1311 - Westborough Lab Associated sample(s): 01-03 Batch: WG1683694-2 WG1683694-3								
Hexachlorobenzene	65		57		40-140	13		30
2,4-Dinitrotoluene	76		69		40-132	10		30
Hexachlorobutadiene	62		54		28-111	14		30
Hexachloroethane	64		53		21-105	19		30
Nitrobenzene	76		63		40-140	19		30
2,4,6-Trichlorophenol	65		57		30-130	13		30
Pentachlorophenol	58		51		9-103	13		30
2-Methylphenol	66		56		30-130	16		30
3-Methylphenol/4-Methylphenol	66		55		30-130	18		30
2,4,5-Trichlorophenol	64		58		30-130	10		30
Pyridine	40		48		10-66	18		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	64		55		21-120
Phenol-d6	67		59		10-120
Nitrobenzene-d5	74		63		23-120
2-Fluorobiphenyl	62		56		15-120
2,4,6-Tribromophenol	70		65		10-120
4-Terphenyl-d14	63		57		33-120

PCBS

Project Name: TROY (WATER ST.) FORMER MGP
Project Number: TROY (WATER STREET)

Lab Number: L2247980
Report Date: 09/08/22

SAMPLE RESULTS

Lab ID: L2247980-01
Client ID: AREA 2 ISS SWELL 11
Sample Location: 8000 MAIN STREET, TROY, NY 1180

Date Collected: 09/02/22 15:00
Date Received: 09/02/22
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/08/22 09:34
Analyst: MEO
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 09/07/22 19:50
Cleanup Method: EPA 3665A
Cleanup Date: 09/08/22
Cleanup Method: EPA 3660B
Cleanup Date: 09/08/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		mg/kg	1.00	--	1	A
Aroclor 1221	ND		mg/kg	1.00	--	1	A
Aroclor 1232	ND		mg/kg	1.00	--	1	A
Aroclor 1242	ND		mg/kg	1.00	--	1	A
Aroclor 1248	ND		mg/kg	1.00	--	1	A
Aroclor 1254	ND		mg/kg	1.00	--	1	B
Aroclor 1260	ND		mg/kg	1.00	--	1	A
Aroclor 1262	ND		mg/kg	1.00	--	1	A
Aroclor 1268	ND		mg/kg	1.00	--	1	A
PCBs, Total	ND		mg/kg	1.00	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	36		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	61		30-150	B

Project Name: TROY (WATER ST.) FORMER MGP**Lab Number:** L2247980**Project Number:** TROY (WATER STREET)**Report Date:** 09/08/22**SAMPLE RESULTS**

Lab ID: L2247980-02
 Client ID: AREA 2 ISS SWELL 12
 Sample Location: 8000 MAIN STREET, TROY, NY 1180

Date Collected: 09/02/22 15:15
 Date Received: 09/02/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 09/06/22 19:45
 Analyst: JM
 Percent Solids: 85%

Extraction Method: EPA 3546
 Extraction Date: 09/03/22 17:51
 Cleanup Method: EPA 3665A
 Cleanup Date: 09/04/22
 Cleanup Method: EPA 3660B
 Cleanup Date: 09/04/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		mg/kg	1.00	--	1	A
Aroclor 1221	ND		mg/kg	1.00	--	1	A
Aroclor 1232	ND		mg/kg	1.00	--	1	A
Aroclor 1242	ND		mg/kg	1.00	--	1	A
Aroclor 1248	ND		mg/kg	1.00	--	1	A
Aroclor 1254	ND		mg/kg	1.00	--	1	B
Aroclor 1260	ND		mg/kg	1.00	--	1	A
Aroclor 1262	ND		mg/kg	1.00	--	1	A
Aroclor 1268	ND		mg/kg	1.00	--	1	A
PCBs, Total	ND		mg/kg	1.00	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	46		30-150	A
Decachlorobiphenyl	34		30-150	A
2,4,5,6-Tetrachloro-m-xylene	50		30-150	B
Decachlorobiphenyl	60		30-150	B

Project Name: TROY (WATER ST.) FORMER MGP**Lab Number:** L2247980**Project Number:** TROY (WATER STREET)**Report Date:** 09/08/22**SAMPLE RESULTS**

Lab ID: L2247980-03
 Client ID: AREA 2 ISS SWELL 13
 Sample Location: 8000 MAIN STREET, TROY, NY 1180

Date Collected: 09/02/22 15:30
 Date Received: 09/02/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 09/06/22 19:53
 Analyst: JM
 Percent Solids: 81%

Extraction Method: EPA 3546
 Extraction Date: 09/03/22 17:51
 Cleanup Method: EPA 3665A
 Cleanup Date: 09/04/22
 Cleanup Method: EPA 3660B
 Cleanup Date: 09/04/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		mg/kg	1.00	--	1	A
Aroclor 1221	ND		mg/kg	1.00	--	1	A
Aroclor 1232	ND		mg/kg	1.00	--	1	A
Aroclor 1242	ND		mg/kg	1.00	--	1	A
Aroclor 1248	ND		mg/kg	1.00	--	1	A
Aroclor 1254	ND		mg/kg	1.00	--	1	B
Aroclor 1260	ND		mg/kg	1.00	--	1	A
Aroclor 1262	ND		mg/kg	1.00	--	1	A
Aroclor 1268	ND		mg/kg	1.00	--	1	A
PCBs, Total	ND		mg/kg	1.00	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	42		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	81		30-150	B

Project Name: TROY (WATER ST.) FORMER MGP
Project Number: TROY (WATER STREET)

Lab Number: L2247980
Report Date: 09/08/22

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 09/04/22 20:01
 Analyst: MEO

Extraction Method: EPA 3546
 Extraction Date: 09/03/22 17:51
 Cleanup Method: EPA 3665A
 Cleanup Date: 09/04/22
 Cleanup Method: EPA 3660B
 Cleanup Date: 09/04/22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 02-03 Batch: WG1684515-1						
Aroclor 1016	ND		mg/kg	1.00	--	A
Aroclor 1221	ND		mg/kg	1.00	--	A
Aroclor 1232	ND		mg/kg	1.00	--	A
Aroclor 1242	ND		mg/kg	1.00	--	A
Aroclor 1248	ND		mg/kg	1.00	--	A
Aroclor 1254	ND		mg/kg	1.00	--	A
Aroclor 1260	ND		mg/kg	1.00	--	A
Aroclor 1262	ND		mg/kg	1.00	--	A
Aroclor 1268	ND		mg/kg	1.00	--	A
PCBs, Total	ND		mg/kg	1.00	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	67		30-150	B

Project Name: TROY (WATER ST.) FORMER MGP
Project Number: TROY (WATER STREET)

Lab Number: L2247980
Report Date: 09/08/22

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 09/08/22 09:04
 Analyst: MEO

Extraction Method: EPA 3546
 Extraction Date: 09/07/22 19:50
 Cleanup Method: EPA 3665A
 Cleanup Date: 09/08/22
 Cleanup Method: EPA 3660B
 Cleanup Date: 09/08/22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG1684644-1						
Aroclor 1016	ND		mg/kg	1.00	--	A
Aroclor 1221	ND		mg/kg	1.00	--	A
Aroclor 1232	ND		mg/kg	1.00	--	A
Aroclor 1242	ND		mg/kg	1.00	--	A
Aroclor 1248	ND		mg/kg	1.00	--	A
Aroclor 1254	ND		mg/kg	1.00	--	A
Aroclor 1260	ND		mg/kg	1.00	--	A
Aroclor 1262	ND		mg/kg	1.00	--	A
Aroclor 1268	ND		mg/kg	1.00	--	A
PCBs, Total	ND		mg/kg	1.00	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	59		30-150	B

Lab Control Sample Analysis**Batch Quality Control****Project Name:** TROY (WATER ST.) FORMER MGP**Lab Number:** L2247980**Project Number:** TROY (WATER STREET)**Report Date:** 09/08/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 02-03 Batch: WG1684515-2 WG1684515-3									
Aroclor 1016	56		63		40-140	12		50	A
Aroclor 1260	45		52		40-140	14		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		63		30-150	A
Decachlorobiphenyl	52		58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		64		30-150	B
Decachlorobiphenyl	54		57		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: TROY (WATER ST.) FORMER MGP

Lab Number: L2247980

Project Number: TROY (WATER STREET)

Report Date: 09/08/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG1684644-2 WG1684644-3									
Aroclor 1016	85		83		40-140	2		50	A
Aroclor 1260	76		78		40-140	3		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		77		30-150	A
Decachlorobiphenyl	69		71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	88		93		30-150	B
Decachlorobiphenyl	67		70		30-150	B

PESTICIDES

Project Name: TROY (WATER ST.) FORMER MGP**Lab Number:** L2247980**Project Number:** TROY (WATER STREET)**Report Date:** 09/08/22**SAMPLE RESULTS**

Lab ID: L2247980-01
 Client ID: AREA 2 ISS SWELL 11
 Sample Location: 8000 MAIN STREET, TROY, NY 1180

Date Collected: 09/02/22 15:00
 Date Received: 09/02/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 09/06/22 06:24
 Analyst: MMG
 Percent Solids: 86%
 TCLP/SPLP Ext. Date: 09/03/22 06:39

Extraction Method: EPA 3510C
 Extraction Date: 09/05/22 19:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Pesticides by EPA 1311 - Westborough Lab							
Lindane	ND		ug/l	0.100	--	1	A
Heptachlor	ND		ug/l	0.100	--	1	A
Heptachlor epoxide	ND		ug/l	0.100	--	1	A
Endrin	ND		ug/l	0.200	--	1	A
Methoxychlor	ND		ug/l	1.00	--	1	A
Toxaphene	ND		ug/l	1.00	--	1	A
Chlordane	ND		ug/l	1.00	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	132		30-150	A
Decachlorobiphenyl	158	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	120		30-150	B
Decachlorobiphenyl	112		30-150	B

Project Name: TROY (WATER ST.) FORMER MGP**Lab Number:** L2247980**Project Number:** TROY (WATER STREET)**Report Date:** 09/08/22**SAMPLE RESULTS**

Lab ID: L2247980-01
 Client ID: AREA 2 ISS SWELL 11
 Sample Location: 8000 MAIN STREET, TROY, NY 1180

Date Collected: 09/02/22 15:00
 Date Received: 09/02/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8151A
 Analytical Date: 09/05/22 14:17
 Analyst: AKM
 Percent Solids: 86%
 TCLP/SPLP Ext. Date: 09/03/22 06:39
 Methylation Date: 09/04/22 23:25

Extraction Method: EPA 8151A
 Extraction Date: 09/04/22 09:20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Herbicides by EPA 1311 - Westborough Lab							
2,4-D	ND		mg/l	0.025	--	1	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	54		30-150	A
DCAA	42		30-150	B

Project Name: TROY (WATER ST.) FORMER MGP**Lab Number:** L2247980**Project Number:** TROY (WATER STREET)**Report Date:** 09/08/22**SAMPLE RESULTS**

Lab ID: L2247980-02
 Client ID: AREA 2 ISS SWELL 12
 Sample Location: 8000 MAIN STREET, TROY, NY 1180

Date Collected: 09/02/22 15:15
 Date Received: 09/02/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 09/06/22 06:36
 Analyst: MMG
 Percent Solids: 85%
 TCLP/SPLP Ext. Date: 09/03/22 06:39

Extraction Method: EPA 3510C
 Extraction Date: 09/05/22 19:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Pesticides by EPA 1311 - Westborough Lab							
Lindane	ND		ug/l	0.100	--	1	A
Heptachlor	ND		ug/l	0.100	--	1	A
Heptachlor epoxide	ND		ug/l	0.100	--	1	A
Endrin	ND		ug/l	0.200	--	1	A
Methoxychlor	ND		ug/l	1.00	--	1	A
Toxaphene	ND		ug/l	1.00	--	1	A
Chlordane	ND		ug/l	1.00	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	119		30-150	A
Decachlorobiphenyl	138		30-150	A
2,4,5,6-Tetrachloro-m-xylene	112		30-150	B
Decachlorobiphenyl	100		30-150	B

Project Name: TROY (WATER ST.) FORMER MGP**Lab Number:** L2247980**Project Number:** TROY (WATER STREET)**Report Date:** 09/08/22**SAMPLE RESULTS**

Lab ID: L2247980-02
 Client ID: AREA 2 ISS SWELL 12
 Sample Location: 8000 MAIN STREET, TROY, NY 1180

Date Collected: 09/02/22 15:15
 Date Received: 09/02/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8151A
 Analytical Date: 09/05/22 14:36
 Analyst: AKM
 Percent Solids: 85%
 TCLP/SPLP Ext. Date: 09/03/22 06:39
 Methylation Date: 09/04/22 23:25

Extraction Method: EPA 8151A
 Extraction Date: 09/04/22 09:20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Herbicides by EPA 1311 - Westborough Lab							
2,4-D	ND		mg/l	0.025	--	1	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	49		30-150	A
DCAA	39		30-150	B

Project Name: TROY (WATER ST.) FORMER MGP**Lab Number:** L2247980**Project Number:** TROY (WATER STREET)**Report Date:** 09/08/22**SAMPLE RESULTS**

Lab ID: L2247980-03
 Client ID: AREA 2 ISS SWELL 13
 Sample Location: 8000 MAIN STREET, TROY, NY 1180

Date Collected: 09/02/22 15:30
 Date Received: 09/02/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 09/06/22 06:49
 Analyst: MMG
 Percent Solids: 81%
 TCLP/SPLP Ext. Date: 09/03/22 06:39

Extraction Method: EPA 3510C
 Extraction Date: 09/05/22 19:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Pesticides by EPA 1311 - Westborough Lab							
Lindane	ND		ug/l	0.100	--	1	A
Heptachlor	ND		ug/l	0.100	--	1	A
Heptachlor epoxide	ND		ug/l	0.100	--	1	A
Endrin	ND		ug/l	0.200	--	1	A
Methoxychlor	ND		ug/l	1.00	--	1	A
Toxaphene	ND		ug/l	1.00	--	1	A
Chlordane	ND		ug/l	1.00	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	147		30-150	A
Decachlorobiphenyl	169	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	122		30-150	B
Decachlorobiphenyl	111		30-150	B

Project Name: TROY (WATER ST.) FORMER MGP**Lab Number:** L2247980**Project Number:** TROY (WATER STREET)**Report Date:** 09/08/22**SAMPLE RESULTS**

Lab ID: L2247980-03
 Client ID: AREA 2 ISS SWELL 13
 Sample Location: 8000 MAIN STREET, TROY, NY 1180

Date Collected: 09/02/22 15:30
 Date Received: 09/02/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8151A
 Analytical Date: 09/05/22 14:54
 Analyst: AKM
 Percent Solids: 81%
 TCLP/SPLP Ext. Date: 09/03/22 06:39
 Methylation Date: 09/04/22 23:25

Extraction Method: EPA 8151A
 Extraction Date: 09/04/22 09:20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Herbicides by EPA 1311 - Westborough Lab							
2,4-D	ND		mg/l	0.025	--	1	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	50		30-150	A
DCAA	40		30-150	B

Project Name: TROY (WATER ST.) FORMER MGP**Lab Number:** L2247980**Project Number:** TROY (WATER STREET)**Report Date:** 09/08/22**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8151A
 Analytical Date: 09/05/22 13:04
 Analyst: AKM
 TCLP/SPLP Extraction Date: 09/03/22 06:39
 Methylation Date: 09/04/22 23:25

Extraction Method: EPA 8151A
 Extraction Date: 09/04/22 09:20

Parameter	Result	Qualifier	Units	RL	MDL	Column
TCLP Herbicides by EPA 1311 - Westborough Lab for sample(s): 01-03 Batch: WG1683421-1						
2,4-D	ND		mg/l	0.025	--	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	53		30-150	A
DCAA	44		30-150	B

Project Name: TROY (WATER ST.) FORMER MGP
Project Number: TROY (WATER STREET)

Lab Number: L2247980
Report Date: 09/08/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 09/06/22 05:46
 Analyst: MMG
 TCLP/SPLP Extraction Date: 09/03/22 06:39

Extraction Method: EPA 3510C
 Extraction Date: 09/05/22 19:37

Parameter	Result	Qualifier	Units	RL	MDL	Column
TCLP Pesticides by EPA 1311 - Westborough Lab for sample(s): 01-03 Batch: WG1683699-1						
Lindane	ND		ug/l	0.100	--	A
Heptachlor	ND		ug/l	0.100	--	A
Heptachlor epoxide	ND		ug/l	0.100	--	A
Endrin	ND		ug/l	0.200	--	A
Methoxychlor	ND		ug/l	1.00	--	A
Toxaphene	ND		ug/l	1.00	--	A
Chlordane	ND		ug/l	1.00	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	112		30-150	A
Decachlorobiphenyl	104		30-150	A
2,4,5,6-Tetrachloro-m-xylene	114		30-150	B
Decachlorobiphenyl	76		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: TROY (WATER ST.) FORMER MGP

Lab Number: L2247980

Project Number: TROY (WATER STREET)

Report Date: 09/08/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
TCLP Herbicides by EPA 1311 - Westborough Lab Associated sample(s): 01-03 Batch: WG1683421-2 WG1683421-3									
2,4-D	129		131		30-150	2		25	A
2,4,5-TP (Silvex)	50		51		30-150	2		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	60		57		30-150	A
DCAA	50		46		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: TROY (WATER ST.) FORMER MGP

Lab Number: L2247980

Project Number: TROY (WATER STREET)

Report Date: 09/08/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
TCLP Pesticides by EPA 1311 - Westborough Lab Associated sample(s): 01-03 Batch: WG1683699-2 WG1683699-3									
Lindane	157	Q	114		30-150	32	Q	20	A
Heptachlor	150		110		30-150	31	Q	20	A
Heptachlor epoxide	148		109		30-150	30	Q	20	A
Endrin	147		108		30-150	31	Q	20	A
Methoxychlor	128		93		30-150	32	Q	20	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	142		108		30-150	A
Decachlorobiphenyl	122		98		30-150	A
2,4,5,6-Tetrachloro-m-xylene	139		109		30-150	B
Decachlorobiphenyl	85		71		30-150	B

METALS

Project Name: TROY (WATER ST.) FORMER MGP**Lab Number:** L2247980**Project Number:** TROY (WATER STREET)**Report Date:** 09/08/22**SAMPLE RESULTS**

Lab ID: L2247980-01

Date Collected: 09/02/22 15:00

Client ID: AREA 2 ISS SWELL 11

Date Received: 09/02/22

Sample Location: 8000 MAIN STREET, TROY, NY 1180

Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 09/03/22 06:39

Matrix: Soil

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	--	1	09/06/22 12:30	09/08/22 00:29	EPA 3015	1,6010D	DL
Barium, TCLP	1.21		mg/l	0.500	--	1	09/06/22 12:30	09/08/22 00:29	EPA 3015	1,6010D	DL
Cadmium, TCLP	ND		mg/l	0.100	--	1	09/06/22 12:30	09/08/22 00:29	EPA 3015	1,6010D	DL
Chromium, TCLP	ND		mg/l	0.200	--	1	09/06/22 12:30	09/08/22 00:29	EPA 3015	1,6010D	DL
Lead, TCLP	ND		mg/l	0.500	--	1	09/06/22 12:30	09/08/22 00:29	EPA 3015	1,6010D	DL
Mercury, TCLP	ND		mg/l	0.0010	--	1	09/06/22 13:05	09/07/22 11:40	EPA 7470A	1,7470A	DMB
Selenium, TCLP	ND		mg/l	0.500	--	1	09/06/22 12:30	09/08/22 00:29	EPA 3015	1,6010D	DL
Silver, TCLP	ND		mg/l	0.100	--	1	09/06/22 12:30	09/08/22 00:29	EPA 3015	1,6010D	DL



Project Name: TROY (WATER ST.) FORMER MGP**Lab Number:** L2247980**Project Number:** TROY (WATER STREET)**Report Date:** 09/08/22**SAMPLE RESULTS**

Lab ID: L2247980-02

Date Collected: 09/02/22 15:15

Client ID: AREA 2 ISS SWELL 12

Date Received: 09/02/22

Sample Location: 8000 MAIN STREET, TROY, NY 1180

Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 09/03/22 06:39

Matrix: Soil

Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	--	1	09/06/22 12:30	09/08/22 00:19	EPA 3015	1,6010D	DL
Barium, TCLP	1.23		mg/l	0.500	--	1	09/06/22 12:30	09/08/22 00:19	EPA 3015	1,6010D	DL
Cadmium, TCLP	ND		mg/l	0.100	--	1	09/06/22 12:30	09/08/22 00:19	EPA 3015	1,6010D	DL
Chromium, TCLP	ND		mg/l	0.200	--	1	09/06/22 12:30	09/08/22 00:19	EPA 3015	1,6010D	DL
Lead, TCLP	ND		mg/l	0.500	--	1	09/06/22 12:30	09/08/22 00:19	EPA 3015	1,6010D	DL
Mercury, TCLP	ND		mg/l	0.0010	--	1	09/06/22 13:05	09/07/22 11:50	EPA 7470A	1,7470A	DMB
Selenium, TCLP	ND		mg/l	0.500	--	1	09/06/22 12:30	09/08/22 00:19	EPA 3015	1,6010D	DL
Silver, TCLP	ND		mg/l	0.100	--	1	09/06/22 12:30	09/08/22 00:19	EPA 3015	1,6010D	DL



Project Name: TROY (WATER ST.) FORMER MGP**Lab Number:** L2247980**Project Number:** TROY (WATER STREET)**Report Date:** 09/08/22**SAMPLE RESULTS**

Lab ID: L2247980-03

Date Collected: 09/02/22 15:30

Client ID: AREA 2 ISS SWELL 13

Date Received: 09/02/22

Sample Location: 8000 MAIN STREET, TROY, NY 1180

Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 09/03/22 06:39

Matrix: Soil

Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	--	1	09/06/22 12:30	09/08/22 00:24	EPA 3015	1,6010D	DL
Barium, TCLP	1.23		mg/l	0.500	--	1	09/06/22 12:30	09/08/22 00:24	EPA 3015	1,6010D	DL
Cadmium, TCLP	ND		mg/l	0.100	--	1	09/06/22 12:30	09/08/22 00:24	EPA 3015	1,6010D	DL
Chromium, TCLP	ND		mg/l	0.200	--	1	09/06/22 12:30	09/08/22 00:24	EPA 3015	1,6010D	DL
Lead, TCLP	ND		mg/l	0.500	--	1	09/06/22 12:30	09/08/22 00:24	EPA 3015	1,6010D	DL
Mercury, TCLP	ND		mg/l	0.0010	--	1	09/06/22 13:05	09/07/22 11:53	EPA 7470A	1,7470A	DMB
Selenium, TCLP	ND		mg/l	0.500	--	1	09/06/22 12:30	09/08/22 00:24	EPA 3015	1,6010D	DL
Silver, TCLP	ND		mg/l	0.100	--	1	09/06/22 12:30	09/08/22 00:24	EPA 3015	1,6010D	DL



Project Name: TROY (WATER ST.) FORMER MGP

Lab Number: L2247980

Project Number: TROY (WATER STREET)

Report Date: 09/08/22

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01-03 Batch: WG1683882-1										
Arsenic, TCLP	ND		mg/l	1.00	--	1	09/06/22 12:30	09/08/22 00:06	1,6010D	DL
Barium, TCLP	ND		mg/l	0.500	--	1	09/06/22 12:30	09/08/22 00:06	1,6010D	DL
Cadmium, TCLP	ND		mg/l	0.100	--	1	09/06/22 12:30	09/08/22 00:06	1,6010D	DL
Chromium, TCLP	ND		mg/l	0.200	--	1	09/06/22 12:30	09/08/22 00:06	1,6010D	DL
Lead, TCLP	ND		mg/l	0.500	--	1	09/06/22 12:30	09/08/22 00:06	1,6010D	DL
Selenium, TCLP	ND		mg/l	0.500	--	1	09/06/22 12:30	09/08/22 00:06	1,6010D	DL
Silver, TCLP	ND		mg/l	0.100	--	1	09/06/22 12:30	09/08/22 00:06	1,6010D	DL

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 09/03/22 06:39

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01-03 Batch: WG1683883-1										
Mercury, TCLP	ND		mg/l	0.0010	--	1	09/06/22 13:05	09/07/22 11:26	1,7470A	DMB

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 09/03/22 06:39

Lab Control Sample Analysis**Batch Quality Control****Project Name:** TROY (WATER ST.) FORMER MGP**Lab Number:** L2247980**Project Number:** TROY (WATER STREET)**Report Date:** 09/08/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-03 Batch: WG1683882-2								
Arsenic, TCLP	98		-		75-125	-		20
Barium, TCLP	99		-		75-125	-		20
Cadmium, TCLP	98		-		75-125	-		20
Chromium, TCLP	99		-		75-125	-		20
Lead, TCLP	93		-		75-125	-		20
Selenium, TCLP	98		-		75-125	-		20
Silver, TCLP	98		-		75-125	-		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-03 Batch: WG1683883-2								
Mercury, TCLP	91		-		80-120	-		

Matrix Spike Analysis **Batch Quality Control**

Project Name: TROY (WATER ST.) FORMER MGP
Project Number: TROY (WATER STREET)

Lab Number: L2247980
Report Date: 09/08/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1683882-3 QC Sample: L2247980-01 Client ID: AREA 2 ISS SWELL 11												
Arsenic, TCLP	ND	1.2	1.21	101		-	-		75-125	-		20
Barium, TCLP	1.21	20	20.8	98		-	-		75-125	-		20
Cadmium, TCLP	ND	0.53	0.506	95		-	-		75-125	-		20
Chromium, TCLP	ND	2	1.95	98		-	-		75-125	-		20
Lead, TCLP	ND	5.3	4.77	90		-	-		75-125	-		20
Selenium, TCLP	ND	1.2	1.13	94		-	-		75-125	-		20
Silver, TCLP	ND	0.5	0.496	99		-	-		75-125	-		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1683883-3 QC Sample: L2247980-01 Client ID: AREA 2 ISS SWELL 11												
Mercury, TCLP	ND	0.025	0.0229	92		-	-		80-120	-		20

Project Name: TROY (WATER ST.) FORMER MGP
Project Number: TROY (WATER STREET)

Lab Duplicate Analysis

Batch Quality Control

Lab Number: L2247980
Report Date: 09/08/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1683882-4 QC Sample: L2247980-01 Client ID: AREA 2 ISS SWELL 11						
Arsenic, TCLP	ND	ND	mg/l	NC		20
Barium, TCLP	1.21	1.19	mg/l	2		20
Cadmium, TCLP	ND	ND	mg/l	NC		20
Chromium, TCLP	ND	ND	mg/l	NC		20
Lead, TCLP	ND	ND	mg/l	NC		20
Selenium, TCLP	ND	ND	mg/l	NC		20
Silver, TCLP	ND	ND	mg/l	NC		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1683883-4 QC Sample: L2247980-01 Client ID: AREA 2 ISS SWELL 11						
Mercury, TCLP	ND	ND	mg/l	NC		20

INORGANICS & MISCELLANEOUS

Project Name: TROY (WATER ST.) FORMER MGP
Project Number: TROY (WATER STREET)

Lab Number: L2247980
Report Date: 09/08/22

SAMPLE RESULTS

Lab ID: L2247980-01
Client ID: AREA 2 ISS SWELL 11
Sample Location: 8000 MAIN STREET, TROY, NY 1180

Date Collected: 09/02/22 15:00
Date Received: 09/02/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material: Unknown
Description of Material: Non-Metallic - Damp Soil
Particle Size: Medium
Preliminary Burning Time (sec): 120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/08/22 09:06	1,1030	MJ



Project Name: TROY (WATER ST.) FORMER MGP
Project Number: TROY (WATER STREET)

Lab Number: L2247980
Report Date: 09/08/22

SAMPLE RESULTS

Lab ID: L2247980-02
Client ID: AREA 2 ISS SWELL 12
Sample Location: 8000 MAIN STREET, TROY, NY 1180

Date Collected: 09/02/22 15:15
Date Received: 09/02/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material: Unknown
Description of Material: Non-Metallic - Damp Soil
Particle Size: Medium
Preliminary Burning Time (sec): 120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/08/22 09:06	1,1030	MJ



Project Name: TROY (WATER ST.) FORMER MGP
Project Number: TROY (WATER STREET)

Lab Number: L2247980
Report Date: 09/08/22

SAMPLE RESULTS

Lab ID: L2247980-03
Client ID: AREA 2 ISS SWELL 13
Sample Location: 8000 MAIN STREET, TROY, NY 1180

Date Collected: 09/02/22 15:30
Date Received: 09/02/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material: Unknown
Description of Material: Non-Metallic - Damp Soil
Particle Size: Medium
Preliminary Burning Time (sec): 120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/08/22 09:06	1,1030	MJ



Project Name: TROY (WATER ST.) FORMER MGP
Project Number: TROY (WATER STREET)

Lab Number: L2247980
Report Date: 09/08/22

SAMPLE RESULTS

Lab ID: L2247980-01
Client ID: AREA 2 ISS SWELL 11
Sample Location: 8000 MAIN STREET, TROY, NY 1180

Date Collected: 09/02/22 15:00
Date Received: 09/02/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.8		%	0.100	NA	1	-	09/03/22 08:29	121,2540G	RI
pH (H)	11.6		SU	-	NA	1	-	09/06/22 04:56	1,9045D	GB
Cyanide, Reactive	ND		mg/kg	10	--	1	09/03/22 12:55	09/03/22 15:01	125,7.3	MJ
Sulfide, Reactive	ND		mg/kg	10	--	1	09/03/22 12:55	09/03/22 14:30	125,7.3	MJ
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	09/06/22 16:46	1,9095B	AS



Project Name: TROY (WATER ST.) FORMER MGP
Project Number: TROY (WATER STREET)

Lab Number: L2247980
Report Date: 09/08/22

SAMPLE RESULTS

Lab ID: L2247980-02
Client ID: AREA 2 ISS SWELL 12
Sample Location: 8000 MAIN STREET, TROY, NY 1180

Date Collected: 09/02/22 15:15
Date Received: 09/02/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.5		%	0.100	NA	1	-	09/03/22 08:29	121,2540G	RI
pH (H)	11.7		SU	-	NA	1	-	09/06/22 04:56	1,9045D	GB
Cyanide, Reactive	ND		mg/kg	10	--	1	09/03/22 12:55	09/03/22 15:02	125,7.3	MJ
Sulfide, Reactive	ND		mg/kg	10	--	1	09/03/22 12:55	09/03/22 14:30	125,7.3	MJ
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	09/06/22 16:46	1,9095B	AS



Project Name: TROY (WATER ST.) FORMER MGP
Project Number: TROY (WATER STREET)

Lab Number: L2247980
Report Date: 09/08/22

SAMPLE RESULTS

Lab ID: L2247980-03
Client ID: AREA 2 ISS SWELL 13
Sample Location: 8000 MAIN STREET, TROY, NY 1180

Date Collected: 09/02/22 15:30
Date Received: 09/02/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.2		%	0.100	NA	1	-	09/03/22 08:29	121,2540G	RI
pH (H)	11.8		SU	-	NA	1	-	09/06/22 04:56	1,9045D	GB
Cyanide, Reactive	ND		mg/kg	10	--	1	09/03/22 12:55	09/03/22 15:02	125,7.3	MJ
Sulfide, Reactive	ND		mg/kg	10	--	1	09/03/22 12:55	09/03/22 14:30	125,7.3	MJ
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	09/06/22 16:46	1,9095B	AS



Project Name: TROY (WATER ST.) FORMER MGP**Lab Number:** L2247980**Project Number:** TROY (WATER STREET)**Report Date:** 09/08/22

Method Blank Analysis

Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-03 Batch: WG1683268-1										
Sulfide, Reactive	ND		mg/kg	10	--	1	09/03/22 12:55	09/03/22 14:20	125,7.3	MJ
General Chemistry - Westborough Lab for sample(s): 01-03 Batch: WG1683270-1										
Cyanide, Reactive	ND		mg/kg	10	--	1	09/03/22 12:55	09/03/22 14:51	125,7.3	MJ

Lab Control Sample Analysis**Batch Quality Control****Project Name:** TROY (WATER ST.) FORMER MGP**Lab Number:** L2247980**Project Number:** TROY (WATER STREET)**Report Date:** 09/08/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG1683268-2								
Sulfide, Reactive	109		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG1683270-2								
Cyanide, Reactive	60		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG1683722-1								
pH	100		-		99-101	-		

Project Name: TROY (WATER ST.) FORMER MGP
Project Number: TROY (WATER STREET)

Lab Duplicate Analysis
Batch Quality Control

Lab Number: L2247980
Report Date: 09/08/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1683203-1 QC Sample: L2247895-02 Client ID: DUP Sample						
Solids, Total	94.7	94.6	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1683268-3 QC Sample: L2247718-01 Client ID: DUP Sample						
Sulfide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1683270-3 QC Sample: L2247718-01 Client ID: DUP Sample						
Cyanide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1683722-2 QC Sample: L2247783-01 Client ID: DUP Sample						
pH	7.0	7.1	SU	1		5

Project Name: TROY (WATER ST.) FORMER MGP**Lab Number:** L2247980**Project Number:** TROY (WATER STREET)**Report Date:** 09/08/22**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2247980-01A	Plastic 2oz unpreserved for TS	A	NA		2.6	Y	Absent		TS(7)
L2247980-01B	Glass 120ml/4oz unpreserved	A	NA		2.6	Y	Absent		IGNIT-1030(14),REACTS(14),PH-9045(1),PAINTF(),NYTCL-8082(365),REACTCN(14)
L2247980-01C	Vial Large Septa unpreserved (4oz)	A	NA		2.6	Y	Absent		TCLP-EXT-ZHE(14)
L2247980-01D	Glass 500ml/16oz unpreserved	A	NA		2.6	Y	Absent		IGNIT-1030(14),REACTS(14),PH-9045(1),PAINTF(),NYTCL-8082(365),REACTCN(14)
L2247980-01W	Plastic 120ml HNO3 preserved Extracts	A	NA		2.6	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L2247980-01X	Amber 1000ml unpreserved Extracts	A	NA		2.6	Y	Absent		TCLP-8270(14),PEST-TCLP*(14),HERB-TCLP*(14)
L2247980-01X9	Tumble Vessel	A	NA		2.6	Y	Absent		-
L2247980-01Y	Vial unpreserved Extracts	A	NA		2.6	Y	Absent		TCLP-VOA(14)
L2247980-01Z	Vial unpreserved Extracts	A	NA		2.6	Y	Absent		TCLP-VOA(14)
L2247980-02A	Plastic 2oz unpreserved for TS	A	NA		2.6	Y	Absent		TS(7)
L2247980-02B	Glass 120ml/4oz unpreserved	A	NA		2.6	Y	Absent		IGNIT-1030(14),REACTS(14),PH-9045(1),PAINTF(),REACTCN(14),NYTCL-8082(365)
L2247980-02C	Vial Large Septa unpreserved (4oz)	A	NA		2.6	Y	Absent		TCLP-EXT-ZHE(14)
L2247980-02D	Glass 500ml/16oz unpreserved	A	NA		2.6	Y	Absent		IGNIT-1030(14),REACTS(14),PH-9045(1),PAINTF(),REACTCN(14),NYTCL-8082(365)
L2247980-02W	Plastic 120ml HNO3 preserved Extracts	A	NA		2.6	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),SE-CI(180),CR-CI(180),AG-CI(180)
L2247980-02X	Amber 1000ml unpreserved Extracts	A	NA		2.6	Y	Absent		TCLP-8270(14),HERB-TCLP*(14),PEST-TCLP*(14)
L2247980-02X9	Tumble Vessel	A	NA		2.6	Y	Absent		-
L2247980-02Y	Vial unpreserved Extracts	A	NA		2.6	Y	Absent		TCLP-VOA(14)

Project Name: TROY (WATER ST.) FORMER MGP**Lab Number:** L2247980**Project Number:** TROY (WATER STREET)**Report Date:** 09/08/22**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2247980-02Z	Vial unpreserved Extracts	A	NA		2.6	Y	Absent		TCLP-VOA(14)
L2247980-03A	Plastic 2oz unpreserved for TS	A	NA		2.6	Y	Absent		TS(7)
L2247980-03B	Glass 120ml/4oz unpreserved	A	NA		2.6	Y	Absent		IGNIT-1030(14),REACTS(14),PH-9045(1),PAINTF(),REACTCN(14),NYTCL-8082(365)
L2247980-03C	Vial Large Septa unpreserved (4oz)	A	NA		2.6	Y	Absent		TCLP-EXT-ZHE(14)
L2247980-03D	Glass 500ml/16oz unpreserved	A	NA		2.6	Y	Absent		IGNIT-1030(14),REACTS(14),PH-9045(1),PAINTF(),REACTCN(14),NYTCL-8082(365)
L2247980-03W	Plastic 120ml HNO3 preserved Extracts	A	NA		2.6	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L2247980-03X	Amber 1000ml unpreserved Extracts	A	NA		2.6	Y	Absent		TCLP-8270(14),HERB-TCLP*(14),PEST-TCLP*(14)
L2247980-03X9	Tumble Vessel	A	NA		2.6	Y	Absent		-
L2247980-03Y	Vial unpreserved Extracts	A	NA		2.6	Y	Absent		TCLP-VOA(14)
L2247980-03Z	Vial unpreserved Extracts	A	NA		2.6	Y	Absent		TCLP-VOA(14)

Project Name: TROY (WATER ST.) FORMER MGP
Project Number: TROY (WATER STREET)

Lab Number: L2247980
Report Date: 09/08/22

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: Data Usability Report



Project Name: TROY (WATER ST.) FORMER MGP
Project Number: TROY (WATER STREET)

Lab Number: L2247980
Report Date: 09/08/22

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

Report Format: Data Usability Report



Project Name: TROY (WATER ST.) FORMER MGP
Project Number: TROY (WATER STREET)

Lab Number: L2247980
Report Date: 09/08/22

Data Qualifiers

- ND** - Not detected at the reporting limit (RL) for the sample.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: TROY (WATER ST.) FORMER MGP
Project Number: TROY (WATER STREET)

Lab Number: L2247980
Report Date: 09/08/22

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.
- 125 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates IIIA, April 1998.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility

EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene

EPA 625/625.1: alpha-Terpineol

EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

EPA 8270D/8270E: NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.

Mansfield Facility

SM 2540D: TSS

EPA 8082A: NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water

EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B

EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,**

SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.

EPA 624.1: Volatile Halocarbons & Aromatics,

EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water

EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.**

EPA 522, EPA 537.1.

Non-Potable Water

EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

EPA 245.1 Hg.

SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.



ANALYTICAL REPORT

Lab Number:	L2251269
Client:	Land Remediation, Inc. 74 Hudson River Road Waterford, NY 12188
ATTN:	Jonathan Borrelli
Phone:	(203) 233-4100
Project Name:	TROY (WATER ST.) FORMER MGP
Project Number:	TROY (WATER STREET)
Report Date:	09/26/22

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: TROY (WATER ST.) FORMER MGP
Project Number: TROY (WATER STREET)

Lab Number: L2251269
Report Date: 09/26/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2251269-01	STOCKPILE 1	SOIL	8000 MAIN STREET, TROY, NY	09/19/22 16:00	09/19/22
L2251269-02	STOCKPILE 2	SOIL	8000 MAIN STREET, TROY, NY	09/19/22 16:15	09/19/22

Project Name: TROY (WATER ST.) FORMER MGP
Project Number: TROY (WATER STREET)

Lab Number: L2251269
Report Date: 09/26/22

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: TROY (WATER ST.) FORMER MGP
Project Number: TROY (WATER STREET)

Lab Number: L2251269
Report Date: 09/26/22

Case Narrative (continued)

Report Submission

September 26, 2022: This final report includes the results of all requested analyses.

September 23, 2022: This is a preliminary report.

September 22, 2022: This is a preliminary report.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:

Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative

Date: 09/26/22

ORGANICS

VOLATILES

Project Name: TROY (WATER ST.) FORMER MGP**Lab Number:** L2251269**Project Number:** TROY (WATER STREET)**Report Date:** 09/26/22**SAMPLE RESULTS**

Lab ID: L2251269-01
 Client ID: STOCKPILE 1
 Sample Location: 8000 MAIN STREET, TROY, NY

Date Collected: 09/19/22 16:00
 Date Received: 09/19/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 09/22/22 07:22
 Analyst: MM
 Percent Solids: 78%
 TCLP/SPLP Ext. Date: 09/21/22 12:05

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	--	10
Carbon tetrachloride	ND		ug/l	5.0	--	10
Tetrachloroethene	ND		ug/l	5.0	--	10
Chlorobenzene	ND		ug/l	5.0	--	10
1,2-Dichloroethane	ND		ug/l	5.0	--	10
Benzene	ND		ug/l	5.0	--	10
Vinyl chloride	ND		ug/l	10	--	10
1,1-Dichloroethene	ND		ug/l	5.0	--	10
Trichloroethene	ND		ug/l	5.0	--	10
1,4-Dichlorobenzene	ND		ug/l	25	--	10
2-Butanone	ND		ug/l	50	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	98		70-130
dibromofluoromethane	113		70-130

Project Name: TROY (WATER ST.) FORMER MGP
Project Number: TROY (WATER STREET)

Lab Number: L2251269
Report Date: 09/26/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/22/22 06:58
 Analyst: MM
 TCLP/SPLP Extraction Date: 09/21/22 12:05

Extraction Date: 09/21/22 12:05

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Volatiles by EPA 1311 - Westborough Lab for sample(s): 01 Batch: WG1690682-5					
Chloroform	ND		ug/l	7.5	--
Carbon tetrachloride	ND		ug/l	5.0	--
Tetrachloroethene	ND		ug/l	5.0	--
Chlorobenzene	ND		ug/l	5.0	--
1,2-Dichloroethane	ND		ug/l	5.0	--
Benzene	ND		ug/l	5.0	--
Vinyl chloride	ND		ug/l	10	--
1,1-Dichloroethene	ND		ug/l	5.0	--
Trichloroethene	ND		ug/l	5.0	--
1,4-Dichlorobenzene	ND		ug/l	25	--
2-Butanone	ND		ug/l	50	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	101		70-130
dibromofluoromethane	115		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: TROY (WATER ST.) FORMER MGP

Lab Number: L2251269

Project Number: TROY (WATER STREET)

Report Date: 09/26/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Volatiles by EPA 1311 - Westborough Lab Associated sample(s): 01 Batch: WG1690682-3 WG1690682-4								
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	100		110		63-132	10		20
Tetrachloroethene	98		94		70-130	4		20
Chlorobenzene	94		96		75-130	2		25
1,2-Dichloroethane	91		92		70-130	1		20
Benzene	98		97		70-130	1		25
Vinyl chloride	97		96		55-140	1		20
1,1-Dichloroethene	100		100		61-145	0		25
Trichloroethene	99		99		70-130	0		25
1,4-Dichlorobenzene	94		94		70-130	0		20
2-Butanone	69		68		63-138	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		96		70-130
Toluene-d8	98		97		70-130
4-Bromofluorobenzene	97		97		70-130
dibromofluoromethane	104		105		70-130

SEMIVOLATILES

Project Name: TROY (WATER ST.) FORMER MGP
Project Number: TROY (WATER STREET)

Lab Number: L2251269
Report Date: 09/26/22

SAMPLE RESULTS

Lab ID: L2251269-01
Client ID: STOCKPILE 1
Sample Location: 8000 MAIN STREET, TROY, NY

Date Collected: 09/19/22 16:00
Date Received: 09/19/22
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/23/22 12:15
Analyst: WR
Percent Solids: 78%
TCLP/SPLP Ext. Date: 09/21/22 09:30

Extraction Method: EPA 3510C
Extraction Date: 09/22/22 09:02

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
Hexachlorobenzene	ND		ug/l	10	--	1
2,4-Dinitrotoluene	ND		ug/l	25	--	1
Hexachlorobutadiene	ND		ug/l	10	--	1
Hexachloroethane	ND		ug/l	10	--	1
Nitrobenzene	ND		ug/l	10	--	1
2,4,6-Trichlorophenol	ND		ug/l	25	--	1
Pentachlorophenol	ND		ug/l	50	--	1
2-Methylphenol	ND		ug/l	25	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	--	1
2,4,5-Trichlorophenol	ND		ug/l	25	--	1
Pyridine	ND		ug/l	18	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	85		21-120
Phenol-d6	76		10-120
Nitrobenzene-d5	94		23-120
2-Fluorobiphenyl	87		15-120
2,4,6-Tribromophenol	104		10-120
4-Terphenyl-d14	87		33-120

Project Name: TROY (WATER ST.) FORMER MGP
Project Number: TROY (WATER STREET)

Lab Number: L2251269
Report Date: 09/26/22

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 09/23/22 09:51
 Analyst: WR
 TCLP/SPLP Extraction Date: 09/21/22 09:30

Extraction Method: EPA 3510C
 Extraction Date: 09/22/22 09:02

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Semivolatiles by EPA 1311 - Westborough Lab for sample(s): 01 Batch: WG1690645-1					
Hexachlorobenzene	ND		ug/l	10	--
2,4-Dinitrotoluene	ND		ug/l	25	--
Hexachlorobutadiene	ND		ug/l	10	--
Hexachloroethane	ND		ug/l	10	--
Nitrobenzene	ND		ug/l	10	--
2,4,6-Trichlorophenol	ND		ug/l	25	--
Pentachlorophenol	ND		ug/l	50	--
2-Methylphenol	ND		ug/l	25	--
3-Methylphenol/4-Methylphenol	ND		ug/l	25	--
2,4,5-Trichlorophenol	ND		ug/l	25	--
Pyridine	ND		ug/l	18	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		21-120
Phenol-d6	69		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	72		15-120
2,4,6-Tribromophenol	93		10-120
4-Terphenyl-d14	76		33-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: TROY (WATER ST.) FORMER MGP

Lab Number: L2251269

Project Number: TROY (WATER STREET)

Report Date: 09/26/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Semivolatiles by EPA 1311 - Westborough Lab Associated sample(s): 01 Batch: WG1690645-2 WG1690645-3								
Hexachlorobenzene	66		64		40-140	3		30
2,4-Dinitrotoluene	77		77		40-132	0		30
Hexachlorobutadiene	75		72		28-111	4		30
Hexachloroethane	67		63		21-105	6		30
Nitrobenzene	74		70		40-140	6		30
2,4,6-Trichlorophenol	85		84		30-130	1		30
Pentachlorophenol	76		74		9-103	3		30
2-Methylphenol	67		64		30-130	5		30
3-Methylphenol/4-Methylphenol	68		66		30-130	3		30
2,4,5-Trichlorophenol	85		86		30-130	1		30
Pyridine	16		30		10-66	61	Q	30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	72		67		21-120
Phenol-d6	66		64		10-120
Nitrobenzene-d5	78		76		23-120
2-Fluorobiphenyl	72		71		15-120
2,4,6-Tribromophenol	82		81		10-120
4-Terphenyl-d14	68		66		33-120

PCBS

Project Name: TROY (WATER ST.) FORMER MGP
Project Number: TROY (WATER STREET)

Lab Number: L2251269
Report Date: 09/26/22

SAMPLE RESULTS

Lab ID: L2251269-01
Client ID: STOCKPILE 1
Sample Location: 8000 MAIN STREET, TROY, NY

Date Collected: 09/19/22 16:00
Date Received: 09/19/22
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/21/22 09:08
Analyst: JM
Percent Solids: 78%

Extraction Method: EPA 3546
Extraction Date: 09/20/22 21:08
Cleanup Method: EPA 3665A
Cleanup Date: 09/21/22
Cleanup Method: EPA 3660B
Cleanup Date: 09/21/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		mg/kg	1.00	--	1	A
Aroclor 1221	ND		mg/kg	1.00	--	1	A
Aroclor 1232	ND		mg/kg	1.00	--	1	A
Aroclor 1242	ND		mg/kg	1.00	--	1	A
Aroclor 1248	ND		mg/kg	1.00	--	1	A
Aroclor 1254	ND		mg/kg	1.00	--	1	A
Aroclor 1260	ND		mg/kg	1.00	--	1	B
Aroclor 1262	ND		mg/kg	1.00	--	1	A
Aroclor 1268	ND		mg/kg	1.00	--	1	A
PCBs, Total	ND		mg/kg	1.00	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		30-150	A
Decachlorobiphenyl	29	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	66		30-150	B

Project Name: TROY (WATER ST.) FORMER MGP
Project Number: TROY (WATER STREET)

Lab Number: L2251269
Report Date: 09/26/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 09/21/22 08:44
 Analyst: JM

Extraction Method: EPA 3546
 Extraction Date: 09/20/22 21:08
 Cleanup Method: EPA 3665A
 Cleanup Date: 09/21/22
 Cleanup Method: EPA 3660B
 Cleanup Date: 09/21/22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG1689895-1						
Aroclor 1016	ND		mg/kg	1.00	--	A
Aroclor 1221	ND		mg/kg	1.00	--	A
Aroclor 1232	ND		mg/kg	1.00	--	A
Aroclor 1242	ND		mg/kg	1.00	--	A
Aroclor 1248	ND		mg/kg	1.00	--	A
Aroclor 1254	ND		mg/kg	1.00	--	A
Aroclor 1260	ND		mg/kg	1.00	--	A
Aroclor 1262	ND		mg/kg	1.00	--	A
Aroclor 1268	ND		mg/kg	1.00	--	A
PCBs, Total	ND		mg/kg	1.00	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	73		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: TROY (WATER ST.) FORMER MGP

Lab Number: L2251269

Project Number: TROY (WATER STREET)

Report Date: 09/26/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG1689895-2 WG1689895-3									
Aroclor 1016	60		65		40-140	8		50	A
Aroclor 1260	56		61		40-140	9		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		69		30-150	A
Decachlorobiphenyl	61		67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		69		30-150	B
Decachlorobiphenyl	67		74		30-150	B

PESTICIDES

Project Name: TROY (WATER ST.) FORMER MGP**Lab Number:** L2251269**Project Number:** TROY (WATER STREET)**Report Date:** 09/26/22**SAMPLE RESULTS**

Lab ID: L2251269-01
 Client ID: STOCKPILE 1
 Sample Location: 8000 MAIN STREET, TROY, NY

Date Collected: 09/19/22 16:00
 Date Received: 09/19/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 09/23/22 11:44
 Analyst: AKM
 Percent Solids: 78%
 TCLP/SPLP Ext. Date: 09/21/22 09:30

Extraction Method: EPA 3510C
 Extraction Date: 09/22/22 09:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Pesticides by EPA 1311 - Westborough Lab							
Lindane	ND		ug/l	0.100	--	1	A
Heptachlor	ND		ug/l	0.100	--	1	A
Heptachlor epoxide	ND		ug/l	0.100	--	1	A
Endrin	ND		ug/l	0.200	--	1	A
Methoxychlor	ND		ug/l	1.00	--	1	A
Toxaphene	ND		ug/l	1.00	--	1	A
Chlordane	ND		ug/l	1.00	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	91		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	86		30-150	B

Project Name: TROY (WATER ST.) FORMER MGP
Project Number: TROY (WATER STREET)

Lab Number: L2251269
Report Date: 09/26/22

SAMPLE RESULTS

Lab ID: L2251269-01
Client ID: STOCKPILE 1
Sample Location: 8000 MAIN STREET, TROY, NY

Date Collected: 09/19/22 16:00
Date Received: 09/19/22
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 09/25/22 11:41
Analyst: AKM
Percent Solids: 78%
TCLP/SPLP Ext. Date: 09/21/22 09:30
Methylation Date: 09/24/22 17:27

Extraction Method: EPA 8151A
Extraction Date: 09/24/22 06:36

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Herbicides by EPA 1311 - Westborough Lab							
2,4-D	ND		mg/l	0.025	--	1	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	47		30-150	A
DCAA	46		30-150	B

Project Name: TROY (WATER ST.) FORMER MGP
Project Number: TROY (WATER STREET)

Lab Number: L2251269
Report Date: 09/26/22

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 09/23/22 11:12
 Analyst: AKM
 TCLP/SPLP Extraction Date: 09/21/22 09:30

Extraction Method: EPA 3510C
 Extraction Date: 09/22/22 09:03

Parameter	Result	Qualifier	Units	RL	MDL	Column
TCLP Pesticides by EPA 1311 - Westborough Lab for sample(s): 01 Batch: WG1690647-1						
Lindane	ND		ug/l	0.100	--	A
Heptachlor	ND		ug/l	0.100	--	A
Heptachlor epoxide	ND		ug/l	0.100	--	A
Endrin	ND		ug/l	0.200	--	A
Methoxychlor	ND		ug/l	1.00	--	A
Toxaphene	ND		ug/l	1.00	--	A
Chlordane	ND		ug/l	1.00	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	87		30-150	B
Decachlorobiphenyl	79		30-150	B

Project Name: TROY (WATER ST.) FORMER MGP**Lab Number:** L2251269**Project Number:** TROY (WATER STREET)**Report Date:** 09/26/22**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8151A
 Analytical Date: 09/25/22 10:45
 Analyst: AKM
 TCLP/SPLP Extraction Date: 09/21/22 09:30
 Methylation Date: 09/24/22 17:27

Extraction Method: EPA 8151A
 Extraction Date: 09/24/22 06:36

Parameter	Result	Qualifier	Units	RL	MDL	Column
TCLP Herbicides by EPA 1311 - Westborough Lab for sample(s): 01 Batch: WG1691534-1						
2,4-D	ND		mg/l	0.025	--	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	53		30-150	A
DCAA	47		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: TROY (WATER ST.) FORMER MGP
Project Number: TROY (WATER STREET)

Lab Number: L2251269
Report Date: 09/26/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
TCLP Pesticides by EPA 1311 - Westborough Lab Associated sample(s): 01 Batch: WG1690647-2 WG1690647-3									
Lindane	90		76		30-150	17		20	A
Heptachlor	96		82		30-150	17		20	A
Heptachlor epoxide	91		81		30-150	11		20	A
Endrin	95		83		30-150	13		20	A
Methoxychlor	104		92		30-150	12		20	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		80		30-150	A
Decachlorobiphenyl	88		81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	95		87		30-150	B
Decachlorobiphenyl	84		79		30-150	B

Lab Control Sample Analysis**Batch Quality Control****Project Name:** TROY (WATER ST.) FORMER MGP**Lab Number:** L2251269**Project Number:** TROY (WATER STREET)**Report Date:** 09/26/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
TCLP Herbicides by EPA 1311 - Westborough Lab Associated sample(s): 01 Batch: WG1691534-2 WG1691534-3									
2,4-D	113		129		30-150	13		25	A
2,4,5-TP (Silvex)	42		40		30-150	5		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	56		48		30-150	A
DCAA	43		33		30-150	B

METALS

Project Name: TROY (WATER ST.) FORMER MGP**Lab Number:** L2251269**Project Number:** TROY (WATER STREET)**Report Date:** 09/26/22**SAMPLE RESULTS**

Lab ID: L2251269-01

Date Collected: 09/19/22 16:00

Client ID: STOCKPILE 1

Date Received: 09/19/22

Sample Location: 8000 MAIN STREET, TROY, NY

Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 09/21/22 09:30

Matrix: Soil

Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	--	1	09/22/22 12:35	09/22/22 15:40	EPA 3015	1,6010D	NB
Barium, TCLP	ND		mg/l	0.500	--	1	09/22/22 12:35	09/22/22 15:40	EPA 3015	1,6010D	NB
Cadmium, TCLP	ND		mg/l	0.100	--	1	09/22/22 12:35	09/22/22 15:40	EPA 3015	1,6010D	NB
Chromium, TCLP	ND		mg/l	0.200	--	1	09/22/22 12:35	09/22/22 15:40	EPA 3015	1,6010D	NB
Lead, TCLP	ND		mg/l	0.500	--	1	09/22/22 12:35	09/22/22 15:40	EPA 3015	1,6010D	NB
Mercury, TCLP	ND		mg/l	0.0010	--	1	09/22/22 12:23	09/22/22 16:04	EPA 7470A	1,7470A	ZK
Selenium, TCLP	ND		mg/l	0.500	--	1	09/22/22 12:35	09/22/22 15:40	EPA 3015	1,6010D	NB
Silver, TCLP	ND		mg/l	0.100	--	1	09/22/22 12:35	09/22/22 15:40	EPA 3015	1,6010D	NB



Project Name: TROY (WATER ST.) FORMER MGP
Project Number: TROY (WATER STREET)

Lab Number: L2251269
Report Date: 09/26/22

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01 Batch: WG1690761-1										
Arsenic, TCLP	ND		mg/l	1.00	--	1	09/22/22 12:35	09/22/22 15:17	1,6010D	NB
Barium, TCLP	ND		mg/l	0.500	--	1	09/22/22 12:35	09/22/22 15:17	1,6010D	NB
Cadmium, TCLP	ND		mg/l	0.100	--	1	09/22/22 12:35	09/22/22 15:17	1,6010D	NB
Chromium, TCLP	ND		mg/l	0.200	--	1	09/22/22 12:35	09/22/22 15:17	1,6010D	NB
Lead, TCLP	ND		mg/l	0.500	--	1	09/22/22 12:35	09/22/22 15:17	1,6010D	NB
Selenium, TCLP	ND		mg/l	0.500	--	1	09/22/22 12:35	09/22/22 15:17	1,6010D	NB
Silver, TCLP	ND		mg/l	0.100	--	1	09/22/22 12:35	09/22/22 15:17	1,6010D	NB

Prep Information

Digestion Method: EPA 3015
TCLP/SPLP Extraction Date: 09/21/22 09:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01 Batch: WG1690763-1										
Mercury, TCLP	ND		mg/l	0.0010	--	1	09/22/22 12:23	09/22/22 15:51	1,7470A	ZK

Prep Information

Digestion Method: EPA 7470A
TCLP/SPLP Extraction Date: 09/21/22 09:30

Lab Control Sample Analysis

Batch Quality Control

Project Name: TROY (WATER ST.) FORMER MGP

Lab Number: L2251269

Project Number: TROY (WATER STREET)

Report Date: 09/26/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 Batch: WG1690761-2								
Arsenic, TCLP	100		-		75-125	-		20
Barium, TCLP	97		-		75-125	-		20
Cadmium, TCLP	93		-		75-125	-		20
Chromium, TCLP	92		-		75-125	-		20
Lead, TCLP	88		-		75-125	-		20
Selenium, TCLP	98		-		75-125	-		20
Silver, TCLP	90		-		75-125	-		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 Batch: WG1690763-2								
Mercury, TCLP	109		-		80-120	-		

Matrix Spike Analysis **Batch Quality Control**

Project Name: TROY (WATER ST.) FORMER MGP
Project Number: TROY (WATER STREET)

Lab Number: L2251269
Report Date: 09/26/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1690761-3 QC Sample: L2251269-01 Client ID: STOCKPILE 1												
Arsenic, TCLP	ND	1.2	1.27	106		-	-		75-125	-		20
Barium, TCLP	ND	20	20.3	102		-	-		75-125	-		20
Cadmium, TCLP	ND	0.53	0.499	94		-	-		75-125	-		20
Chromium, TCLP	ND	2	1.89	94		-	-		75-125	-		20
Lead, TCLP	ND	5.3	4.83	91		-	-		75-125	-		20
Selenium, TCLP	ND	1.2	1.22	102		-	-		75-125	-		20
Silver, TCLP	ND	0.5	0.473	95		-	-		75-125	-		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1690763-3 QC Sample: L2251269-01 Client ID: STOCKPILE 1												
Mercury, TCLP	ND	0.025	0.0264	106		-	-		80-120	-		20

Lab Duplicate Analysis *Batch Quality Control*

Project Name: TROY (WATER ST.) FORMER MGP

Project Number: TROY (WATER STREET)

Lab Number: L2251269

Report Date: 09/26/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1690761-4 QC Sample: L2251269-01 Client ID: STOCKPILE 1						
Arsenic, TCLP	ND	ND	mg/l	NC		20
Barium, TCLP	ND	ND	mg/l	NC		20
Cadmium, TCLP	ND	ND	mg/l	NC		20
Chromium, TCLP	ND	ND	mg/l	NC		20
Lead, TCLP	ND	ND	mg/l	NC		20
Selenium, TCLP	ND	ND	mg/l	NC		20
Silver, TCLP	ND	ND	mg/l	NC		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1690763-4 QC Sample: L2251269-01 Client ID: STOCKPILE 1						
Mercury, TCLP	ND	ND	mg/l	NC		20

INORGANICS & MISCELLANEOUS

Project Name: TROY (WATER ST.) FORMER MGP
Project Number: TROY (WATER STREET)

Lab Number: L2251269
Report Date: 09/26/22

SAMPLE RESULTS

Lab ID: L2251269-01
Client ID: STOCKPILE 1
Sample Location: 8000 MAIN STREET, TROY, NY

Date Collected: 09/19/22 16:00
Date Received: 09/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material: Unknown
Description of Material: Non-Metallic - Damp Soil
Particle Size: Medium
Preliminary Burning Time (sec): 120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/21/22 11:17	1,1030	MJ



Project Name: TROY (WATER ST.) FORMER MGP
Project Number: TROY (WATER STREET)

Lab Number: L2251269
Report Date: 09/26/22

SAMPLE RESULTS

Lab ID: L2251269-01
Client ID: STOCKPILE 1
Sample Location: 8000 MAIN STREET, TROY, NY

Date Collected: 09/19/22 16:00
Date Received: 09/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77.5		%	0.100	NA	1	-	09/20/22 12:50	121,2540G	RI
pH (H)	11.4		SU	-	NA	1	-	09/20/22 23:35	1,9045D	AS
Cyanide, Reactive	ND		mg/kg	10	--	1	09/22/22 11:00	09/22/22 13:27	125,7.3	MJ
Sulfide, Reactive	ND		mg/kg	10	--	1	09/22/22 11:00	09/22/22 12:56	125,7.3	MJ
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	09/20/22 17:04	1,9095B	AS



Project Name: TROY (WATER ST.) FORMER MGP**Lab Number:** L2251269**Project Number:** TROY (WATER STREET)**Report Date:** 09/26/22

Method Blank Analysis

Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1690651-1										
Sulfide, Reactive	ND		mg/kg	10	--	1	09/22/22 11:00	09/22/22 12:45	125,7.3	MJ
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1690654-1										
Cyanide, Reactive	ND		mg/kg	10	--	1	09/22/22 11:00	09/22/22 13:17	125,7.3	MJ

Lab Control Sample Analysis**Batch Quality Control****Project Name:** TROY (WATER ST.) FORMER MGP**Lab Number:** L2251269**Project Number:** TROY (WATER STREET)**Report Date:** 09/26/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1689900-1								
pH	99		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1690651-2								
Sulfide, Reactive	114		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1690654-2								
Cyanide, Reactive	72		-		30-125	-		40

Project Name: TROY (WATER ST.) FORMER MGP
Project Number: TROY (WATER STREET)

Lab Duplicate Analysis
Batch Quality Control

Lab Number: L2251269
Report Date: 09/26/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1689576-1 QC Sample: L2248203-22 Client ID: DUP Sample						
Solids, Total	93.3	94.8	%	2		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1689900-2 QC Sample: L2249450-07 Client ID: DUP Sample						
pH	8.0	7.9	SU	1		5
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1690651-3 QC Sample: L2249109-01 Client ID: DUP Sample						
Sulfide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1690654-3 QC Sample: L2249109-01 Client ID: DUP Sample						
Cyanide, Reactive	ND	ND	mg/kg	NC		40

Project Name: TROY (WATER ST.) FORMER MGP**Lab Number:** L2251269**Project Number:** TROY (WATER STREET)**Report Date:** 09/26/22**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2251269-01A	Vial Large Septa unpreserved (4oz)	A	NA		2.0	Y	Absent		TCLP-EXT-ZHE(14)
L2251269-01B	Glass 120ml/4oz unpreserved	A	NA		2.0	Y	Absent		REACTS(14),IGNIT-1030(14),TS(7),PH-9045(1),PAINTF(),NYTCL-8082-PPM(365),REACTCN(14)
L2251269-01C	Glass 120ml/4oz unpreserved	A	NA		2.0	Y	Absent		REACTS(14),IGNIT-1030(14),TS(7),PH-9045(1),PAINTF(),NYTCL-8082-PPM(365),REACTCN(14)
L2251269-01D	Glass 500ml/16oz unpreserved	A	NA		2.0	Y	Absent		REACTS(14),IGNIT-1030(14),TS(7),PH-9045(1),PAINTF(),NYTCL-8082-PPM(365),REACTCN(14)
L2251269-01W	Amber 1000ml unpreserved Extracts	A	NA		2.0	Y	Absent		TCLP-8270(14),HERB-TCLP*(14),PEST-TCLP*(14)
L2251269-01X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.0	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L2251269-01X9	Tumble Vessel	A	NA		2.0	Y	Absent		-
L2251269-01Y	Vial unpreserved Extracts	A	NA		2.0	Y	Absent		TCLP-VOA(14)
L2251269-01Z	Vial unpreserved Extracts	A	NA		2.0	Y	Absent		TCLP-VOA(14)
L2251269-02A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.0	Y	Absent		HOLD-METAL(180)
L2251269-02B	Vial Large Septa unpreserved (4oz)	A	NA		2.0	Y	Absent		HOLD-8260(14)
L2251269-02C	Vial Large Septa unpreserved (4oz)	A	NA		2.0	Y	Absent		HOLD-8151(14),HOLD-WETCHEM(),HOLD-8081(14),HOLD-8270(14),HOLD-8082(14)
L2251269-02D	Glass 500ml/16oz unpreserved	A	NA		2.0	Y	Absent		HOLD-8151(14),HOLD-WETCHEM(),HOLD-8081(14),HOLD-8270(14),HOLD-8082(14)

Project Name: TROY (WATER ST.) FORMER MGP
Project Number: TROY (WATER STREET)

Lab Number: L2251269
Report Date: 09/26/22

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: Data Usability Report



Project Name: TROY (WATER ST.) FORMER MGP
Project Number: TROY (WATER STREET)

Lab Number: L2251269
Report Date: 09/26/22

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

Report Format: Data Usability Report



Project Name: TROY (WATER ST.) FORMER MGP
Project Number: TROY (WATER STREET)

Lab Number: L2251269
Report Date: 09/26/22

Data Qualifiers

- ND** - Not detected at the reporting limit (RL) for the sample.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: TROY (WATER ST.) FORMER MGP
Project Number: TROY (WATER STREET)

Lab Number: L2251269
Report Date: 09/26/22

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.
- 125 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates IIIA, April 1998.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility

EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene

EPA 625/625.1: alpha-Terpineol

EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

EPA 8270D/8270E: NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.

Mansfield Facility

SM 2540D: TSS

EPA 8082A: NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water

EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B

EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,**

SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.

EPA 624.1: Volatile Halocarbons & Aromatics,

EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water

EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.**

EPA 522, EPA 537.1.

Non-Potable Water

EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

EPA 245.1 Hg.

SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

[illegible]



ANALYTICAL REPORT

Lab Number:	L2252438
Client:	Land Remediation, Inc. 74 Hudson River Road Waterford, NY 12188
ATTN:	Jonathan Borrelli
Phone:	(203) 233-4100
Project Name:	TROY (WATER ST) FORMER MGP
Project Number:	TROY (WATER STREET)
Report Date:	10/03/22

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: TROY (WATER ST) FORMER MGP
Project Number: TROY (WATER STREET)

Lab Number: L2252438
Report Date: 10/03/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2252438-01	FRAC TANK 1	WATER	8000 MAIN STREET, TROY,NY	09/22/22 17:00	09/22/22

Project Name: TROY (WATER ST) FORMER MGP
Project Number: TROY (WATER STREET)

Lab Number: L2252438
Report Date: 10/03/22

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: TROY (WATER ST) FORMER MGP
Project Number: TROY (WATER STREET)

Lab Number: L2252438
Report Date: 10/03/22

Case Narrative (continued)

Report Submission

October 03, 2022: This final report includes the results of all requested analyses.

September 29, 2022: This is a preliminary report.

The analysis of Total Phenols was subcontracted. A copy of the laboratory report is included as an addendum.
Please note: This data is only available in PDF format and is not available on Data Merger.

Volatile Organics by Method 624

L2252438-01: Due to the sample matrix (foam generation during purging/analysis), the laboratory used Anti-Foam solution in the sample and associated QC.

L2252438-01: Headspace was noted in the sample container utilized for analysis.

The WG1691828-3 LCS recovery, associated with L2252438-01, is above the acceptance criteria for methylene chloride (165%); however, the associated sample is non-detect to the RL for this target analyte. The results of the original analysis are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:

Tiffani Morrissey - Tiffani Morrissey

Title: Technical Director/Representative

Date: 10/03/22

ORGANICS

VOLATILES

Project Name: TROY (WATER ST) FORMER MGP
Project Number: TROY (WATER STREET)

Lab Number: L2252438
Report Date: 10/03/22

SAMPLE RESULTS

Lab ID: L2252438-01
Client ID: FRAC TANK 1
Sample Location: 8000 MAIN STREET, TROY,NY

Date Collected: 09/22/22 17:00
Date Received: 09/22/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 128,624.1
Analytical Date: 09/24/22 18:26
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	1.0	--	1
1,1-Dichloroethane	ND		ug/l	1.5	--	1
Chloroform	ND		ug/l	1.0	--	1
Carbon tetrachloride	ND		ug/l	1.0	--	1
1,2-Dichloropropane	ND		ug/l	3.5	--	1
Dibromochloromethane	ND		ug/l	1.0	--	1
1,1,2-Trichloroethane	ND		ug/l	1.5	--	1
2-Chloroethylvinyl ether	ND		ug/l	10	--	1
Tetrachloroethene	ND		ug/l	1.0	--	1
Chlorobenzene	ND		ug/l	3.5	--	1
Trichlorofluoromethane	ND		ug/l	5.0	--	1
1,2-Dichloroethane	ND		ug/l	1.5	--	1
1,1,1-Trichloroethane	ND		ug/l	2.0	--	1
Bromodichloromethane	ND		ug/l	1.0	--	1
trans-1,3-Dichloropropene	ND		ug/l	1.5	--	1
cis-1,3-Dichloropropene	ND		ug/l	1.5	--	1
Bromoform	ND		ug/l	1.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--	1
Benzene	ND		ug/l	1.0	--	1
Toluene	ND		ug/l	1.0	--	1
Ethylbenzene	ND		ug/l	1.0	--	1
Chloromethane	ND		ug/l	5.0	--	1
Bromomethane	ND		ug/l	5.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	2.0	--	1
1,1-Dichloroethene	ND		ug/l	1.0	--	1
trans-1,2-Dichloroethene	ND		ug/l	1.5	--	1
cis-1,2-Dichloroethene	ND		ug/l	1.0	--	1

Project Name: TROY (WATER ST) FORMER MGP**Lab Number:** L2252438**Project Number:** TROY (WATER STREET)**Report Date:** 10/03/22**SAMPLE RESULTS**

Lab ID: L2252438-01

Date Collected: 09/22/22 17:00

Client ID: FRAC TANK 1

Date Received: 09/22/22

Sample Location: 8000 MAIN STREET, TROY,NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	1.0	--	1
1,2-Dichlorobenzene	ND		ug/l	5.0	--	1
1,3-Dichlorobenzene	ND		ug/l	5.0	--	1
1,4-Dichlorobenzene	ND		ug/l	5.0	--	1
p/m-Xylene	ND		ug/l	2.0	--	1
o-xylene	ND		ug/l	1.0	--	1
Xylenes, Total	ND		ug/l	1.0	--	1
Styrene	ND		ug/l	1.0	--	1
Acetone	61		ug/l	10	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	10	--	1
Vinyl acetate	ND		ug/l	10	--	1
4-Methyl-2-pentanone	ND		ug/l	10	--	1
2-Hexanone	ND		ug/l	10	--	1
Acrolein	ND		ug/l	8.0	--	1
Acrylonitrile	ND		ug/l	10	--	1
Dibromomethane	ND		ug/l	1.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	86		60-140
Fluorobenzene	97		60-140
4-Bromofluorobenzene	83		60-140

Project Name: TROY (WATER ST) FORMER MGP**Lab Number:** L2252438**Project Number:** TROY (WATER STREET)**Report Date:** 10/03/22

Method Blank Analysis Batch Quality Control

Analytical Method: 128,624.1

Analytical Date: 09/24/22 14:23

Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1691828-4					
Methylene chloride	ND		ug/l	1.0	--
1,1-Dichloroethane	ND		ug/l	1.5	--
Chloroform	ND		ug/l	1.0	--
Carbon tetrachloride	ND		ug/l	1.0	--
1,2-Dichloropropane	ND		ug/l	3.5	--
Dibromochloromethane	ND		ug/l	1.0	--
1,1,2-Trichloroethane	ND		ug/l	1.5	--
2-Chloroethylvinyl ether	ND		ug/l	10	--
Tetrachloroethene	ND		ug/l	1.0	--
Chlorobenzene	ND		ug/l	3.5	--
Trichlorofluoromethane	ND		ug/l	5.0	--
1,2-Dichloroethane	ND		ug/l	1.5	--
1,1,1-Trichloroethane	ND		ug/l	2.0	--
Bromodichloromethane	ND		ug/l	1.0	--
trans-1,3-Dichloropropene	ND		ug/l	1.5	--
cis-1,3-Dichloropropene	ND		ug/l	1.5	--
Bromoform	ND		ug/l	1.0	--
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--
Benzene	ND		ug/l	1.0	--
Toluene	ND		ug/l	1.0	--
Ethylbenzene	ND		ug/l	1.0	--
Chloromethane	ND		ug/l	5.0	--
Bromomethane	ND		ug/l	5.0	--
Vinyl chloride	ND		ug/l	1.0	--
Chloroethane	ND		ug/l	2.0	--
1,1-Dichloroethene	ND		ug/l	1.0	--
trans-1,2-Dichloroethene	ND		ug/l	1.5	--
cis-1,2-Dichloroethene	ND		ug/l	1.0	--
Trichloroethene	ND		ug/l	1.0	--

Project Name: TROY (WATER ST) FORMER MGP
Project Number: TROY (WATER STREET)

Lab Number: L2252438
Report Date: 10/03/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 128,624.1
 Analytical Date: 09/24/22 14:23
 Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1691828-4					
1,2-Dichlorobenzene	ND		ug/l	5.0	--
1,3-Dichlorobenzene	ND		ug/l	5.0	--
1,4-Dichlorobenzene	ND		ug/l	5.0	--
p/m-Xylene	ND		ug/l	2.0	--
o-xylene	ND		ug/l	1.0	--
Xylenes, Total	ND		ug/l	1.0	--
Styrene	ND		ug/l	1.0	--
Acetone	ND		ug/l	10	--
Carbon disulfide	ND		ug/l	5.0	--
2-Butanone	ND		ug/l	10	--
Vinyl acetate	ND		ug/l	10	--
4-Methyl-2-pentanone	ND		ug/l	10	--
2-Hexanone	ND		ug/l	10	--
Acrolein	ND		ug/l	8.0	--
Acrylonitrile	ND		ug/l	10	--
Dibromomethane	ND		ug/l	1.0	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	95		60-140
Fluorobenzene	96		60-140
4-Bromofluorobenzene	84		60-140

Lab Control Sample Analysis Batch Quality Control

Project Name: TROY (WATER ST) FORMER MGP

Lab Number: L2252438

Project Number: TROY (WATER STREET)

Report Date: 10/03/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1691828-3								
Methylene chloride	165	Q	-		60-140	-		28
1,1-Dichloroethane	100		-		50-150	-		49
Chloroform	95		-		70-135	-		54
Carbon tetrachloride	95		-		70-130	-		41
1,2-Dichloropropane	95		-		35-165	-		55
Dibromochloromethane	95		-		70-135	-		50
1,1,2-Trichloroethane	100		-		70-130	-		45
2-Chloroethylvinyl ether	100		-		1-225	-		71
Tetrachloroethene	85		-		70-130	-		39
Chlorobenzene	85		-		65-135	-		53
Trichlorofluoromethane	115		-		50-150	-		84
1,2-Dichloroethane	95		-		70-130	-		49
1,1,1-Trichloroethane	90		-		70-130	-		36
Bromodichloromethane	110		-		65-135	-		56
trans-1,3-Dichloropropene	95		-		50-150	-		86
cis-1,3-Dichloropropene	115		-		25-175	-		58
Bromoform	95		-		70-130	-		42
1,1,2,2-Tetrachloroethane	100		-		60-140	-		61
Benzene	90		-		65-135	-		61
Toluene	95		-		70-130	-		41
Ethylbenzene	95		-		60-140	-		63
Chloromethane	125		-		1-205	-		60
Bromomethane	60		-		15-185	-		61

Lab Control Sample Analysis

Batch Quality Control

Project Name: TROY (WATER ST) FORMER MGP

Lab Number: L2252438

Project Number: TROY (WATER STREET)

Report Date: 10/03/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1691828-3								
Vinyl chloride	110		-		5-195	-		66
Chloroethane	110		-		40-160	-		78
1,1-Dichloroethene	95		-		50-150	-		32
trans-1,2-Dichloroethene	85		-		70-130	-		45
cis-1,2-Dichloroethene	80		-		60-140	-		30
Trichloroethene	75		-		65-135	-		48
1,2-Dichlorobenzene	85		-		65-135	-		57
1,3-Dichlorobenzene	80		-		70-130	-		43
1,4-Dichlorobenzene	100		-		65-135	-		57
p/m-Xylene	90		-		60-140	-		30
o-xylene	85		-		60-140	-		30
Styrene	95		-		60-140	-		30
Acetone	128		-		40-160	-		30
Carbon disulfide	100		-		60-140	-		30
2-Butanone	100		-		60-140	-		30
Vinyl acetate	122		-		60-140	-		30
4-Methyl-2-pentanone	116		-		60-140	-		30
2-Hexanone	102		-		60-140	-		30
Acrolein	102		-		60-140	-		30
Acrylonitrile	108		-		60-140	-		60
Dibromomethane	75		-		70-130	-		30

Lab Control Sample Analysis**Batch Quality Control****Project Name:** TROY (WATER ST) FORMER MGP**Lab Number:** L2252438**Project Number:** TROY (WATER STREET)**Report Date:** 10/03/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1691828-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Pentafluorobenzene	91				60-140
Fluorobenzene	83				60-140
4-Bromofluorobenzene	86				60-140

SEMIVOLATILES

Project Name: TROY (WATER ST) FORMER MGP
Project Number: TROY (WATER STREET)

Lab Number: L2252438
Report Date: 10/03/22

SAMPLE RESULTS

Lab ID: L2252438-01
Client ID: FRAC TANK 1
Sample Location: 8000 MAIN STREET, TROY,NY

Date Collected: 09/22/22 17:00
Date Received: 09/22/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 129,625.1
Analytical Date: 09/23/22 23:02
Analyst: SZ

Extraction Method: EPA 625.1
Extraction Date: 09/23/22 05:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	2.00	--	1
Benzidine ¹	ND		ug/l	20.0	--	1
1,2,4-Trichlorobenzene	ND		ug/l	5.00	--	1
Hexachlorobenzene	ND		ug/l	2.00	--	1
Bis(2-chloroethyl)ether	ND		ug/l	2.00	--	1
2-Chloronaphthalene	ND		ug/l	2.00	--	1
3,3'-Dichlorobenzidine	ND		ug/l	5.00	--	1
2,4-Dinitrotoluene	ND		ug/l	5.00	--	1
2,6-Dinitrotoluene	ND		ug/l	5.00	--	1
Azobenzene ¹	ND		ug/l	2.00	--	1
Fluoranthene	ND		ug/l	2.00	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.00	--	1
4-Bromophenyl phenyl ether	ND		ug/l	2.00	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.00	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.00	--	1
Hexachlorobutadiene	ND		ug/l	2.00	--	1
Hexachlorocyclopentadiene ¹	ND		ug/l	10.0	--	1
Hexachloroethane	ND		ug/l	2.00	--	1
Isophorone	ND		ug/l	5.00	--	1
Naphthalene	ND		ug/l	2.00	--	1
Nitrobenzene	ND		ug/l	2.00	--	1
NDPA/DPA ¹	ND		ug/l	2.00	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.00	--	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	2.20	--	1
Butyl benzyl phthalate	ND		ug/l	5.00	--	1
Di-n-butylphthalate	ND		ug/l	5.00	--	1
Di-n-octylphthalate	ND		ug/l	5.00	--	1
Diethyl phthalate	ND		ug/l	5.00	--	1

Project Name: TROY (WATER ST) FORMER MGP
Project Number: TROY (WATER STREET)

Lab Number: L2252438
Report Date: 10/03/22

SAMPLE RESULTS

Lab ID: L2252438-01
Client ID: FRAC TANK 1
Sample Location: 8000 MAIN STREET, TROY,NY

Date Collected: 09/22/22 17:00
Date Received: 09/22/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dimethyl phthalate	ND		ug/l	5.00	--	1
Benzo(a)anthracene	ND		ug/l	2.00	--	1
Benzo(a)pyrene	ND		ug/l	2.00	--	1
Benzo(b)fluoranthene	ND		ug/l	2.00	--	1
Benzo(k)fluoranthene	ND		ug/l	2.00	--	1
Chrysene	ND		ug/l	2.00	--	1
Acenaphthylene	ND		ug/l	2.00	--	1
Anthracene	ND		ug/l	2.00	--	1
Benzo(ghi)perylene	ND		ug/l	2.00	--	1
Fluorene	ND		ug/l	2.00	--	1
Phenanthrene	3.83		ug/l	2.00	--	1
Dibenzo(a,h)anthracene	ND		ug/l	2.00	--	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.00	--	1
Pyrene	ND		ug/l	2.00	--	1
4-Chloroaniline ¹	ND		ug/l	5.00	--	1
Dibenzofuran ¹	ND		ug/l	2.00	--	1
2-Methylnaphthalene ¹	ND		ug/l	2.00	--	1
n-Nitrosodimethylamine ¹	ND		ug/l	2.00	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.00	--	1
p-Chloro-m-cresol ¹	ND		ug/l	2.00	--	1
2-Chlorophenol	ND		ug/l	2.00	--	1
2,4-Dichlorophenol	ND		ug/l	5.00	--	1
2,4-Dimethylphenol	ND		ug/l	5.00	--	1
2-Nitrophenol	ND		ug/l	5.00	--	1
4-Nitrophenol	ND		ug/l	10.0	--	1
2,4-Dinitrophenol	ND		ug/l	20.0	--	1
4,6-Dinitro-o-cresol	ND		ug/l	10.0	--	1
Pentachlorophenol	ND		ug/l	5.00	--	1
Phenol	ND		ug/l	5.00	--	1
2-Methylphenol ¹	ND		ug/l	5.00	--	1
3-Methylphenol/4-Methylphenol ¹	ND		ug/l	5.00	--	1
2,4,5-Trichlorophenol ¹	ND		ug/l	5.00	--	1
Benzoic Acid ¹	ND		ug/l	50.0	--	1
Benzyl Alcohol ¹	ND		ug/l	2.00	--	1

Project Name: TROY (WATER ST) FORMER MGP**Lab Number:** L2252438**Project Number:** TROY (WATER STREET)**Report Date:** 10/03/22**SAMPLE RESULTS**

Lab ID: L2252438-01

Date Collected: 09/22/22 17:00

Client ID: FRAC TANK 1

Date Received: 09/22/22

Sample Location: 8000 MAIN STREET, TROY,NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	60		25-87
Phenol-d6	42		16-65
Nitrobenzene-d5	75		42-122
2-Fluorobiphenyl	78		46-121
2,4,6-Tribromophenol	81		45-128
4-Terphenyl-d14	84		47-138

Project Name: TROY (WATER ST) FORMER MGP
Project Number: TROY (WATER STREET)

Lab Number: L2252438
Report Date: 10/03/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 129,625.1
 Analytical Date: 09/23/22 20:27
 Analyst: SZ

Extraction Method: EPA 625.1
 Extraction Date: 09/23/22 04:37

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1691046-1					
Acenaphthene	ND		ug/l	2.00	--
Benzidine ¹	ND		ug/l	20.0	--
1,2,4-Trichlorobenzene	ND		ug/l	5.00	--
Hexachlorobenzene	ND		ug/l	2.00	--
Bis(2-chloroethyl)ether	ND		ug/l	2.00	--
2-Chloronaphthalene	ND		ug/l	2.00	--
3,3'-Dichlorobenzidine	ND		ug/l	5.00	--
2,4-Dinitrotoluene	ND		ug/l	5.00	--
2,6-Dinitrotoluene	ND		ug/l	5.00	--
Azobenzene ¹	ND		ug/l	2.00	--
Fluoranthene	ND		ug/l	2.00	--
4-Chlorophenyl phenyl ether	ND		ug/l	2.00	--
4-Bromophenyl phenyl ether	ND		ug/l	2.00	--
Bis(2-chloroisopropyl)ether	ND		ug/l	2.00	--
Bis(2-chloroethoxy)methane	ND		ug/l	5.00	--
Hexachlorobutadiene	ND		ug/l	2.00	--
Hexachlorocyclopentadiene ¹	ND		ug/l	10.0	--
Hexachloroethane	ND		ug/l	2.00	--
Isophorone	ND		ug/l	5.00	--
Naphthalene	ND		ug/l	2.00	--
Nitrobenzene	ND		ug/l	2.00	--
NDPA/DPA ¹	ND		ug/l	2.00	--
n-Nitrosodi-n-propylamine	ND		ug/l	5.00	--
Bis(2-ethylhexyl)phthalate	ND		ug/l	2.20	--
Butyl benzyl phthalate	ND		ug/l	5.00	--
Di-n-butylphthalate	ND		ug/l	5.00	--
Di-n-octylphthalate	ND		ug/l	5.00	--
Diethyl phthalate	ND		ug/l	5.00	--
Dimethyl phthalate	ND		ug/l	5.00	--

Project Name: TROY (WATER ST) FORMER MGP
Project Number: TROY (WATER STREET)

Lab Number: L2252438
Report Date: 10/03/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 129,625.1
 Analytical Date: 09/23/22 20:27
 Analyst: SZ

Extraction Method: EPA 625.1
 Extraction Date: 09/23/22 04:37

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1691046-1					
Benzo(a)anthracene	ND		ug/l	2.00	--
Benzo(a)pyrene	ND		ug/l	2.00	--
Benzo(b)fluoranthene	ND		ug/l	2.00	--
Benzo(k)fluoranthene	ND		ug/l	2.00	--
Chrysene	ND		ug/l	2.00	--
Acenaphthylene	ND		ug/l	2.00	--
Anthracene	ND		ug/l	2.00	--
Benzo(ghi)perylene	ND		ug/l	2.00	--
Fluorene	ND		ug/l	2.00	--
Phenanthrene	ND		ug/l	2.00	--
Dibenzo(a,h)anthracene	ND		ug/l	2.00	--
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.00	--
Pyrene	ND		ug/l	2.00	--
4-Chloroaniline ¹	ND		ug/l	5.00	--
Dibenzofuran ¹	ND		ug/l	2.00	--
2-Methylnaphthalene ¹	ND		ug/l	2.00	--
n-Nitrosodimethylamine ¹	ND		ug/l	2.00	--
2,4,6-Trichlorophenol	ND		ug/l	5.00	--
p-Chloro-m-cresol ¹	ND		ug/l	2.00	--
2-Chlorophenol	ND		ug/l	2.00	--
2,4-Dichlorophenol	ND		ug/l	5.00	--
2,4-Dimethylphenol	ND		ug/l	5.00	--
2-Nitrophenol	ND		ug/l	5.00	--
4-Nitrophenol	ND		ug/l	10.0	--
2,4-Dinitrophenol	ND		ug/l	20.0	--
4,6-Dinitro-o-cresol	ND		ug/l	10.0	--
Pentachlorophenol	ND		ug/l	5.00	--
Phenol	ND		ug/l	5.00	--
2-Methylphenol ¹	ND		ug/l	5.00	--

Project Name: TROY (WATER ST) FORMER MGP
Project Number: TROY (WATER STREET)

Lab Number: L2252438
Report Date: 10/03/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 129,625.1
 Analytical Date: 09/23/22 20:27
 Analyst: SZ

Extraction Method: EPA 625.1
 Extraction Date: 09/23/22 04:37

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1691046-1					
3-Methylphenol/4-Methylphenol ¹	ND		ug/l	5.00	--
2,4,5-Trichlorophenol ¹	ND		ug/l	5.00	--
Benzoic Acid ¹	ND		ug/l	50.0	--
Benzyl Alcohol ¹	ND		ug/l	2.00	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	47		25-87
Phenol-d6	32		16-65
Nitrobenzene-d5	71		42-122
2-Fluorobiphenyl	74		46-121
2,4,6-Tribromophenol	77		45-128
4-Terphenyl-d14	83		47-138

Lab Control Sample Analysis

Batch Quality Control

Project Name: TROY (WATER ST) FORMER MGP

Project Number: TROY (WATER STREET)

Lab Number: L2252438

Report Date: 10/03/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1691046-2								
Acenaphthene	87		-		60-132	-		48
Benzidine ¹	56		-		0-70	-		30
1,2,4-Trichlorobenzene	77		-		57-130	-		50
Hexachlorobenzene	87		-		8-142	-		55
Bis(2-chloroethyl)ether	83		-		43-126	-		108
2-Chloronaphthalene	86		-		65-120	-		24
3,3'-Dichlorobenzidine	43		-		8-213	-		108
2,4-Dinitrotoluene	90		-		48-127	-		42
2,6-Dinitrotoluene	92		-		68-137	-		48
Azobenzene ¹	92		-		44-115	-		23
Fluoranthene	94		-		43-121	-		66
4-Chlorophenyl phenyl ether	86		-		38-145	-		61
4-Bromophenyl phenyl ether	89		-		65-120	-		43
Bis(2-chloroisopropyl)ether	86		-		63-139	-		76
Bis(2-chloroethoxy)methane	89		-		49-165	-		54
Hexachlorobutadiene	68		-		38-120	-		62
Hexachlorocyclopentadiene ¹	50		-		7-118	-		35
Hexachloroethane	72		-		55-120	-		52
Isophorone	86		-		47-180	-		93
Naphthalene	84		-		36-120	-		65
Nitrobenzene	86		-		54-158	-		62
NDPA/DPA ¹	92		-		45-112	-		36
n-Nitrosodi-n-propylamine	87		-		14-198	-		87

Lab Control Sample Analysis Batch Quality Control

Project Name: TROY (WATER ST) FORMER MGP

Lab Number: L2252438

Project Number: TROY (WATER STREET)

Report Date: 10/03/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1691046-2								
Bis(2-ethylhexyl)phthalate	104		-		29-137	-		82
Butyl benzyl phthalate	96		-		1-140	-		60
Di-n-butylphthalate	100		-		8-120	-		47
Di-n-octylphthalate	105		-		19-132	-		69
Diethyl phthalate	93		-		1-120	-		100
Dimethyl phthalate	93		-		1-120	-		183
Benzo(a)anthracene	91		-		42-133	-		53
Benzo(a)pyrene	91		-		32-148	-		72
Benzo(b)fluoranthene	90		-		42-140	-		71
Benzo(k)fluoranthene	97		-		25-146	-		63
Chrysene	93		-		44-140	-		87
Acenaphthylene	90		-		54-126	-		74
Anthracene	96		-		43-120	-		66
Benzo(ghi)perylene	92		-		1-195	-		97
Fluorene	91		-		70-120	-		38
Phenanthrene	91		-		65-120	-		39
Dibenzo(a,h)anthracene	93		-		1-200	-		126
Indeno(1,2,3-cd)pyrene	98		-		1-151	-		99
Pyrene	94		-		70-120	-		49
4-Chloroaniline ¹	79		-		10-100	-		53
Dibenzofuran ¹	89		-		23-126	-		22
2-Methylnaphthalene ¹	86		-		40-109	-		18
n-Nitrosodimethylamine ¹	52		-		15-68	-		17

Lab Control Sample Analysis

Batch Quality Control

Project Name: TROY (WATER ST) FORMER MGP

Project Number: TROY (WATER STREET)

Lab Number: L2252438

Report Date: 10/03/22

Parameter	LCS %Recovery	Qual	LCS %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1691046-2								
2,4,6-Trichlorophenol	92		-		52-129	-		58
p-Chloro-m-cresol ¹	87		-		68-130	-		73
2-Chlorophenol	80		-		36-120	-		61
2,4-Dichlorophenol	89		-		53-122	-		50
2,4-Dimethylphenol	95		-		42-120	-		58
2-Nitrophenol	82		-		45-167	-		55
4-Nitrophenol	52		-		13-129	-		131
2,4-Dinitrophenol	81		-		1-173	-		132
4,6-Dinitro-o-cresol	90		-		56-130	-		203
Pentachlorophenol	89		-		38-152	-		86
Phenol	40		-		17-120	-		64
2-Methylphenol ¹	74		-		38-102	-		23
3-Methylphenol/4-Methylphenol ¹	67		-		35-103	-		26
2,4,5-Trichlorophenol ¹	95		-		47-126	-		28
Benzoic Acid ¹	32		-		2-55	-		27
Benzyl Alcohol ¹	75		-		31-103	-		23

Lab Control Sample Analysis**Batch Quality Control****Project Name:** TROY (WATER ST) FORMER MGP**Lab Number:** L2252438**Project Number:** TROY (WATER STREET)**Report Date:** 10/03/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1691046-2

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	57				25-87
Phenol-d6	41				16-65
Nitrobenzene-d5	86				42-122
2-Fluorobiphenyl	89				46-121
2,4,6-Tribromophenol	92				45-128
4-Terphenyl-d14	95				47-138

METALS

Project Name: TROY (WATER ST) FORMER MGP**Lab Number:** L2252438**Project Number:** TROY (WATER STREET)**Report Date:** 10/03/22**SAMPLE RESULTS**

Lab ID: L2252438-01

Date Collected: 09/22/22 17:00

Client ID: FRAC TANK 1

Date Received: 09/22/22

Sample Location: 8000 MAIN STREET, TROY,NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.535		mg/l	0.0100	--	1	09/24/22 02:20	09/29/22 10:25	EPA 3005A	1,6020B	WKP
Antimony, Total	ND		mg/l	0.00400	--	1	09/24/22 02:20	09/29/22 10:25	EPA 3005A	1,6020B	WKP
Arsenic, Total	0.00889		mg/l	0.00050	--	1	09/24/22 02:20	09/29/22 10:25	EPA 3005A	1,6020B	WKP
Barium, Total	0.02254		mg/l	0.00050	--	1	09/24/22 02:20	09/29/22 10:25	EPA 3005A	1,6020B	WKP
Beryllium, Total	ND		mg/l	0.00050	--	1	09/24/22 02:20	09/29/22 10:25	EPA 3005A	1,6020B	WKP
Cadmium, Total	ND		mg/l	0.00020	--	1	09/24/22 02:20	09/29/22 10:25	EPA 3005A	1,6020B	WKP
Calcium, Total	17.2		mg/l	0.100	--	1	09/24/22 02:20	09/29/22 10:25	EPA 3005A	1,6020B	WKP
Chromium, Total	ND		mg/l	0.00100	--	1	09/24/22 02:20	09/29/22 10:25	EPA 3005A	1,6020B	WKP
Cobalt, Total	0.00556		mg/l	0.00050	--	1	09/24/22 02:20	09/29/22 10:25	EPA 3005A	1,6020B	WKP
Copper, Total	0.06031		mg/l	0.00100	--	1	09/24/22 02:20	09/29/22 10:25	EPA 3005A	1,6020B	WKP
Iron, Total	0.200		mg/l	0.0500	--	1	09/24/22 02:20	09/29/22 10:25	EPA 3005A	1,6020B	WKP
Lead, Total	ND		mg/l	0.00100	--	1	09/24/22 02:20	09/29/22 10:25	EPA 3005A	1,6020B	WKP
Magnesium, Total	1.12		mg/l	0.0700	--	1	09/24/22 02:20	09/29/22 10:25	EPA 3005A	1,6020B	WKP
Manganese, Total	0.05388		mg/l	0.00100	--	1	09/24/22 02:20	09/29/22 10:25	EPA 3005A	1,6020B	WKP
Mercury, Total	ND		mg/l	0.00020	--	1	09/24/22 03:45	09/24/22 15:59	EPA 7470A	1,7470A	TA
Nickel, Total	0.03363		mg/l	0.00200	--	1	09/24/22 02:20	09/29/22 10:25	EPA 3005A	1,6020B	WKP
Potassium, Total	84.2		mg/l	0.100	--	1	09/24/22 02:20	09/29/22 10:25	EPA 3005A	1,6020B	WKP
Selenium, Total	ND		mg/l	0.00500	--	1	09/24/22 02:20	09/29/22 10:25	EPA 3005A	1,6020B	WKP
Silver, Total	ND		mg/l	0.00040	--	1	09/24/22 02:20	09/29/22 10:25	EPA 3005A	1,6020B	WKP
Sodium, Total	69.2		mg/l	0.100	--	1	09/24/22 02:20	09/29/22 10:25	EPA 3005A	1,6020B	WKP
Thallium, Total	ND		mg/l	0.00100	--	1	09/24/22 02:20	09/29/22 10:25	EPA 3005A	1,6020B	WKP
Vanadium, Total	ND		mg/l	0.00500	--	1	09/24/22 02:20	09/29/22 10:25	EPA 3005A	1,6020B	WKP
Zinc, Total	ND		mg/l	0.01000	--	1	09/24/22 02:20	09/29/22 10:25	EPA 3005A	1,6020B	WKP



Project Name: TROY (WATER ST) FORMER MGP

Lab Number: L2252438

Project Number: TROY (WATER STREET)

Report Date: 10/03/22

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1691283-1										
Aluminum, Total	ND		mg/l	0.0100	--	1	09/24/22 02:20	09/29/22 09:44	1,6020B	WKP
Antimony, Total	ND		mg/l	0.00400	--	1	09/24/22 02:20	09/29/22 09:44	1,6020B	WKP
Arsenic, Total	ND		mg/l	0.00050	--	1	09/24/22 02:20	09/29/22 09:44	1,6020B	WKP
Barium, Total	ND		mg/l	0.00050	--	1	09/24/22 02:20	09/29/22 09:44	1,6020B	WKP
Beryllium, Total	ND		mg/l	0.00050	--	1	09/24/22 02:20	09/29/22 09:44	1,6020B	WKP
Cadmium, Total	ND		mg/l	0.00020	--	1	09/24/22 02:20	09/29/22 09:44	1,6020B	WKP
Calcium, Total	ND		mg/l	0.100	--	1	09/24/22 02:20	09/29/22 09:44	1,6020B	WKP
Chromium, Total	ND		mg/l	0.00100	--	1	09/24/22 02:20	09/29/22 09:44	1,6020B	WKP
Cobalt, Total	ND		mg/l	0.00050	--	1	09/24/22 02:20	09/29/22 09:44	1,6020B	WKP
Copper, Total	ND		mg/l	0.00100	--	1	09/24/22 02:20	09/29/22 09:44	1,6020B	WKP
Iron, Total	ND		mg/l	0.0500	--	1	09/24/22 02:20	09/29/22 09:44	1,6020B	WKP
Lead, Total	ND		mg/l	0.00100	--	1	09/24/22 02:20	09/29/22 09:44	1,6020B	WKP
Magnesium, Total	ND		mg/l	0.0700	--	1	09/24/22 02:20	09/29/22 09:44	1,6020B	WKP
Manganese, Total	ND		mg/l	0.00100	--	1	09/24/22 02:20	09/29/22 09:44	1,6020B	WKP
Nickel, Total	ND		mg/l	0.00200	--	1	09/24/22 02:20	09/29/22 09:44	1,6020B	WKP
Potassium, Total	ND		mg/l	0.100	--	1	09/24/22 02:20	09/29/22 09:44	1,6020B	WKP
Selenium, Total	ND		mg/l	0.00500	--	1	09/24/22 02:20	09/29/22 09:44	1,6020B	WKP
Silver, Total	ND		mg/l	0.00040	--	1	09/24/22 02:20	09/29/22 09:44	1,6020B	WKP
Sodium, Total	ND		mg/l	0.100	--	1	09/24/22 02:20	09/29/22 09:44	1,6020B	WKP
Thallium, Total	ND		mg/l	0.00100	--	1	09/24/22 02:20	09/29/22 09:44	1,6020B	WKP
Vanadium, Total	ND		mg/l	0.00500	--	1	09/24/22 02:20	09/29/22 09:44	1,6020B	WKP
Zinc, Total	ND		mg/l	0.01000	--	1	09/24/22 02:20	09/29/22 09:44	1,6020B	WKP

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1691288-1										
Mercury, Total	ND		mg/l	0.00020	--	1	09/24/22 03:45	09/24/22 15:32	1,7470A	TA



Project Name: TROY (WATER ST) FORMER MGP

Lab Number: L2252438

Project Number: TROY (WATER STREET)

Report Date: 10/03/22

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis

Batch Quality Control

Project Name: TROY (WATER ST) FORMER MGP

Project Number: TROY (WATER STREET)

Lab Number: L2252438

Report Date: 10/03/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1691283-2								
Aluminum, Total	93		-		80-120	-		
Antimony, Total	91		-		80-120	-		
Arsenic, Total	102		-		80-120	-		
Barium, Total	95		-		80-120	-		
Beryllium, Total	102		-		80-120	-		
Cadmium, Total	102		-		80-120	-		
Calcium, Total	96		-		80-120	-		
Chromium, Total	95		-		80-120	-		
Cobalt, Total	95		-		80-120	-		
Copper, Total	95		-		80-120	-		
Iron, Total	97		-		80-120	-		
Lead, Total	99		-		80-120	-		
Magnesium, Total	100		-		80-120	-		
Manganese, Total	92		-		80-120	-		
Nickel, Total	92		-		80-120	-		
Potassium, Total	96		-		80-120	-		
Selenium, Total	97		-		80-120	-		
Silver, Total	111		-		80-120	-		
Sodium, Total	98		-		80-120	-		
Thallium, Total	104		-		80-120	-		
Vanadium, Total	95		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: TROY (WATER ST) FORMER MGP

Lab Number: L2252438

Project Number: TROY (WATER STREET)

Report Date: 10/03/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1691283-2					
Zinc, Total	91	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1691288-2					
Mercury, Total	95	-	80-120	-	

Matrix Spike Analysis **Batch Quality Control**

Project Name: TROY (WATER ST) FORMER MGP
Project Number: TROY (WATER STREET)

Lab Number: L2252438
Report Date: 10/03/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1691283-3 QC Sample: L2250366-01 Client ID: MS Sample												
Aluminum, Total	ND	2	1.89	94		-	-		75-125	-		20
Antimony, Total	ND	0.5	0.4980	100		-	-		75-125	-		20
Arsenic, Total	0.0005	0.12	0.1268	105		-	-		75-125	-		20
Barium, Total	0.1906	2	2.073	94		-	-		75-125	-		20
Beryllium, Total	ND	0.05	0.05130	103		-	-		75-125	-		20
Cadmium, Total	0.0003	0.053	0.05280	99		-	-		75-125	-		20
Calcium, Total	86.3	10	96.4	101		-	-		75-125	-		20
Chromium, Total	0.0018	0.2	0.1945	96		-	-		75-125	-		20
Cobalt, Total	0.0015	0.5	0.4784	95		-	-		75-125	-		20
Copper, Total	0.03076	0.25	0.2634	93		-	-		75-125	-		20
Iron, Total	1.46	1	2.34	88		-	-		75-125	-		20
Lead, Total	0.00398	0.53	0.5314	100		-	-		75-125	-		20
Magnesium, Total	10.5	10	20.2	97		-	-		75-125	-		20
Manganese, Total	1.412	0.5	1.905	99		-	-		75-125	-		20
Nickel, Total	0.0056	0.5	0.4753	94		-	-		75-125	-		20
Potassium, Total	5.79	10	15.7	99		-	-		75-125	-		20
Selenium, Total	ND	0.12	0.127	106		-	-		75-125	-		20
Silver, Total	ND	0.05	0.05393	108		-	-		75-125	-		20
Sodium, Total	174	10	219	450	Q	-	-		75-125	-		20
Thallium, Total	ND	0.12	0.1237	103		-	-		75-125	-		20
Vanadium, Total	ND	0.5	0.4751	95		-	-		75-125	-		20

Matrix Spike Analysis Batch Quality Control

Project Name: TROY (WATER ST) FORMER MGP

Lab Number: L2252438

Project Number: TROY (WATER STREET)

Report Date: 10/03/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1691283-3 QC Sample: L2250366-01 Client ID: MS Sample									
Zinc, Total	0.07512	0.5	0.5408	93	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1691288-3 QC Sample: L2251827-10 Client ID: MS Sample									
Mercury, Total	ND	0.005	0.00451	90	-	-	75-125	-	20

Project Name: TROY (WATER ST) FORMER MGP
Project Number: TROY (WATER STREET)

Lab Duplicate Analysis

Batch Quality Control

Lab Number: L2252438
Report Date: 10/03/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1691283-4 QC Sample: L2250366-01 Client ID: DUP Sample						
Copper, Total	0.03076	0.02814	mg/l	9		20
Lead, Total	0.00398	0.00384	mg/l	4		20
Selenium, Total	ND	ND	mg/l	NC		20
Zinc, Total	0.07512	0.06882	mg/l	9		20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1691288-4 QC Sample: L2251827-10 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/l	NC		20

INORGANICS & MISCELLANEOUS

Project Name: TROY (WATER ST) FORMER MGP
Project Number: TROY (WATER STREET)

Lab Number: L2252438
Report Date: 10/03/22

SAMPLE RESULTS

Lab ID: L2252438-01
Client ID: FRAC TANK 1
Sample Location: 8000 MAIN STREET, TROY,NY

Date Collected: 09/22/22 17:00
Date Received: 09/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Suspended	4.7		mg/l	1.0	NA	1	-	09/23/22 13:04	121,2540D	CN
Cyanide, Total	0.212		mg/l	0.005	--	1	09/24/22 01:10	09/26/22 09:23	1,9010C/9012B	CS
pH (H)	7.6		SU	-	NA	1	-	09/26/22 08:46	1,9040C	KS
BOD, 5 day	36.		mg/l	10	NA	5	09/24/22 12:16	09/29/22 17:40	121,5210B	SH
Oil & Grease, Hem-Grav	ND		mg/l	2.0	--	1	09/28/22 10:00	09/28/22 15:19	140,1664B	JM
Chromium, Hexavalent	ND		mg/l	0.010	--	1	09/23/22 05:40	09/23/22 05:55	1,7196A	MR



Project Name: TROY (WATER ST) FORMER MGP
Project Number: TROY (WATER STREET)

Lab Number: L2252438
Report Date: 10/03/22

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1691067-1										
Chromium, Hexavalent	ND		mg/l	0.010	--	1	09/23/22 05:40	09/23/22 05:51	1,7196A	MR
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1691299-1										
Solids, Total Suspended	ND		mg/l	1.0	NA	1	-	09/23/22 13:04	121,2540D	CN
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1691454-1										
Cyanide, Total	ND		mg/l	0.005	--	1	09/24/22 01:10	09/26/22 09:06	1,9010C/9012B	CS
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1691620-1										
BOD, 5 day	ND		mg/l	2.0	NA	1	09/24/22 12:16	09/29/22 17:40	121,5210B	SH
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1692975-1										
Oil & Grease, Hem-Grav	ND		mg/l	2.0	--	1	09/28/22 10:00	09/28/22 15:19	140,1664B	JM

Lab Control Sample Analysis

Batch Quality Control

Project Name: TROY (WATER ST) FORMER MGP

Project Number: TROY (WATER STREET)

Lab Number: L2252438

Report Date: 10/03/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1691067-2								
Chromium, Hexavalent	99		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1691299-2								
Solids, Total Suspended	94		-		80-120	-		
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1691454-2 WG1691454-3								
Cyanide, Total	96		94		85-115	2		20
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1691620-2								
BOD, 5 day	106		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1691960-1								
pH	100		-		99-101	-		5
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1692975-2								
Oil & Grease, Hem-Grav	97		-		78-114	-		18

Matrix Spike Analysis

Batch Quality Control

Project Name: TROY (WATER ST) FORMER MGP
Project Number: TROY (WATER STREET)

Lab Number: L2252438
Report Date: 10/03/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1691067-4 QC Sample: L2252438-01 Client ID: FRAC TANK 1												
Chromium, Hexavalent	ND	0.1	0.087	87		-	-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1691454-4 WG1691454-5 QC Sample: L2250675-03 Client ID: MS Sample												
Cyanide, Total	ND	0.2	0.184	92		0.198	99		80-120	7		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1691620-3 QC Sample: L2252688-01 Client ID: MS Sample												
BOD, 5 day	26	100	160	131		-	-		50-145	-		35
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1692975-4 QC Sample: L2250015-01 Client ID: MS Sample												
Oil & Grease, Hem-Grav	ND	76.2	42	56	Q	-	-		78-114	-		18

Lab Duplicate Analysis

Batch Quality Control

Project Name: TROY (WATER ST) FORMER MGP

Project Number: TROY (WATER STREET)

Lab Number: L2252438

Report Date: 10/03/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1691067-3 QC Sample: L2252438-01 Client ID: FRAC TANK 1						
Chromium, Hexavalent	ND	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1691299-3 QC Sample: L2252185-01 Client ID: DUP Sample						
Solids, Total Suspended	78	94	mg/l	19		32
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1691620-4 QC Sample: L2252688-01 Client ID: DUP Sample						
BOD, 5 day	26	27	mg/l	4		35
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1691960-2 QC Sample: L2251297-01 Client ID: DUP Sample						
pH	7.4	7.3	SU	1		5
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1692975-3 QC Sample: L2250023-05 Client ID: DUP Sample						
Oil & Grease, Hem-Grav	ND	ND	mg/l	NC		18

Project Name: TROY (WATER ST) FORMER MGP**Lab Number:** L2252438**Project Number:** TROY (WATER STREET)**Report Date:** 10/03/22**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information**Cooler** **Custody Seal**

A Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2252438-01A	Vial Na2S2O3 preserved	A	NA		4.7	Y	Absent		624.1(3)
L2252438-01B	Vial Na2S2O3 preserved	A	NA		4.7	Y	Absent		624.1(3)
L2252438-01C	Vial Na2S2O3 preserved	A	NA		4.7	Y	Absent		624.1(3)
L2252438-01D	Plastic 250ml NaOH preserved	A	>12	>12	4.7	Y	Absent		TCN-9010(14)
L2252438-01E	Plastic 250ml HNO3 preserved	A	<2	<2	4.7	Y	Absent		FE-6020T(180),TL-6020T(180),SE-6020T(180),BA-6020T(180),K-6020T(180),NI-6020T(180),CA-6020T(180),CR-6020T(180),ZN-6020T(180),CU-6020T(180),NA-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),HG-T(28),CD-6020T(180),MG-6020T(180),CO-6020T(180)
L2252438-01F	Plastic 250ml unpreserved	A	7	7	4.7	Y	Absent		HEXCR-7196(1),PH-9040(1),BOD-5210(2)
L2252438-01G	Plastic 950ml unpreserved	A	7	7	4.7	Y	Absent		TSS-2540-LOW(7)
L2252438-01H	Amber 1000ml H2SO4 preserved	A	<2	<2	4.7	Y	Absent		SUB-TPHENOL(28)
L2252438-01J	Amber 1000ml Na2S2O3	A	7	7	4.7	Y	Absent		625.1(7)
L2252438-01K	Amber 1000ml Na2S2O3	A	7	7	4.7	Y	Absent		625.1(7)
L2252438-01L	Amber 1000ml HCl preserved	A	NA		4.7	Y	Absent		NY-OG-1664-LOW(28)
L2252438-01M	Amber 1000ml HCl preserved	A	NA		4.7	Y	Absent		NY-OG-1664-LOW(28)

Project Name: TROY (WATER ST) FORMER MGP
Project Number: TROY (WATER STREET)

Lab Number: L2252438
Report Date: 10/03/22

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: Data Usability Report



Project Name: TROY (WATER ST) FORMER MGP
Project Number: TROY (WATER STREET)

Lab Number: L2252438
Report Date: 10/03/22

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

Report Format: Data Usability Report



Project Name: TROY (WATER ST) FORMER MGP
Project Number: TROY (WATER STREET)

Lab Number: L2252438
Report Date: 10/03/22

Data Qualifiers

- ND** - Not detected at the reporting limit (RL) for the sample.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: TROY (WATER ST) FORMER MGP
Project Number: TROY (WATER STREET)

Lab Number: L2252438
Report Date: 10/03/22

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.
- 128 Method 624.1: Purgeables by GC/MS, EPA 821-R-16-008, December 2016.
- 129 Method 625.1: Base/Neutrals and Acids by GC/MS, EPA 821-R-16-007, December 2016.
- 140 Method 1664, Revision B: N-Hexane Extractable Material (HEM; Oil & Grease) and Silica Gel Treated N-Hexane Extractable Material (SGT-HEM; Non-polar Material) by Extraction and Gravimetry, EPA-821-R-10-001, February 2010.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Alpha Analytical, Inc.

ID No.:17873

Facility: **Company-wide**

Revision 19

Department: **Quality Assurance**

Published Date: 4/2/2021 1:14:23 PM

Title: **Certificate/Approval Program Summary**

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Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 625/625.1:** alpha-Terpineol**EPA 8260C/8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D/8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,****SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.****EPA 522, EPA 537.1.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1 Hg.****SM2340B**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

[illegible]



Saturday, October 01, 2022

Attn: Melissa Deyo
Alpha Analytical Lab
8 Walkup Drive
Westborough, MA 01581

Project ID: L2252438
SDG ID: GCM39722
Sample ID#s: CM39722

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

Phyllis Shiller

Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



SDG Comments

October 01, 2022

SDG I.D.: GCM39722

Any compound that is not detected above the MDL/LOD is reported as ND on the report and is reported in the electronic deliverables (EDD) as <RL or U at the RL per state and EPA guidance. Compounds that are detected above MDL but below RL are qualified with a J flag.



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Tel. (860) 645-1102 Fax (860) 645-0823



Sample Id Cross Reference

October 01, 2022

SDG I.D.: GCM39722

Project ID: L2252438

Client Id	Lab Id	Matrix
FRAC TANK 1	CM39722	WATER



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Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

October 01, 2022

FOR: Attn: Melissa Deyo
Alpha Analytical Lab
8 Walkup Drive
Westborough, MA 01581

Sample Information

Matrix: WATER
Location Code: ALPHA
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

09/22/22
09/23/22

Time

17:00
10:50

Laboratory Data

SDG ID: GCM39722
Phoenix ID: CM39722

Project ID: L2252438
Client ID: FRAC TANK 1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Phenolics	0.021	0.015	0.005	mg/L	1	09/29/22	MSF	E420.4

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

Comments:

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director

October 03, 2022

Reviewed and Released by: Anil Makol, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



QA/QC Report

October 03, 2022

QA/QC Data

SDG I.D.: GCM39722

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 644244 (mg/L), QC Sample No: CM39728 (CM39722)													
Phenolics	BRL	0.015	<0.015	<0.015	NC	94.8			92.5			90 - 110	20

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
October 03, 2022

Monday, October 03, 2022

Criteria: None
State: NY

Sample Criteria Exceedances Report
GCM39722 - ALPHA

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units

*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
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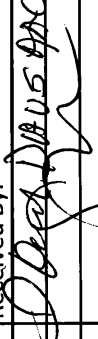
NY Temperature Narration

October 03, 2022

SDG I.D.: GCM39722

The samples in this delivery group were received at 1.0°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

WCI 1.0

		Subcontract Chain of Custody Phoenix Environmental Laboratories 587 East Middle Turnpike Manchester, CT 06040		Alpha Job Number L2252438	
Client Information Client: Alpha Analytical Labs Address: Eight Walkup Drive Westborough, MA 01581-1019 Phone: 716.427.5229 Email: mdeyo@alphalab.com		Project Information Project Location: NY Project Manager: Melissa Deyo Turnaround & Deliverables Information Due Date: Deliverables:		Regulatory Requirements/Report Limits State/Federal Program: Regulatory Criteria:	
Project Specific Requirements and/or Report Requirements Reference following Alpha Job Number on final report/deliverables: L2252438 Report to include Method Blank, LCS/LCSD:					
Additional Comments: Send all results/reports to subreports@alphalab.com Report to MDL					
Lab ID	Client ID	Collection Date/Time	Sample Matrix	Analysis	Batch QC
39722	FRAC TANK 1	09-22-22 17:00	WATER	Total Phenols	
REC: 1X320Z H2SO4 amber					
Relinquished By:		Date/Time:		Received By:	
		9/23/22			
Gerald Davis AAC		9-23-22 10:05		Gerald Davis AAC	
Form No: AL_subcoc					