

Waste Characterization (ISMP) Summary Sheet		
Date Analytical Report Received	Lab Report Number	Laboratory
11/27/2022	180-147899-1	Eurofins Pittsburgh
2/8/2023	180-152100-1	Eurofins Pittsburgh
9/22/2023	L2352524	Alpha Analytical
10/3/2023	180-162182-1	Eurofins Pittsburgh
10/26/2023	180-164020-1	Eurofins Pittsburgh
12/4/2023	180-165687-1	Eurofins Pittsburgh
1/17/2024	180-167797-1	Eurofins Pittsburgh

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
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JOB DESCRIPTION

Former Sperry Remington-Characterization

JOB NUMBER

180-147899-1

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Case Narrative

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-147899-1

Job ID: 180-147899-1

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative 180-147899-1

Receipt

The samples were received on 11/15/2022 at the Eurofins Pittsburgh, PA and Edison, NJ laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 4.5° C, 4.7° C and 5.8° C.

GC/MS VOA

Method 8260D: The continuing calibration verification (CCV) analyzed in batch 460-878652 was above criteria for the following analyte: Vinyl chloride. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

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

GC/MS Semi VOA

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

GC Semi VOA

Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-419015 (CCVIS 180-419015/26) was above criteria for aroclors 1016 and 1260 on column RTX-CLP1. Associated positive sample results for aroclors 1016 and 1260 were reported from column RTX-CLP2 which met criteria.

Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-419015 (CCVIS 180-419015/26) was above criteria for surrogate tetrachloro-m-xylene on both columns. The associated sample surrogate recoveries were within the control limits.

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

Metals

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

General Chemistry

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

Definitions/Glossary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-147899-1

Qualifiers

GC/MS VOA

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

Metals

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

General Chemistry

Qualifier	Qualifier Description
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-147899-1

Laboratory: Eurofins Pittsburgh

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	04-01-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Moisture
2540G		Solid	Percent Solids

Laboratory: Eurofins Edison

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-01-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
7470A	7470A	Solid	Mercury

Sample Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-147899-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-147899-1	SSHS-ISMP-D7-2-4	Solid	11/12/22 14:35	11/15/22 09:00
180-147899-2	SSHS-ISMP-D7-4-6	Solid	11/12/22 14:45	11/15/22 09:00

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Method Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-147899-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET EDI
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET EDI
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET PIT
6010D	Metals (ICP)	SW846	EET EDI
7470A	Mercury (CVAA)	SW846	EET EDI
2540G	SM 2540G	SM22	EET PIT
EPA 1020B	Ignitability, Small Scale Closed-Cup Method	SW846	EET PIT
EPA 9014	Cyanide	SW846	EET PIT
EPA 9034	Sulfide, Acid soluble and Insoluble (Titrimetric)	SW846	EET PIT
EPA 9045D	pH	SW846	EET PIT
1311	TCLP Extraction	SW846	EET EDI
3010A	Preparation, Total Metals	SW846	EET EDI
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET EDI
3541	Automated Soxhlet Extraction	SW846	EET PIT
3660B	Sulfur Cleanup	SW846	EET PIT
3665A	Sulfuric Acid/Permanganate Cleanup	SW846	EET PIT
5030C	Purge and Trap	SW846	EET EDI
7470A	Preparation, Mercury	SW846	EET EDI
9010C	Cyanide, Distillation	SW846	EET PIT
9030B	Sulfide, Distillation (Acid Soluble and Insoluble)	SW846	EET PIT

Protocol References:

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition

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

Laboratory References:

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

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

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-147899-1

Client Sample ID: SSHS-ISMP-D7-2-4

Lab Sample ID: 180-147899-1

Date Collected: 11/12/22 14:35

Matrix: Solid

Date Received: 11/15/22 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			25.09 g	500 mL	878497	11/17/22 12:07	BJB	EET EDI
TCLP	Analysis	8260D		10	5 mL	5 mL	878652	11/18/22 15:25	CJM	EET EDI
		Instrument ID: CVOAMS11								
TCLP	Leach	1311			100.09 g	2000 mL	878577	11/17/22 17:00	YAH	EET EDI
TCLP	Prep	3510C			250 mL	2 mL	878706	11/18/22 09:38	SXS	EET EDI
TCLP	Analysis	8270E		1	1 mL	1 mL	878836	11/19/22 08:03	YAH	EET EDI
		Instrument ID: CBNAMS18								
TCLP	Leach	1311			100.09 g	2000 mL	878577	11/17/22 17:00	YAH	EET EDI
TCLP	Prep	3010A			50 mL	50 mL	878745	11/18/22 12:21	VAP	EET EDI
TCLP	Analysis	6010D		5			878798	11/18/22 19:58	DLE	EET EDI
		Instrument ID: ICP5								
TCLP	Leach	1311			100.09 g	2000 mL	878577	11/17/22 17:00	YAH	EET EDI
TCLP	Prep	7470A			30 mL	30 mL	878759	11/18/22 14:20	RBS	EET EDI
TCLP	Analysis	7470A		1			878781	11/18/22 16:05	RBS	EET EDI
		Instrument ID: LEEMAN6								
Total/NA	Analysis	2540G		1			418282	11/15/22 15:48	LAK	EET PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	EPA 1020B		1			418410	11/16/22 15:32	BAC	EET PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	EPA 9045D		1	19.99 g	20 mL	418411	11/16/22 18:18	ELS	EET PIT
		Instrument ID: NOEQUIP								

Client Sample ID: SSHS-ISMP-D7-2-4

Lab Sample ID: 180-147899-1

Date Collected: 11/12/22 14:35

Matrix: Solid

Date Received: 11/15/22 09:00

Percent Solids: 84.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.33 g	20.0 mL	418382	11/16/22 12:37	SAB	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	418452	11/17/22 05:51	SMW	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	418454	11/17/22 05:52	SMW	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	419015	11/23/22 21:37	JMO	EET PIT
		Instrument ID: CHGC16								
Total/NA	Prep	9010C			0.29 g	10 mL	418392	11/16/22 16:45	CMR	EET PIT
Total/NA	Analysis	EPA 9014		1			418442	11/16/22 18:19	CMR	EET PIT
		Instrument ID: SEAL1								
Total/NA	Prep	9030B			5.06 g	50 mL	418290	11/16/22 05:45	CMR	EET PIT
Total/NA	Analysis	EPA 9034		1			418371	11/16/22 07:50	CMR	EET PIT
		Instrument ID: NOEQUIP								

Eurofins Pittsburgh

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-147899-1

Client Sample ID: SSHS-ISMP-D7-4-6

Lab Sample ID: 180-147899-2

Date Collected: 11/12/22 14:45

Matrix: Solid

Date Received: 11/15/22 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			25.11 g	500 mL	878497	11/17/22 12:07	BJB	EET EDI
TCLP	Analysis	8260D		10	5 mL	5 mL	878652	11/18/22 15:48	CJM	EET EDI
		Instrument ID: CVOAMS11								
TCLP	Leach	1311			100.07 g	2000 mL	878577	11/17/22 17:00	YAH	EET EDI
TCLP	Prep	3510C			250 mL	2 mL	878706	11/18/22 09:38	SXS	EET EDI
TCLP	Analysis	8270E		1	1 mL	1 mL	878836	11/19/22 08:23	YAH	EET EDI
		Instrument ID: CBNAMS18								
TCLP	Leach	1311			100.07 g	2000 mL	878577	11/17/22 17:00	YAH	EET EDI
TCLP	Prep	3010A			50 mL	50 mL	878745	11/18/22 12:21	VAP	EET EDI
TCLP	Analysis	6010D		5			878798	11/18/22 20:02	DLE	EET EDI
		Instrument ID: ICP5								
TCLP	Leach	1311			100.07 g	2000 mL	878577	11/17/22 17:00	YAH	EET EDI
TCLP	Prep	7470A			30 mL	30 mL	878759	11/18/22 14:20	RBS	EET EDI
TCLP	Analysis	7470A		1			878781	11/18/22 16:07	RBS	EET EDI
		Instrument ID: LEEMAN6								
Total/NA	Analysis	2540G		1			418282	11/15/22 15:48	LAK	EET PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	EPA 1020B		1			418410	11/16/22 15:35	BAC	EET PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	EPA 9045D		1	19.79 g	20 mL	418411	11/16/22 18:29	ELS	EET PIT
		Instrument ID: NOEQUIP								

Client Sample ID: SSHS-ISMP-D7-4-6

Lab Sample ID: 180-147899-2

Date Collected: 11/12/22 14:45

Matrix: Solid

Date Received: 11/15/22 09:00

Percent Solids: 85.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.36 g	20.0 mL	418382	11/16/22 12:37	SAB	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	418452	11/17/22 05:51	SMW	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	418454	11/17/22 05:52	SMW	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	419015	11/23/22 21:56	JMO	EET PIT
		Instrument ID: CHGC16								
Total/NA	Prep	9010C			0.25 g	10 mL	418392	11/16/22 16:45	CMR	EET PIT
Total/NA	Analysis	EPA 9014		1			418442	11/16/22 18:20	CMR	EET PIT
		Instrument ID: SEAL1								
Total/NA	Prep	9030B			5.08 g	50 mL	418290	11/16/22 05:45	CMR	EET PIT
Total/NA	Analysis	EPA 9034		1			418371	11/16/22 07:52	CMR	EET PIT
		Instrument ID: NOEQUIP								

* Completion dates and times are reported or not reported per method requirements or individual lab discretion.

Laboratory References:

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

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

Eurofins Pittsburgh

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-147899-1

Analyst References:

Lab: EET EDI

Batch Type: Leach

BJB = Benjamin Baker

YAH = Youhao Hu

Batch Type: Prep

RBS = Razia Sheikh

SXS = Sameer Shukla

VAP = Vanita Patel

Batch Type: Analysis

CJM = Christopher Moroney

DLE = Donald Evans

RBS = Razia Sheikh

YAH = Yahia Hamzi

Lab: EET PIT

Batch Type: Cleanup

SMW = Shelby Walters

Batch Type: Prep

CMR = Carl Reagle

SAB = Sharon Bacha

Batch Type: Analysis

BAC = Blase Cindric

CMR = Carl Reagle

ELS = Edwin Shireman

JMO = John Oravec

LAK = Linda Khouri

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-147899-1

Client Sample ID: SSHS-ISMP-D7-2-4

Lab Sample ID: 180-147899-1

Date Collected: 11/12/22 14:35

Matrix: Solid

Date Received: 11/15/22 09:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0026	J	0.010	0.0020	mg/L			11/18/22 15:25	10
2-Butanone (MEK)	ND		0.050	0.019	mg/L			11/18/22 15:25	10
Carbon tetrachloride	ND		0.010	0.0021	mg/L			11/18/22 15:25	10
Chlorobenzene	ND		0.010	0.0038	mg/L			11/18/22 15:25	10
Chloroform	ND		0.010	0.0033	mg/L			11/18/22 15:25	10
1,2-Dichloroethane	ND		0.010	0.0043	mg/L			11/18/22 15:25	10
1,1-Dichloroethene	ND		0.010	0.0026	mg/L			11/18/22 15:25	10
Tetrachloroethene	ND		0.010	0.0025	mg/L			11/18/22 15:25	10
Trichloroethene	ND		0.010	0.0031	mg/L			11/18/22 15:25	10
Vinyl chloride	ND		0.010	0.0017	mg/L			11/18/22 15:25	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	112		76 - 120		11/18/22 15:25	10
Dibromofluoromethane (Surr)	109		77 - 124		11/18/22 15:25	10
1,2-Dichloroethane-d4 (Surr)	106		70 - 128		11/18/22 15:25	10
Toluene-d8 (Surr)	88		80 - 120		11/18/22 15:25	10

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.010	0.00040	mg/L		11/18/22 09:38	11/19/22 08:03	1
2,4-Dinitrotoluene	ND		0.010	0.0010	mg/L		11/18/22 09:38	11/19/22 08:03	1
Hexachlorobenzene	ND		0.0010	0.00040	mg/L		11/18/22 09:38	11/19/22 08:03	1
Hexachlorobutadiene	ND		0.0020	0.00080	mg/L		11/18/22 09:38	11/19/22 08:03	1
Hexachloroethane	ND		0.0020	0.0012	mg/L		11/18/22 09:38	11/19/22 08:03	1
2-Methylphenol	ND		0.010	0.00060	mg/L		11/18/22 09:38	11/19/22 08:03	1
Methylphenol, 3 & 4	ND		0.010	0.00060	mg/L		11/18/22 09:38	11/19/22 08:03	1
Nitrobenzene	ND		0.0010	0.00060	mg/L		11/18/22 09:38	11/19/22 08:03	1
Pentachlorophenol	ND		0.030	0.0014	mg/L		11/18/22 09:38	11/19/22 08:03	1
Pyridine	ND		0.010	0.0019	mg/L		11/18/22 09:38	11/19/22 08:03	1
2,4,5-Trichlorophenol	ND		0.010	0.00080	mg/L		11/18/22 09:38	11/19/22 08:03	1
2,4,6-Trichlorophenol	ND		0.010	0.00080	mg/L		11/18/22 09:38	11/19/22 08:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	111		46 - 139	11/18/22 09:38	11/19/22 08:03	1
2-Fluorophenol (Surr)	51		19 - 80	11/18/22 09:38	11/19/22 08:03	1
Nitrobenzene-d5 (Surr)	106		52 - 137	11/18/22 09:38	11/19/22 08:03	1
Phenol-d5 (Surr)	31		10 - 56	11/18/22 09:38	11/19/22 08:03	1
Terphenyl-d14 (Surr)	101		22 - 150	11/18/22 09:38	11/19/22 08:03	1
2,4,6-Tribromophenol (Surr)	135		37 - 150	11/18/22 09:38	11/19/22 08:03	1

Method: SW846 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.075	0.025	mg/L		11/18/22 12:21	11/18/22 19:58	5
Barium	0.33	J	1.0	0.14	mg/L		11/18/22 12:21	11/18/22 19:58	5
Cadmium	ND		0.020	0.0018	mg/L		11/18/22 12:21	11/18/22 19:58	5
Chromium	ND		0.050	0.025	mg/L		11/18/22 12:21	11/18/22 19:58	5
Lead	0.043	J	0.050	0.013	mg/L		11/18/22 12:21	11/18/22 19:58	5
Selenium	ND		0.10	0.035	mg/L		11/18/22 12:21	11/18/22 19:58	5
Silver	ND		0.050	0.016	mg/L		11/18/22 12:21	11/18/22 19:58	5

Eurofins Pittsburgh

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-147899-1

Client Sample ID: SSHS-ISMP-D7-2-4

Lab Sample ID: 180-147899-1

Date Collected: 11/12/22 14:35

Matrix: Solid

Date Received: 11/15/22 09:00

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000091	mg/L		11/18/22 14:20	11/18/22 16:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	15.4		0.1	0.1	%			11/15/22 15:48	1
Percent Solids (SM22 2540G)	84.6		0.1	0.1	%			11/15/22 15:48	1
Ignitability (SW846 EPA 1020B)	>140				Degrees F			11/16/22 15:32	1
pH (SW846 EPA 9045D)	8.6	HF	0.1	0.1	SU			11/16/22 18:18	1

Client Sample ID: SSHS-ISMP-D7-2-4

Lab Sample ID: 180-147899-1

Date Collected: 11/12/22 14:35

Matrix: Solid

Date Received: 11/15/22 09:00

Percent Solids: 84.6

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.3	ug/Kg	☆	11/16/22 12:37	11/23/22 21:37	1
PCB-1221	ND		19	6.8	ug/Kg	☆	11/16/22 12:37	11/23/22 21:37	1
PCB-1232	ND		19	4.7	ug/Kg	☆	11/16/22 12:37	11/23/22 21:37	1
PCB-1242	ND		19	2.8	ug/Kg	☆	11/16/22 12:37	11/23/22 21:37	1
PCB-1248	59		19	4.6	ug/Kg	☆	11/16/22 12:37	11/23/22 21:37	1
PCB-1254	24		19	5.8	ug/Kg	☆	11/16/22 12:37	11/23/22 21:37	1
PCB-1260	ND		19	5.5	ug/Kg	☆	11/16/22 12:37	11/23/22 21:37	1
PCB-1262	ND		19	6.8	ug/Kg	☆	11/16/22 12:37	11/23/22 21:37	1
PCB-1268	ND		19	2.6	ug/Kg	☆	11/16/22 12:37	11/23/22 21:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	78		63 - 138	11/16/22 12:37	11/23/22 21:37	1
DCB Decachlorobiphenyl (Surr)	82		63 - 138	11/16/22 12:37	11/23/22 21:37	1
Tetrachloro-m-xylene (Surr)	91		55 - 135	11/16/22 12:37	11/23/22 21:37	1
Tetrachloro-m-xylene (Surr)	85		55 - 135	11/16/22 12:37	11/23/22 21:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 EPA 9014)	ND		0.41	0.31	mg/Kg	☆	11/16/22 16:45	11/16/22 18:19	1
Sulfide (SW846 EPA 9034)	ND		35	12	mg/Kg	☆	11/16/22 05:45	11/16/22 07:50	1

Client Sample ID: SSHS-ISMP-D7-4-6

Lab Sample ID: 180-147899-2

Date Collected: 11/12/22 14:45

Matrix: Solid

Date Received: 11/15/22 09:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.010	0.0020	mg/L			11/18/22 15:48	10
2-Butanone (MEK)	ND		0.050	0.019	mg/L			11/18/22 15:48	10
Carbon tetrachloride	ND		0.010	0.0021	mg/L			11/18/22 15:48	10
Chlorobenzene	ND		0.010	0.0038	mg/L			11/18/22 15:48	10
Chloroform	ND		0.010	0.0033	mg/L			11/18/22 15:48	10
1,2-Dichloroethane	ND		0.010	0.0043	mg/L			11/18/22 15:48	10
1,1-Dichloroethene	ND		0.010	0.0026	mg/L			11/18/22 15:48	10
Tetrachloroethene	ND		0.010	0.0025	mg/L			11/18/22 15:48	10
Trichloroethene	ND		0.010	0.0031	mg/L			11/18/22 15:48	10

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Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-147899-1

Client Sample ID: SSHS-ISMP-D7-4-6

Lab Sample ID: 180-147899-2

Date Collected: 11/12/22 14:45

Matrix: Solid

Date Received: 11/15/22 09:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.010	0.0017	mg/L			11/18/22 15:48	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	110		76 - 120					11/18/22 15:48	10
Dibromofluoromethane (Surr)	112		77 - 124					11/18/22 15:48	10
1,2-Dichloroethane-d4 (Surr)	107		70 - 128					11/18/22 15:48	10
Toluene-d8 (Surr)	93		80 - 120					11/18/22 15:48	10

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.010	0.00040	mg/L		11/18/22 09:38	11/19/22 08:23	1
2,4-Dinitrotoluene	ND		0.010	0.0010	mg/L		11/18/22 09:38	11/19/22 08:23	1
Hexachlorobenzene	ND		0.0010	0.00040	mg/L		11/18/22 09:38	11/19/22 08:23	1
Hexachlorobutadiene	ND		0.0020	0.00080	mg/L		11/18/22 09:38	11/19/22 08:23	1
Hexachloroethane	ND		0.0020	0.0012	mg/L		11/18/22 09:38	11/19/22 08:23	1
2-Methylphenol	ND		0.010	0.00060	mg/L		11/18/22 09:38	11/19/22 08:23	1
Methylphenol, 3 & 4	ND		0.010	0.00060	mg/L		11/18/22 09:38	11/19/22 08:23	1
Nitrobenzene	ND		0.0010	0.00060	mg/L		11/18/22 09:38	11/19/22 08:23	1
Pentachlorophenol	ND		0.030	0.0014	mg/L		11/18/22 09:38	11/19/22 08:23	1
Pyridine	ND		0.010	0.0019	mg/L		11/18/22 09:38	11/19/22 08:23	1
2,4,5-Trichlorophenol	ND		0.010	0.00080	mg/L		11/18/22 09:38	11/19/22 08:23	1
2,4,6-Trichlorophenol	ND		0.010	0.00080	mg/L		11/18/22 09:38	11/19/22 08:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	98		46 - 139				11/18/22 09:38	11/19/22 08:23	1
2-Fluorophenol (Surr)	41		19 - 80				11/18/22 09:38	11/19/22 08:23	1
Nitrobenzene-d5 (Surr)	97		52 - 137				11/18/22 09:38	11/19/22 08:23	1
Phenol-d5 (Surr)	26		10 - 56				11/18/22 09:38	11/19/22 08:23	1
Terphenyl-d14 (Surr)	80		22 - 150				11/18/22 09:38	11/19/22 08:23	1
2,4,6-Tribromophenol (Surr)	119		37 - 150				11/18/22 09:38	11/19/22 08:23	1

Method: SW846 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.075	0.025	mg/L		11/18/22 12:21	11/18/22 20:02	5
Barium	0.28	J	1.0	0.14	mg/L		11/18/22 12:21	11/18/22 20:02	5
Cadmium	ND		0.020	0.0018	mg/L		11/18/22 12:21	11/18/22 20:02	5
Chromium	ND		0.050	0.025	mg/L		11/18/22 12:21	11/18/22 20:02	5
Lead	0.016	J	0.050	0.013	mg/L		11/18/22 12:21	11/18/22 20:02	5
Selenium	ND		0.10	0.035	mg/L		11/18/22 12:21	11/18/22 20:02	5
Silver	ND		0.050	0.016	mg/L		11/18/22 12:21	11/18/22 20:02	5

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000091	mg/L		11/18/22 14:20	11/18/22 16:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	15.0		0.1	0.1	%			11/15/22 15:48	1
Percent Solids (SM22 2540G)	85.0		0.1	0.1	%			11/15/22 15:48	1
Ignitability (SW846 EPA 1020B)	>140				Degrees F			11/16/22 15:35	1
pH (SW846 EPA 9045D)	8.6	HF	0.1	0.1	SU			11/16/22 18:29	1

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Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-147899-1

Client Sample ID: SSHS-ISMP-D7-4-6

Lab Sample ID: 180-147899-2

Date Collected: 11/12/22 14:45

Matrix: Solid

Date Received: 11/15/22 09:00

Percent Solids: 85.0

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.2	ug/Kg	✱	11/16/22 12:37	11/23/22 21:56	1
PCB-1221	ND		19	6.8	ug/Kg	✱	11/16/22 12:37	11/23/22 21:56	1
PCB-1232	ND		19	4.7	ug/Kg	✱	11/16/22 12:37	11/23/22 21:56	1
PCB-1242	ND		19	2.8	ug/Kg	✱	11/16/22 12:37	11/23/22 21:56	1
PCB-1248	120		19	4.6	ug/Kg	✱	11/16/22 12:37	11/23/22 21:56	1
PCB-1254	52		19	5.7	ug/Kg	✱	11/16/22 12:37	11/23/22 21:56	1
PCB-1260	ND		19	5.4	ug/Kg	✱	11/16/22 12:37	11/23/22 21:56	1
PCB-1262	ND		19	6.7	ug/Kg	✱	11/16/22 12:37	11/23/22 21:56	1
PCB-1268	ND		19	2.6	ug/Kg	✱	11/16/22 12:37	11/23/22 21:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	73		63 - 138	11/16/22 12:37	11/23/22 21:56	1
DCB Decachlorobiphenyl (Surr)	74		63 - 138	11/16/22 12:37	11/23/22 21:56	1
Tetrachloro-m-xylene (Surr)	83		55 - 135	11/16/22 12:37	11/23/22 21:56	1
Tetrachloro-m-xylene (Surr)	77		55 - 135	11/16/22 12:37	11/23/22 21:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 EPA 9014)	ND		0.47	0.36	mg/Kg	✱	11/16/22 16:45	11/16/22 18:20	1
Sulfide (SW846 EPA 9034)	ND		35	12	mg/Kg	✱	11/16/22 05:45	11/16/22 07:52	1

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QC Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-147899-1

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

Lab Sample ID: MB 460-878652/9

Matrix: Solid

Analysis Batch: 878652

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0010	0.00020	mg/L			11/18/22 10:18	1
2-Butanone (MEK)	ND		0.0050	0.0019	mg/L			11/18/22 10:18	1
Carbon tetrachloride	ND		0.0010	0.00021	mg/L			11/18/22 10:18	1
Chlorobenzene	ND		0.0010	0.00038	mg/L			11/18/22 10:18	1
Chloroform	ND		0.0010	0.00033	mg/L			11/18/22 10:18	1
1,2-Dichloroethane	ND		0.0010	0.00043	mg/L			11/18/22 10:18	1
1,1-Dichloroethene	ND		0.0010	0.00026	mg/L			11/18/22 10:18	1
Tetrachloroethene	ND		0.0010	0.00025	mg/L			11/18/22 10:18	1
Trichloroethene	ND		0.0010	0.00031	mg/L			11/18/22 10:18	1
Vinyl chloride	ND		0.0010	0.00017	mg/L			11/18/22 10:18	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	108		76 - 120		11/18/22 10:18	1
Dibromofluoromethane (Surr)	106		77 - 124		11/18/22 10:18	1
1,2-Dichloroethane-d4 (Surr)	104		70 - 128		11/18/22 10:18	1
Toluene-d8 (Surr)	96		80 - 120		11/18/22 10:18	1

Lab Sample ID: LCS 460-878652/3

Matrix: Solid

Analysis Batch: 878652

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.0200	0.0198		mg/L		99	71 - 126
2-Butanone (MEK)	0.100	0.101		mg/L		101	61 - 128
Carbon tetrachloride	0.0200	0.0224		mg/L		112	61 - 131
Chlorobenzene	0.0200	0.0199		mg/L		100	80 - 120
Chloroform	0.0200	0.0208		mg/L		104	78 - 125
1,2-Dichloroethane	0.0200	0.0208		mg/L		104	66 - 129
1,1-Dichloroethene	0.0200	0.0218		mg/L		109	68 - 133
Tetrachloroethene	0.0200	0.0197		mg/L		98	70 - 127
Trichloroethene	0.0200	0.0204		mg/L		102	71 - 121
Vinyl chloride	0.0200	0.0234		mg/L		117	55 - 144

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	115		76 - 120
Dibromofluoromethane (Surr)	100		77 - 124
1,2-Dichloroethane-d4 (Surr)	103		70 - 128
Toluene-d8 (Surr)	97		80 - 120

Lab Sample ID: LCSD 460-878652/4

Matrix: Solid

Analysis Batch: 878652

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.0200	0.0209		mg/L		105	71 - 126	6	30
2-Butanone (MEK)	0.100	0.107		mg/L		107	61 - 128	6	30
Carbon tetrachloride	0.0200	0.0240		mg/L		120	61 - 131	7	30
Chlorobenzene	0.0200	0.0206		mg/L		103	80 - 120	3	30

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QC Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-147899-1

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

Lab Sample ID: LCSD 460-878652/4

Matrix: Solid

Analysis Batch: 878652

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloroform	0.0200	0.0227		mg/L		113	78 - 125	8	30
1,2-Dichloroethane	0.0200	0.0224		mg/L		112	66 - 129	7	30
1,1-Dichloroethene	0.0200	0.0239		mg/L		119	68 - 133	9	30
Tetrachloroethene	0.0200	0.0216		mg/L		108	70 - 127	10	30
Trichloroethene	0.0200	0.0218		mg/L		109	71 - 121	7	30
Vinyl chloride	0.0200	0.0255		mg/L		127	55 - 144	9	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	120		76 - 120
Dibromofluoromethane (Surr)	107		77 - 124
1,2-Dichloroethane-d4 (Surr)	108		70 - 128
Toluene-d8 (Surr)	103		80 - 120

Lab Sample ID: LB 460-878497/1-A

Matrix: Solid

Analysis Batch: 878652

Client Sample ID: Method Blank

Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.010	0.0020	mg/L			11/18/22 10:50	10
2-Butanone (MEK)	ND		0.050	0.019	mg/L			11/18/22 10:50	10
Carbon tetrachloride	ND		0.010	0.0021	mg/L			11/18/22 10:50	10
Chlorobenzene	ND		0.010	0.0038	mg/L			11/18/22 10:50	10
Chloroform	ND		0.010	0.0033	mg/L			11/18/22 10:50	10
1,2-Dichloroethane	ND		0.010	0.0043	mg/L			11/18/22 10:50	10
1,1-Dichloroethene	ND		0.010	0.0026	mg/L			11/18/22 10:50	10
Tetrachloroethene	ND		0.010	0.0025	mg/L			11/18/22 10:50	10
Trichloroethene	ND		0.010	0.0031	mg/L			11/18/22 10:50	10
Vinyl chloride	ND		0.010	0.0017	mg/L			11/18/22 10:50	10

Surrogate	LB %Recovery	LB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	105		76 - 120		11/18/22 10:50	10
Dibromofluoromethane (Surr)	107		77 - 124		11/18/22 10:50	10
1,2-Dichloroethane-d4 (Surr)	103		70 - 128		11/18/22 10:50	10
Toluene-d8 (Surr)	92		80 - 120		11/18/22 10:50	10

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

Lab Sample ID: MB 460-878706/1-A

Matrix: Solid

Analysis Batch: 878836

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 878706

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.010	0.00040	mg/L		11/18/22 09:37	11/18/22 23:59	1
2,4-Dinitrotoluene	ND		0.010	0.0010	mg/L		11/18/22 09:37	11/18/22 23:59	1
Hexachlorobenzene	ND		0.0010	0.00040	mg/L		11/18/22 09:37	11/18/22 23:59	1
Hexachlorobutadiene	ND		0.0020	0.00080	mg/L		11/18/22 09:37	11/18/22 23:59	1
Hexachloroethane	ND		0.0020	0.0012	mg/L		11/18/22 09:37	11/18/22 23:59	1
2-Methylphenol	ND		0.010	0.00060	mg/L		11/18/22 09:37	11/18/22 23:59	1

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QC Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-147899-1

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

Lab Sample ID: MB 460-878706/1-A

Matrix: Solid

Analysis Batch: 878836

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 878706

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylphenol, 3 & 4	ND		0.010	0.00060	mg/L		11/18/22 09:37	11/18/22 23:59	1
Nitrobenzene	ND		0.0010	0.00060	mg/L		11/18/22 09:37	11/18/22 23:59	1
Pentachlorophenol	ND		0.030	0.0014	mg/L		11/18/22 09:37	11/18/22 23:59	1
Pyridine	ND		0.010	0.0019	mg/L		11/18/22 09:37	11/18/22 23:59	1
2,4,5-Trichlorophenol	ND		0.010	0.00080	mg/L		11/18/22 09:37	11/18/22 23:59	1
2,4,6-Trichlorophenol	ND		0.010	0.00080	mg/L		11/18/22 09:37	11/18/22 23:59	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	88		46 - 139	11/18/22 09:37	11/18/22 23:59	1
2-Fluorophenol (Surr)	40		19 - 80	11/18/22 09:37	11/18/22 23:59	1
Nitrobenzene-d5 (Surr)	89		52 - 137	11/18/22 09:37	11/18/22 23:59	1
Phenol-d5 (Surr)	25		10 - 56	11/18/22 09:37	11/18/22 23:59	1
Terphenyl-d14 (Surr)	88		22 - 150	11/18/22 09:37	11/18/22 23:59	1
2,4,6-Tribromophenol (Surr)	108		37 - 150	11/18/22 09:37	11/18/22 23:59	1

Lab Sample ID: LCS 460-878706/2-A

Matrix: Solid

Analysis Batch: 878836

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 878706

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dichlorobenzene	0.0800	0.0524		mg/L		66	35 - 120
2,4-Dinitrotoluene	0.0800	0.0846		mg/L		106	68 - 134
Hexachlorobenzene	0.0800	0.0808		mg/L		101	61 - 128
Hexachlorobutadiene	0.0800	0.0602		mg/L		75	27 - 127
Hexachloroethane	0.0800	0.0518		mg/L		65	26 - 120
2-Methylphenol	0.0800	0.0467		mg/L		58	44 - 120
Methylphenol, 3 & 4	0.0800	0.0394		mg/L		49	33 - 120
Nitrobenzene	0.0800	0.0653		mg/L		82	64 - 120
Pentachlorophenol	0.160	0.105		mg/L		65	24 - 131
Pyridine	0.160	0.0508		mg/L		32	10 - 120
2,4,5-Trichlorophenol	0.0800	0.0765		mg/L		96	58 - 120
2,4,6-Trichlorophenol	0.0800	0.0781		mg/L		98	61 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	85		46 - 139
2-Fluorophenol (Surr)	42		19 - 80
Nitrobenzene-d5 (Surr)	87		52 - 137
Phenol-d5 (Surr)	28		10 - 56
Terphenyl-d14 (Surr)	87		22 - 150
2,4,6-Tribromophenol (Surr)	117		37 - 150

Lab Sample ID: LCSD 460-878706/3-A

Matrix: Solid

Analysis Batch: 878836

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 878706

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dichlorobenzene	0.0800	0.0536		mg/L		67	35 - 120	2	30
2,4-Dinitrotoluene	0.0800	0.0863		mg/L		108	68 - 134	2	30

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QC Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-147899-1

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

Lab Sample ID: LCSD 460-878706/3-A

Matrix: Solid

Analysis Batch: 878836

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 878706

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Hexachlorobenzene	0.0800	0.0813		mg/L		102	61 - 128	1	30
Hexachlorobutadiene	0.0800	0.0634		mg/L		79	27 - 127	5	30
Hexachloroethane	0.0800	0.0526		mg/L		66	26 - 120	1	30
2-Methylphenol	0.0800	0.0475		mg/L		59	44 - 120	2	30
Methylphenol, 3 & 4	0.0800	0.0376		mg/L		47	33 - 120	5	30
Nitrobenzene	0.0800	0.0615		mg/L		77	64 - 120	6	30
Pentachlorophenol	0.160	0.111		mg/L		70	24 - 131	6	30
Pyridine	0.160	0.0479		mg/L		30	10 - 120	6	30
2,4,5-Trichlorophenol	0.0800	0.0754		mg/L		94	58 - 120	1	30
2,4,6-Trichlorophenol	0.0800	0.0765		mg/L		96	61 - 120	2	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorobiphenyl	86		46 - 139
2-Fluorophenol (Surr)	41		19 - 80
Nitrobenzene-d5 (Surr)	85		52 - 137
Phenol-d5 (Surr)	26		10 - 56
Terphenyl-d14 (Surr)	92		22 - 150
2,4,6-Tribromophenol (Surr)	117		37 - 150

Lab Sample ID: LB 460-878577/1-B

Matrix: Solid

Analysis Batch: 878836

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 878706

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.010	0.00040	mg/L		11/18/22 09:38	11/19/22 06:17	1
2,4-Dinitrotoluene	ND		0.010	0.0010	mg/L		11/18/22 09:38	11/19/22 06:17	1
Hexachlorobenzene	ND		0.0010	0.00040	mg/L		11/18/22 09:38	11/19/22 06:17	1
Hexachlorobutadiene	ND		0.0020	0.00080	mg/L		11/18/22 09:38	11/19/22 06:17	1
Hexachloroethane	ND		0.0020	0.0012	mg/L		11/18/22 09:38	11/19/22 06:17	1
2-Methylphenol	ND		0.010	0.00060	mg/L		11/18/22 09:38	11/19/22 06:17	1
Methylphenol, 3 & 4	ND		0.010	0.00060	mg/L		11/18/22 09:38	11/19/22 06:17	1
Nitrobenzene	ND		0.0010	0.00060	mg/L		11/18/22 09:38	11/19/22 06:17	1
Pentachlorophenol	ND		0.030	0.0014	mg/L		11/18/22 09:38	11/19/22 06:17	1
Pyridine	ND		0.010	0.0019	mg/L		11/18/22 09:38	11/19/22 06:17	1
2,4,5-Trichlorophenol	ND		0.010	0.00080	mg/L		11/18/22 09:38	11/19/22 06:17	1
2,4,6-Trichlorophenol	ND		0.010	0.00080	mg/L		11/18/22 09:38	11/19/22 06:17	1

Surrogate	LB %Recovery	LB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	108		46 - 139	11/18/22 09:38	11/19/22 06:17	1
2-Fluorophenol (Surr)	51		19 - 80	11/18/22 09:38	11/19/22 06:17	1
Nitrobenzene-d5 (Surr)	111		52 - 137	11/18/22 09:38	11/19/22 06:17	1
Phenol-d5 (Surr)	31		10 - 56	11/18/22 09:38	11/19/22 06:17	1
Terphenyl-d14 (Surr)	103		22 - 150	11/18/22 09:38	11/19/22 06:17	1
2,4,6-Tribromophenol (Surr)	130		37 - 150	11/18/22 09:38	11/19/22 06:17	1

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QC Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-147899-1

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

Lab Sample ID: MB 180-418382/1-A
Matrix: Solid
Analysis Batch: 419015

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 418382

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.4	ug/Kg		11/16/22 12:37	11/23/22 17:30	1
PCB-1221	ND		17	5.9	ug/Kg		11/16/22 12:37	11/23/22 17:30	1
PCB-1232	ND		17	4.1	ug/Kg		11/16/22 12:37	11/23/22 17:30	1
PCB-1242	ND		17	2.4	ug/Kg		11/16/22 12:37	11/23/22 17:30	1
PCB-1248	ND		17	4.0	ug/Kg		11/16/22 12:37	11/23/22 17:30	1
PCB-1254	ND		17	5.0	ug/Kg		11/16/22 12:37	11/23/22 17:30	1
PCB-1260	ND		17	4.7	ug/Kg		11/16/22 12:37	11/23/22 17:30	1
PCB-1262	ND		17	5.9	ug/Kg		11/16/22 12:37	11/23/22 17:30	1
PCB-1268	ND		17	2.2	ug/Kg		11/16/22 12:37	11/23/22 17:30	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	87		63 - 138	11/16/22 12:37	11/23/22 17:30	1
DCB Decachlorobiphenyl (Surr)	90		63 - 138	11/16/22 12:37	11/23/22 17:30	1
Tetrachloro-m-xylene (Surr)	89		55 - 135	11/16/22 12:37	11/23/22 17:30	1
Tetrachloro-m-xylene (Surr)	83		55 - 135	11/16/22 12:37	11/23/22 17:30	1

Lab Sample ID: LCS 180-418382/2-A
Matrix: Solid
Analysis Batch: 419015

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 418382

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
PCB-1016	1330	1110		ug/Kg		83	43 - 136
PCB-1260	1330	920		ug/Kg		69	55 - 128

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	90		63 - 138
DCB Decachlorobiphenyl (Surr)	96		63 - 138
Tetrachloro-m-xylene (Surr)	100		55 - 135
Tetrachloro-m-xylene (Surr)	93		55 - 135

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 460-878745/1-A
Matrix: Solid
Analysis Batch: 878798

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 878745

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0050	mg/L		11/18/22 12:21	11/18/22 19:13	1
Barium	ND		0.20	0.028	mg/L		11/18/22 12:21	11/18/22 19:13	1
Cadmium	ND		0.0040	0.00036	mg/L		11/18/22 12:21	11/18/22 19:13	1
Chromium	ND		0.010	0.0050	mg/L		11/18/22 12:21	11/18/22 19:13	1
Lead	ND		0.010	0.0026	mg/L		11/18/22 12:21	11/18/22 19:13	1
Selenium	ND		0.020	0.0070	mg/L		11/18/22 12:21	11/18/22 19:13	1
Silver	ND		0.010	0.0032	mg/L		11/18/22 12:21	11/18/22 19:13	1

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QC Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-147899-1

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

Lab Sample ID: LCS 460-878745/2-A
Matrix: Solid
Analysis Batch: 878798

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 878745

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	5.00	5.28		mg/L		106	80 - 120
Barium	10.0	11.4		mg/L		114	80 - 120
Cadmium	1.00	1.12		mg/L		112	80 - 120
Chromium	5.00	5.60		mg/L		112	80 - 120
Lead	5.00	5.51		mg/L		110	80 - 120
Selenium	1.00	1.13		mg/L		113	80 - 120
Silver	0.500	0.510		mg/L		102	80 - 120

Lab Sample ID: LB 460-878577/1-E
Matrix: Solid
Analysis Batch: 878798

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 878745

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.075	0.025	mg/L		11/18/22 12:31	11/18/22 20:06	5
Barium	ND		1.0	0.14	mg/L		11/18/22 12:31	11/18/22 20:06	5
Cadmium	ND		0.020	0.0018	mg/L		11/18/22 12:31	11/18/22 20:06	5
Chromium	ND		0.050	0.025	mg/L		11/18/22 12:31	11/18/22 20:06	5
Lead	ND		0.050	0.013	mg/L		11/18/22 12:31	11/18/22 20:06	5
Selenium	ND		0.10	0.035	mg/L		11/18/22 12:31	11/18/22 20:06	5
Silver	ND		0.050	0.016	mg/L		11/18/22 12:31	11/18/22 20:06	5

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 460-878759/1-A
Matrix: Solid
Analysis Batch: 878781

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 878759

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000091	mg/L		11/18/22 14:20	11/18/22 15:45	1

Lab Sample ID: LCS 460-878759/2-A
Matrix: Solid
Analysis Batch: 878781

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 878759

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00500	0.00515		mg/L		103	80 - 120

Lab Sample ID: LB 460-878577/1-F
Matrix: Solid
Analysis Batch: 878781

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 878759

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000091	mg/L		11/18/22 14:21	11/18/22 16:26	1

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QC Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-147899-1

Method: 2540G - SM 2540G

Lab Sample ID: 180-147899-1 DU
Matrix: Solid
Analysis Batch: 418282

Client Sample ID: SSHS-ISMP-D7-2-4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	15.4		14.5		%		6	10
Percent Solids	84.6		85.5		%		1	10

Method: EPA 9014 - Cyanide

Lab Sample ID: MB 180-418392/4-A
Matrix: Solid
Analysis Batch: 418442

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 418392

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.50	0.38	mg/Kg		11/16/22 16:45	11/16/22 18:10	1

Lab Sample ID: HLCS 180-418392/2-A
Matrix: Solid
Analysis Batch: 418442

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 418392

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.250	0.249		mg/Kg		100	90 - 110

Lab Sample ID: LCS 180-418392/3-A
Matrix: Solid
Analysis Batch: 418442

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 418392

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	120	94.9		mg/Kg		79	17 - 163

Lab Sample ID: LLCS 180-418392/1-A
Matrix: Solid
Analysis Batch: 418442

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 418392

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.0500	0.0474		mg/Kg		95	90 - 110

Method: EPA 9034 - Sulfide, Acid soluble and Insoluble (Titrimetric)

Lab Sample ID: MB 180-418290/1-A
Matrix: Solid
Analysis Batch: 418371

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 418290

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	ND		30	10	mg/Kg		11/16/22 05:45	11/16/22 07:23	1

Lab Sample ID: LCS 180-418290/2-A
Matrix: Solid
Analysis Batch: 418371

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 418290

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	151	137		mg/Kg		91	85 - 115

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QC Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-147899-1

Method: EPA 9045D - pH

Lab Sample ID: LCS 180-418411/1
Matrix: Solid
Analysis Batch: 418411

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
pH	7.00	7.0		SU		100	99 - 101

QC Association Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-147899-1

GC/MS VOA

Leach Batch: 878497

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-147899-1	SSHS-ISMP-D7-2-4	TCLP	Solid	1311	
180-147899-2	SSHS-ISMP-D7-4-6	TCLP	Solid	1311	
LB 460-878497/1-A	Method Blank	TCLP	Solid	1311	

Analysis Batch: 878652

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-147899-1	SSHS-ISMP-D7-2-4	TCLP	Solid	8260D	878497
180-147899-2	SSHS-ISMP-D7-4-6	TCLP	Solid	8260D	878497
LB 460-878497/1-A	Method Blank	TCLP	Solid	8260D	878497
MB 460-878652/9	Method Blank	Total/NA	Solid	8260D	
LCS 460-878652/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-878652/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

GC/MS Semi VOA

Leach Batch: 878577

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-147899-1	SSHS-ISMP-D7-2-4	TCLP	Solid	1311	
180-147899-2	SSHS-ISMP-D7-4-6	TCLP	Solid	1311	
LB 460-878577/1-B	Method Blank	TCLP	Solid	1311	

Prep Batch: 878706

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-147899-1	SSHS-ISMP-D7-2-4	TCLP	Solid	3510C	878577
180-147899-2	SSHS-ISMP-D7-4-6	TCLP	Solid	3510C	878577
LB 460-878577/1-B	Method Blank	TCLP	Solid	3510C	878577
MB 460-878706/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 460-878706/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 460-878706/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	

Analysis Batch: 878836

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-147899-1	SSHS-ISMP-D7-2-4	TCLP	Solid	8270E	878706
180-147899-2	SSHS-ISMP-D7-4-6	TCLP	Solid	8270E	878706
LB 460-878577/1-B	Method Blank	TCLP	Solid	8270E	878706
MB 460-878706/1-A	Method Blank	Total/NA	Solid	8270E	878706
LCS 460-878706/2-A	Lab Control Sample	Total/NA	Solid	8270E	878706
LCSD 460-878706/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	878706

GC Semi VOA

Prep Batch: 418382

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-147899-1	SSHS-ISMP-D7-2-4	Total/NA	Solid	3541	
180-147899-2	SSHS-ISMP-D7-4-6	Total/NA	Solid	3541	
MB 180-418382/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-418382/2-A	Lab Control Sample	Total/NA	Solid	3541	

Cleanup Batch: 418452

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-147899-1	SSHS-ISMP-D7-2-4	Total/NA	Solid	3665A	418382
180-147899-2	SSHS-ISMP-D7-4-6	Total/NA	Solid	3665A	418382

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QC Association Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-147899-1

GC Semi VOA

Cleanup Batch: 418454

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-147899-1	SSHS-ISMP-D7-2-4	Total/NA	Solid	3660B	418452
180-147899-2	SSHS-ISMP-D7-4-6	Total/NA	Solid	3660B	418452

Analysis Batch: 419015

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-147899-1	SSHS-ISMP-D7-2-4	Total/NA	Solid	EPA 8082A	418454
180-147899-2	SSHS-ISMP-D7-4-6	Total/NA	Solid	EPA 8082A	418454
MB 180-418382/1-A	Method Blank	Total/NA	Solid	EPA 8082A	418382
LCS 180-418382/2-A	Lab Control Sample	Total/NA	Solid	EPA 8082A	418382

Metals

Leach Batch: 878577

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-147899-1	SSHS-ISMP-D7-2-4	TCLP	Solid	1311	
180-147899-2	SSHS-ISMP-D7-4-6	TCLP	Solid	1311	
LB 460-878577/1-E	Method Blank	TCLP	Solid	1311	
LB 460-878577/1-F	Method Blank	TCLP	Solid	1311	

Prep Batch: 878745

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-147899-1	SSHS-ISMP-D7-2-4	TCLP	Solid	3010A	878577
180-147899-2	SSHS-ISMP-D7-4-6	TCLP	Solid	3010A	878577
LB 460-878577/1-E	Method Blank	TCLP	Solid	3010A	878577
MB 460-878745/1-A	Method Blank	Total/NA	Solid	3010A	
LCS 460-878745/2-A	Lab Control Sample	Total/NA	Solid	3010A	

Prep Batch: 878759

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-147899-1	SSHS-ISMP-D7-2-4	TCLP	Solid	7470A	878577
180-147899-2	SSHS-ISMP-D7-4-6	TCLP	Solid	7470A	878577
LB 460-878577/1-F	Method Blank	TCLP	Solid	7470A	878577
MB 460-878759/1-A	Method Blank	Total/NA	Solid	7470A	
LCS 460-878759/2-A	Lab Control Sample	Total/NA	Solid	7470A	

Analysis Batch: 878781

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-147899-1	SSHS-ISMP-D7-2-4	TCLP	Solid	7470A	878759
180-147899-2	SSHS-ISMP-D7-4-6	TCLP	Solid	7470A	878759
LB 460-878577/1-F	Method Blank	TCLP	Solid	7470A	878759
MB 460-878759/1-A	Method Blank	Total/NA	Solid	7470A	878759
LCS 460-878759/2-A	Lab Control Sample	Total/NA	Solid	7470A	878759

Analysis Batch: 878798

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-147899-1	SSHS-ISMP-D7-2-4	TCLP	Solid	6010D	878745
180-147899-2	SSHS-ISMP-D7-4-6	TCLP	Solid	6010D	878745
LB 460-878577/1-E	Method Blank	TCLP	Solid	6010D	878745
MB 460-878745/1-A	Method Blank	Total/NA	Solid	6010D	878745
LCS 460-878745/2-A	Lab Control Sample	Total/NA	Solid	6010D	878745

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QC Association Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-147899-1

General Chemistry

Analysis Batch: 418282

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-147899-1	SSHS-ISMP-D7-2-4	Total/NA	Solid	2540G	
180-147899-2	SSHS-ISMP-D7-4-6	Total/NA	Solid	2540G	
180-147899-1 DU	SSHS-ISMP-D7-2-4	Total/NA	Solid	2540G	

Prep Batch: 418290

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-147899-1	SSHS-ISMP-D7-2-4	Total/NA	Solid	9030B	
180-147899-2	SSHS-ISMP-D7-4-6	Total/NA	Solid	9030B	
MB 180-418290/1-A	Method Blank	Total/NA	Solid	9030B	
LCS 180-418290/2-A	Lab Control Sample	Total/NA	Solid	9030B	

Analysis Batch: 418371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-147899-1	SSHS-ISMP-D7-2-4	Total/NA	Solid	EPA 9034	418290
180-147899-2	SSHS-ISMP-D7-4-6	Total/NA	Solid	EPA 9034	418290
MB 180-418290/1-A	Method Blank	Total/NA	Solid	EPA 9034	418290
LCS 180-418290/2-A	Lab Control Sample	Total/NA	Solid	EPA 9034	418290

Prep Batch: 418392

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-147899-1	SSHS-ISMP-D7-2-4	Total/NA	Solid	9010C	
180-147899-2	SSHS-ISMP-D7-4-6	Total/NA	Solid	9010C	
MB 180-418392/4-A	Method Blank	Total/NA	Solid	9010C	
HLCS 180-418392/2-A	Lab Control Sample	Total/NA	Solid	9010C	
LCS 180-418392/3-A	Lab Control Sample	Total/NA	Solid	9010C	
LLCS 180-418392/1-A	Lab Control Sample	Total/NA	Solid	9010C	

Analysis Batch: 418410

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-147899-1	SSHS-ISMP-D7-2-4	Total/NA	Solid	EPA 1020B	
180-147899-2	SSHS-ISMP-D7-4-6	Total/NA	Solid	EPA 1020B	

Analysis Batch: 418411

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-147899-1	SSHS-ISMP-D7-2-4	Total/NA	Solid	EPA 9045D	
180-147899-2	SSHS-ISMP-D7-4-6	Total/NA	Solid	EPA 9045D	
LCS 180-418411/1	Lab Control Sample	Total/NA	Solid	EPA 9045D	

Analysis Batch: 418442

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-147899-1	SSHS-ISMP-D7-2-4	Total/NA	Solid	EPA 9014	418392
180-147899-2	SSHS-ISMP-D7-4-6	Total/NA	Solid	EPA 9014	418392
MB 180-418392/4-A	Method Blank	Total/NA	Solid	EPA 9014	418392
HLCS 180-418392/2-A	Lab Control Sample	Total/NA	Solid	EPA 9014	418392
LCS 180-418392/3-A	Lab Control Sample	Total/NA	Solid	EPA 9014	418392
LLCS 180-418392/1-A	Lab Control Sample	Total/NA	Solid	EPA 9014	418392

Eurofins Pittsburgh

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Ver: 01/16/2019

Cooler Temperatures

	RAW	CORRECTED
Cooler #1:	58 °C	58 °C
Cooler #2:	47 °C	47 °C
Cooler #3:	°C	°C

	RAW	CORRECTED
Cooler #4:	°C	°C
Cooler #5:	°C	°C
Cooler #6:	°C	°C

	RAW	CORRECTED
Cooler #7:	°C	°C
Cooler #8:	°C	°C
Cooler #9:	°C	°C

[illegible]

Date: 11/27/2017

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-147899-1

Login Number: 147899

List Source: Eurofins Pittsburgh

List Number: 1

Creator: Dunlap, David A

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-147899-1

Login Number: 147899

List Number: 2

Creator: Sgro, Angela M

List Source: Eurofins Edison

List Creation: 11/15/22 08:35 PM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	1903882, 1976475
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	5.8/5.8 4.7/4.7 IR 9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Eurofins Pittsburgh

Job Notes

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

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



Authorized for release by
David Dunlap, Senior Project Manager
David.Dunlap@et.eurofinsus.com
(412)963-2432

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

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JOB DESCRIPTION

Former Sperry Remington-Characterization

JOB NUMBER

180-152100-1

Eurofins Pittsburgh

Job Notes

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

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



Authorized for release by
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Case Narrative

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-152100-1

Job ID: 180-152100-1

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative 180-152100-1

Receipt

The samples were received on 2/16/2023 at the Eurofins Pittsburgh, PA and Edison, NJ laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 4.1° C, 4.3° C, 4.4° C and 4.8° C.

GC/MS VOA

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

GC/MS Semi VOA

Method 8270E: The continuing calibration verification (CCV) analyzed in batch 460-889242 was above criteria for the following analyte: 2,4-Dinitrotoluene. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

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

GC Semi VOA

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

Metals

Method 6010C: The following sample was diluted to bring the concentration of lead within the linear range of the instrument: SSHS-IRM5-MP1 (180-152100-1). Elevated reporting limits (RLs) are provided.

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

General Chemistry

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

Definitions/Glossary

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-152100-1

Qualifiers

GC/MS VOA

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

GC Semi VOA

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

Metals

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

General Chemistry

Qualifier	Qualifier Description
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-152100-1

Laboratory: Eurofins Pittsburgh

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	04-01-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Moisture
2540G		Solid	Percent Solids

Laboratory: Eurofins Edison

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-01-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
7470A	7470A	Solid	Mercury

Sample Summary

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-152100-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-152100-1	SSHS-IRM5-MP1	Solid	02/15/23 15:00	02/16/23 09:00
180-152100-2	SSHS-ISMP-NH37	Solid	02/15/23 17:30	02/16/23 09:00

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Method Summary

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-152100-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET EDI
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET EDI
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET PIT
6010D	Metals (ICP)	SW846	EET EDI
7470A	Mercury (CVAA)	SW846	EET EDI
EPA 6010C	Metals (ICP)	SW846	EET PIT
EPA 7470A	Mercury (CVAA)	SW846	EET PIT
1030	Ignitability, Solids	SW846	EET EDI
2540G	SM 2540G	SM22	EET PIT
EPA 9014	Cyanide	SW846	EET PIT
EPA 9034	Sulfide, Acid soluble and Insoluble (Titrimetric)	SW846	EET PIT
EPA 9045D	pH	SW846	EET PIT
1311	TCLP Extraction	SW846	EET EDI
3010A	Preparation, Total Metals	SW846	EET EDI
3010A	Preparation, Total Metals	SW846	EET PIT
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET EDI
3541	Automated Soxhlet Extraction	SW846	EET PIT
3660B	Sulfur Cleanup	SW846	EET PIT
3665A	Sulfuric Acid/Permanganate Cleanup	SW846	EET PIT
5030C	Purge and Trap	SW846	EET EDI
7470A	Preparation, Mercury	SW846	EET EDI
7470A	Preparation, Mercury	SW846	EET PIT
9010C	Cyanide, Distillation	SW846	EET PIT
9030B	Sulfide, Distillation (Acid Soluble and Insoluble)	SW846	EET PIT
EPA 1311	TCLP Extraction	SW846	EET PIT

Protocol References:

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition

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

Laboratory References:

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

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

Lab Chronicle

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-152100-1

Client Sample ID: SSSH-IRM5-MP1

Lab Sample ID: 180-152100-1

Date Collected: 02/15/23 15:00

Matrix: Solid

Date Received: 02/16/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	EPA 1311			100.26 g	2000 mL	426984	02/21/23 20:30	MJC	EET PIT
TCLP	Prep	3010A			2.5 mL	25 mL	427231	02/23/23 10:15	HCY	EET PIT
TCLP	Analysis	EPA 6010C		1			427469	02/24/23 11:15	RJG	EET PIT
Instrument ID: C										
TCLP	Leach	EPA 1311			100.26 g	2000 mL	426984	02/21/23 20:30	MJC	EET PIT
TCLP	Prep	3010A			2.5 mL	25 mL	427231	02/23/23 10:15	HCY	EET PIT
TCLP	Analysis	EPA 6010C		25			427469	02/24/23 15:18	RJG	EET PIT
Instrument ID: C										
TCLP	Leach	EPA 1311			100.26 g	2000 mL	426984	02/21/23 20:30	MJC	EET PIT
TCLP	Prep	7470A			25 mL	25 mL	427209	02/23/23 06:29	RJR	EET PIT
TCLP	Analysis	EPA 7470A		1			427286	02/23/23 12:19	RJR	EET PIT
Instrument ID: HGZ										

Client Sample ID: SSSH-ISMP-NH37

Lab Sample ID: 180-152100-2

Date Collected: 02/15/23 17:30

Matrix: Solid

Date Received: 02/16/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			25.12 g	500 mL	893733	02/19/23 13:50	BJB	EET EDI
TCLP	Analysis	8260D		10	5 mL	5 mL	894085	02/21/23 21:16	VBP	EET EDI
Instrument ID: CVOAMS8										
TCLP	Leach	1311			100.06 g	2000 mL	893917	02/20/23 16:45	YAH	EET EDI
TCLP	Prep	3510C			250 mL	2 mL	894256	02/22/23 09:13	SXS	EET EDI
TCLP	Analysis	8270E		1	1 mL	1 mL	894335	02/23/23 07:33	MME	EET EDI
Instrument ID: CBNAMS14										
TCLP	Leach	1311			100.06 g	2000 mL	893917	02/20/23 16:45	YAH	EET EDI
TCLP	Prep	3010A			50 mL	50 mL	894078	02/21/23 15:01	VAP	EET EDI
TCLP	Analysis	6010D		5			894289	02/22/23 12:27	CDC	EET EDI
Instrument ID: ICP5										
TCLP	Leach	1311			100.06 g	2000 mL	893917	02/20/23 16:45	YAH	EET EDI
TCLP	Prep	7470A			30 mL	30 mL	894059	02/21/23 12:14	RBS	EET EDI
TCLP	Analysis	7470A		1			894126	02/21/23 15:24	RBS	EET EDI
Instrument ID: LEEMAN6										
Total/NA	Analysis	1030		1			894300	02/22/23 13:08	YAH	EET EDI
Instrument ID: NOEQUIP										
Total/NA	Analysis	2540G		1			427021	02/21/23 17:09	CMR	EET PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	EPA 9045D		1	19.54 g	20 mL	426721	02/17/23 14:50	ELS	EET PIT
Instrument ID: NOEQUIP										

Eurofins Pittsburgh

Lab Chronicle

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-152100-1

Client Sample ID: SSHS-ISMP-NH37

Lab Sample ID: 180-152100-2

Date Collected: 02/15/23 17:30

Matrix: Solid

Date Received: 02/16/23 09:00

Percent Solids: 92.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.15 g	20.0 mL	426989	02/21/23 12:00	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	427049	02/22/23 04:58	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	427051	02/22/23 05:01	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	427054	02/22/23 08:53	JMO	EET PIT
Instrument ID: CHGC8										
Total/NA	Prep	9010C			0.34 g	10 mL	426866	02/20/23 13:45	CMR	EET PIT
Total/NA	Analysis	EPA 9014		1			426898	02/20/23 15:49	CMR	EET PIT
Instrument ID: SEAL1										
Total/NA	Prep	9030B			5.02 mL	50 mL	426746	02/18/23 09:24	BAB	EET PIT
Total/NA	Analysis	EPA 9034		1			426772	02/18/23 16:06	BAB	EET PIT
Instrument ID: NOEQUIP										

* Completion dates and times are reported or not reported per method requirements or individual lab discretion.

Laboratory References:

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

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

Analyst References:

Lab: EET EDI

Batch Type: Leach

BJB = Benjamin Baker

YAH = Youhao Hu

Batch Type: Prep

RBS = Razia Sheikh

SXS = Sameer Shukla

VAP = Vanita Patel

Batch Type: Analysis

CDC = Churn Der Chang

MME = Mustafa Eisa

RBS = Razia Sheikh

VBP = Vyomesh Parekh

YAH = Youhao Hu

Lab: EET PIT

Batch Type: Cleanup

JMO = John Oravec

MJC = Mathew Catanzariti

Batch Type: Prep

BAB = Brooke Batyi

CMR = Carl Reagle

HCY = Harrison Yaeger

JSM = Joseph Moore

RJR = Ron Rosenbaum

Batch Type: Analysis

BAB = Brooke Batyi

CMR = Carl Reagle

ELS = Edwin Shireman

JMO = John Oravec

RJG = Rob Good

RJR = Ron Rosenbaum

Eurofins Pittsburgh

Client Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-152100-1

Client Sample ID: SSHS-IRM5-MP1

Lab Sample ID: 180-152100-1

Date Collected: 02/15/23 15:00

Matrix: Solid

Date Received: 02/16/23 09:00

Method: SW846 EPA 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.50	0.083	mg/L		02/23/23 10:15	02/24/23 11:15	1
Barium	ND		2.0	0.063	mg/L		02/23/23 10:15	02/24/23 11:15	1
Cadmium	ND		0.50	0.0030	mg/L		02/23/23 10:15	02/24/23 11:15	1
Chromium	ND		0.50	0.016	mg/L		02/23/23 10:15	02/24/23 11:15	1
Lead	2600		13	1.1	mg/L		02/23/23 10:15	02/24/23 15:18	25
Selenium	ND		0.50	0.037	mg/L		02/23/23 10:15	02/24/23 11:15	1
Silver	ND		0.50	0.0091	mg/L		02/23/23 10:15	02/24/23 11:15	1

Method: SW846 EPA 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		02/23/23 06:29	02/23/23 12:19	1

Client Sample ID: SSHS-ISMP-NH37

Lab Sample ID: 180-152100-2

Date Collected: 02/15/23 17:30

Matrix: Solid

Date Received: 02/16/23 09:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.010	0.0020	mg/L			02/21/23 21:16	10
2-Butanone (MEK)	ND		0.050	0.019	mg/L			02/21/23 21:16	10
Carbon tetrachloride	ND		0.010	0.0021	mg/L			02/21/23 21:16	10
Chlorobenzene	ND		0.010	0.0038	mg/L			02/21/23 21:16	10
Chloroform	ND		0.010	0.0033	mg/L			02/21/23 21:16	10
1,2-Dichloroethane	ND		0.010	0.0043	mg/L			02/21/23 21:16	10
1,1-Dichloroethene	ND		0.010	0.0026	mg/L			02/21/23 21:16	10
Tetrachloroethene	0.0041	J	0.010	0.0025	mg/L			02/21/23 21:16	10
Trichloroethene	ND		0.010	0.0031	mg/L			02/21/23 21:16	10
Vinyl chloride	ND		0.010	0.0017	mg/L			02/21/23 21:16	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	95		76 - 120		02/21/23 21:16	10
Dibromofluoromethane (Surr)	113		77 - 124		02/21/23 21:16	10
1,2-Dichloroethane-d4 (Surr)	87		70 - 128		02/21/23 21:16	10
Toluene-d8 (Surr)	90		80 - 120		02/21/23 21:16	10

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.010	0.00040	mg/L		02/22/23 09:13	02/23/23 07:33	1
2,4-Dinitrotoluene	ND		0.010	0.0010	mg/L		02/22/23 09:13	02/23/23 07:33	1
Hexachlorobenzene	ND		0.0010	0.00040	mg/L		02/22/23 09:13	02/23/23 07:33	1
Hexachlorobutadiene	ND		0.0020	0.00080	mg/L		02/22/23 09:13	02/23/23 07:33	1
Hexachloroethane	ND		0.0020	0.0012	mg/L		02/22/23 09:13	02/23/23 07:33	1
2-Methylphenol	ND		0.010	0.00060	mg/L		02/22/23 09:13	02/23/23 07:33	1
Methylphenol, 3 & 4	ND		0.010	0.00060	mg/L		02/22/23 09:13	02/23/23 07:33	1
Nitrobenzene	ND		0.0010	0.00060	mg/L		02/22/23 09:13	02/23/23 07:33	1
Pentachlorophenol	ND		0.030	0.0014	mg/L		02/22/23 09:13	02/23/23 07:33	1
Pyridine	ND		0.010	0.0019	mg/L		02/22/23 09:13	02/23/23 07:33	1
2,4,5-Trichlorophenol	ND		0.010	0.00080	mg/L		02/22/23 09:13	02/23/23 07:33	1
2,4,6-Trichlorophenol	ND		0.010	0.00080	mg/L		02/22/23 09:13	02/23/23 07:33	1

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Client Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-152100-1

Client Sample ID: SSHS-ISMP-NH37

Lab Sample ID: 180-152100-2

Date Collected: 02/15/23 17:30

Matrix: Solid

Date Received: 02/16/23 09:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	88		46 - 139	02/22/23 09:13	02/23/23 07:33	1
2-Fluorophenol (Surr)	51		19 - 80	02/22/23 09:13	02/23/23 07:33	1
Nitrobenzene-d5 (Surr)	92		52 - 137	02/22/23 09:13	02/23/23 07:33	1
Phenol-d5 (Surr)	33		10 - 56	02/22/23 09:13	02/23/23 07:33	1
Terphenyl-d14 (Surr)	96		22 - 150	02/22/23 09:13	02/23/23 07:33	1
2,4,6-Tribromophenol (Surr)	97		37 - 150	02/22/23 09:13	02/23/23 07:33	1

Method: SW846 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.075	0.025	mg/L		02/21/23 15:01	02/22/23 12:27	5
Barium	0.55	J	1.0	0.14	mg/L		02/21/23 15:01	02/22/23 12:27	5
Cadmium	ND		0.020	0.0018	mg/L		02/21/23 15:01	02/22/23 12:27	5
Chromium	ND		0.050	0.025	mg/L		02/21/23 15:01	02/22/23 12:27	5
Lead	ND		0.050	0.013	mg/L		02/21/23 15:01	02/22/23 12:27	5
Selenium	ND		0.10	0.035	mg/L		02/21/23 15:01	02/22/23 12:27	5
Silver	ND		0.050	0.016	mg/L		02/21/23 15:01	02/22/23 12:27	5

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000091	mg/L		02/21/23 12:14	02/21/23 15:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate (SW846 1030)	ND		2.20	2.20	mm/sec			02/22/23 13:08	1
Percent Moisture (SM22 2540G)	7.4		0.1	0.1	%			02/21/23 17:09	1
Percent Solids (SM22 2540G)	92.6		0.1	0.1	%			02/21/23 17:09	1
pH (SW846 EPA 9045D)	8.1	HF	0.1	0.1	SU			02/17/23 14:50	1

Client Sample ID: SSHS-ISMP-NH37

Lab Sample ID: 180-152100-2

Date Collected: 02/15/23 17:30

Matrix: Solid

Date Received: 02/16/23 09:00

Percent Solids: 92.6

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.8	ug/Kg	✱	02/21/23 12:00	02/22/23 08:53	1
PCB-1221	ND		18	6.3	ug/Kg	✱	02/21/23 12:00	02/22/23 08:53	1
PCB-1232	ND		18	4.3	ug/Kg	✱	02/21/23 12:00	02/22/23 08:53	1
PCB-1242	ND		18	2.6	ug/Kg	✱	02/21/23 12:00	02/22/23 08:53	1
PCB-1248	ND		18	4.3	ug/Kg	✱	02/21/23 12:00	02/22/23 08:53	1
PCB-1254	16	J	18	5.3	ug/Kg	✱	02/21/23 12:00	02/22/23 08:53	1
PCB-1260	ND		18	5.1	ug/Kg	✱	02/21/23 12:00	02/22/23 08:53	1
PCB-1262	ND		18	6.3	ug/Kg	✱	02/21/23 12:00	02/22/23 08:53	1
PCB-1268	ND		18	2.4	ug/Kg	✱	02/21/23 12:00	02/22/23 08:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	82		63 - 138	02/21/23 12:00	02/22/23 08:53	1
DCB Decachlorobiphenyl (Surr)	91		63 - 138	02/21/23 12:00	02/22/23 08:53	1
Tetrachloro-m-xylene (Surr)	99		55 - 135	02/21/23 12:00	02/22/23 08:53	1
Tetrachloro-m-xylene (Surr)	102		55 - 135	02/21/23 12:00	02/22/23 08:53	1

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Client Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-152100-1

Client Sample ID: SSHS-ISMP-NH37

Lab Sample ID: 180-152100-2

Date Collected: 02/15/23 17:30

Matrix: Solid

Date Received: 02/16/23 09:00

Percent Solids: 92.6

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 EPA 9014)	ND		0.32	0.24	mg/Kg	☼	02/20/23 13:45	02/20/23 15:49	1
Sulfide (SW846 EPA 9034)	ND		32	11	mg/Kg	☼	02/18/23 09:24	02/18/23 16:06	1

QC Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-152100-1

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

Lab Sample ID: MB 460-893965/8

Matrix: Solid

Analysis Batch: 893965

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0010	0.00020	mg/L			02/21/23 08:54	1
2-Butanone (MEK)	ND		0.0050	0.0019	mg/L			02/21/23 08:54	1
Carbon tetrachloride	ND		0.0010	0.00021	mg/L			02/21/23 08:54	1
Chlorobenzene	ND		0.0010	0.00038	mg/L			02/21/23 08:54	1
Chloroform	ND		0.0010	0.00033	mg/L			02/21/23 08:54	1
1,2-Dichloroethane	ND		0.0010	0.00043	mg/L			02/21/23 08:54	1
1,1-Dichloroethene	ND		0.0010	0.00026	mg/L			02/21/23 08:54	1
Tetrachloroethene	ND		0.0010	0.00025	mg/L			02/21/23 08:54	1
Trichloroethene	ND		0.0010	0.00031	mg/L			02/21/23 08:54	1
Vinyl chloride	ND		0.0010	0.00017	mg/L			02/21/23 08:54	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	97		76 - 120		02/21/23 08:54	1
Dibromofluoromethane (Surr)	107		77 - 124		02/21/23 08:54	1
1,2-Dichloroethane-d4 (Surr)	86		70 - 128		02/21/23 08:54	1
Toluene-d8 (Surr)	99		80 - 120		02/21/23 08:54	1

Lab Sample ID: LCS 460-893965/4

Matrix: Solid

Analysis Batch: 893965

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.0200	0.0200		mg/L		100	71 - 126
2-Butanone (MEK)	0.100	0.121		mg/L		121	61 - 128
Carbon tetrachloride	0.0200	0.0192		mg/L		96	61 - 131
Chlorobenzene	0.0200	0.0218		mg/L		109	80 - 120
Chloroform	0.0200	0.0197		mg/L		99	78 - 125
1,2-Dichloroethane	0.0200	0.0170		mg/L		85	66 - 129
1,1-Dichloroethene	0.0200	0.0205		mg/L		103	68 - 133
Tetrachloroethene	0.0200	0.0225		mg/L		112	70 - 127
Trichloroethene	0.0200	0.0203		mg/L		102	71 - 121
Vinyl chloride	0.0200	0.0159		mg/L		79	55 - 144

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	103		76 - 120
Dibromofluoromethane (Surr)	104		77 - 124
1,2-Dichloroethane-d4 (Surr)	86		70 - 128
Toluene-d8 (Surr)	100		80 - 120

Lab Sample ID: LCSD 460-893965/5

Matrix: Solid

Analysis Batch: 893965

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.0200	0.0205		mg/L		102	71 - 126	2	30
2-Butanone (MEK)	0.100	0.106		mg/L		106	61 - 128	13	30
Carbon tetrachloride	0.0200	0.0200		mg/L		100	61 - 131	4	30
Chlorobenzene	0.0200	0.0220		mg/L		110	80 - 120	1	30

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QC Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-152100-1

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

Lab Sample ID: LCSD 460-893965/5

Matrix: Solid

Analysis Batch: 893965

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloroform	0.0200	0.0200		mg/L		100	78 - 125	1	30
1,2-Dichloroethane	0.0200	0.0171		mg/L		86	66 - 129	1	30
1,1-Dichloroethene	0.0200	0.0207		mg/L		103	68 - 133	1	30
Tetrachloroethene	0.0200	0.0224		mg/L		112	70 - 127	0	30
Trichloroethene	0.0200	0.0210		mg/L		105	71 - 121	4	30
Vinyl chloride	0.0200	0.0171		mg/L		85	55 - 144	7	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	105		76 - 120
Dibromofluoromethane (Surr)	105		77 - 124
1,2-Dichloroethane-d4 (Surr)	86		70 - 128
Toluene-d8 (Surr)	101		80 - 120

Lab Sample ID: MB 460-894085/8

Matrix: Solid

Analysis Batch: 894085

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0010	0.00020	mg/L			02/21/23 20:26	1
2-Butanone (MEK)	ND		0.0050	0.0019	mg/L			02/21/23 20:26	1
Carbon tetrachloride	ND		0.0010	0.00021	mg/L			02/21/23 20:26	1
Chlorobenzene	ND		0.0010	0.00038	mg/L			02/21/23 20:26	1
Chloroform	ND		0.0010	0.00033	mg/L			02/21/23 20:26	1
1,2-Dichloroethane	ND		0.0010	0.00043	mg/L			02/21/23 20:26	1
1,1-Dichloroethene	ND		0.0010	0.00026	mg/L			02/21/23 20:26	1
Tetrachloroethene	ND		0.0010	0.00025	mg/L			02/21/23 20:26	1
Trichloroethene	ND		0.0010	0.00031	mg/L			02/21/23 20:26	1
Vinyl chloride	ND		0.0010	0.00017	mg/L			02/21/23 20:26	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	91		76 - 120		02/21/23 20:26	1
Dibromofluoromethane (Surr)	107		77 - 124		02/21/23 20:26	1
1,2-Dichloroethane-d4 (Surr)	86		70 - 128		02/21/23 20:26	1
Toluene-d8 (Surr)	91		80 - 120		02/21/23 20:26	1

Lab Sample ID: LCS 460-894085/4

Matrix: Solid

Analysis Batch: 894085

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.0200	0.0187		mg/L		94	71 - 126
2-Butanone (MEK)	0.100	0.120		mg/L		120	61 - 128
Carbon tetrachloride	0.0200	0.0168		mg/L		84	61 - 131
Chlorobenzene	0.0200	0.0207		mg/L		103	80 - 120
Chloroform	0.0200	0.0189		mg/L		95	78 - 125
1,2-Dichloroethane	0.0200	0.0167		mg/L		83	66 - 129
1,1-Dichloroethene	0.0200	0.0173		mg/L		86	68 - 133
Tetrachloroethene	0.0200	0.0200		mg/L		100	70 - 127

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QC Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-152100-1

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

Lab Sample ID: LCS 460-894085/4

Matrix: Solid

Analysis Batch: 894085

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Trichloroethene	0.0200	0.0185		mg/L		93	71 - 121
Vinyl chloride	0.0200	0.0144		mg/L		72	55 - 144

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	102		76 - 120
Dibromofluoromethane (Surr)	104		77 - 124
1,2-Dichloroethane-d4 (Surr)	86		70 - 128
Toluene-d8 (Surr)	100		80 - 120

Lab Sample ID: LB 460-893733/1-A

Matrix: Solid

Analysis Batch: 893965

Client Sample ID: Method Blank

Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.010	0.0020	mg/L			02/21/23 11:05	10
2-Butanone (MEK)	ND		0.050	0.019	mg/L			02/21/23 11:05	10
Carbon tetrachloride	ND		0.010	0.0021	mg/L			02/21/23 11:05	10
Chlorobenzene	ND		0.010	0.0038	mg/L			02/21/23 11:05	10
Chloroform	ND		0.010	0.0033	mg/L			02/21/23 11:05	10
1,2-Dichloroethane	ND		0.010	0.0043	mg/L			02/21/23 11:05	10
1,1-Dichloroethene	ND		0.010	0.0026	mg/L			02/21/23 11:05	10
Tetrachloroethene	ND		0.010	0.0025	mg/L			02/21/23 11:05	10
Trichloroethene	ND		0.010	0.0031	mg/L			02/21/23 11:05	10
Vinyl chloride	ND		0.010	0.0017	mg/L			02/21/23 11:05	10

Surrogate	LB %Recovery	LB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	89		76 - 120		02/21/23 11:05	10
Dibromofluoromethane (Surr)	104		77 - 124		02/21/23 11:05	10
1,2-Dichloroethane-d4 (Surr)	90		70 - 128		02/21/23 11:05	10
Toluene-d8 (Surr)	101		80 - 120		02/21/23 11:05	10

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

Lab Sample ID: MB 460-894256/1-A

Matrix: Solid

Analysis Batch: 894335

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 894256

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.010	0.00040	mg/L		02/22/23 09:13	02/22/23 21:00	1
2,4-Dinitrotoluene	ND		0.010	0.0010	mg/L		02/22/23 09:13	02/22/23 21:00	1
Hexachlorobenzene	ND		0.0010	0.00040	mg/L		02/22/23 09:13	02/22/23 21:00	1
Hexachlorobutadiene	ND		0.0020	0.00080	mg/L		02/22/23 09:13	02/22/23 21:00	1
Hexachloroethane	ND		0.0020	0.0012	mg/L		02/22/23 09:13	02/22/23 21:00	1
2-Methylphenol	ND		0.010	0.00060	mg/L		02/22/23 09:13	02/22/23 21:00	1
Methylphenol, 3 & 4	ND		0.010	0.00060	mg/L		02/22/23 09:13	02/22/23 21:00	1
Nitrobenzene	ND		0.0010	0.00060	mg/L		02/22/23 09:13	02/22/23 21:00	1
Pentachlorophenol	ND		0.030	0.0014	mg/L		02/22/23 09:13	02/22/23 21:00	1
Pyridine	ND		0.010	0.0019	mg/L		02/22/23 09:13	02/22/23 21:00	1

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QC Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-152100-1

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

Lab Sample ID: MB 460-894256/1-A

Matrix: Solid

Analysis Batch: 894335

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 894256

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		0.010	0.00080	mg/L		02/22/23 09:13	02/22/23 21:00	1
2,4,6-Trichlorophenol	ND		0.010	0.00080	mg/L		02/22/23 09:13	02/22/23 21:00	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	95		46 - 139	02/22/23 09:13	02/22/23 21:00	1
2-Fluorophenol (Surr)	53		19 - 80	02/22/23 09:13	02/22/23 21:00	1
Nitrobenzene-d5 (Surr)	100		52 - 137	02/22/23 09:13	02/22/23 21:00	1
Phenol-d5 (Surr)	35		10 - 56	02/22/23 09:13	02/22/23 21:00	1
Terphenyl-d14 (Surr)	107		22 - 150	02/22/23 09:13	02/22/23 21:00	1
2,4,6-Tribromophenol (Surr)	102		37 - 150	02/22/23 09:13	02/22/23 21:00	1

Lab Sample ID: LCS 460-894256/2-A

Matrix: Solid

Analysis Batch: 894335

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 894256

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dichlorobenzene	0.0800	0.0521		mg/L		65	35 - 120
2,4-Dinitrotoluene	0.0800	0.0944		mg/L		118	68 - 134
Hexachlorobenzene	0.0800	0.0753		mg/L		94	61 - 128
Hexachlorobutadiene	0.0800	0.0485		mg/L		61	27 - 127
Hexachloroethane	0.0800	0.0520		mg/L		65	26 - 120
2-Methylphenol	0.0800	0.0527		mg/L		66	44 - 120
Methylphenol, 3 & 4	0.0800	0.0507		mg/L		63	33 - 120
Nitrobenzene	0.0800	0.0766		mg/L		96	64 - 120
Pentachlorophenol	0.160	0.138		mg/L		86	24 - 131
Pyridine	0.160	0.0618		mg/L		39	10 - 120
2,4,5-Trichlorophenol	0.0800	0.0744		mg/L		93	58 - 120
2,4,6-Trichlorophenol	0.0800	0.0788		mg/L		98	61 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	75		46 - 139
2-Fluorophenol (Surr)	42		19 - 80
Nitrobenzene-d5 (Surr)	85		52 - 137
Phenol-d5 (Surr)	28		10 - 56
Terphenyl-d14 (Surr)	88		22 - 150
2,4,6-Tribromophenol (Surr)	103		37 - 150

Lab Sample ID: LCSD 460-894256/3-A

Matrix: Solid

Analysis Batch: 894335

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 894256

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dichlorobenzene	0.0800	0.0516		mg/L		65	35 - 120	1	30
2,4-Dinitrotoluene	0.0800	0.0973		mg/L		122	68 - 134	3	30
Hexachlorobenzene	0.0800	0.0748		mg/L		94	61 - 128	1	30
Hexachlorobutadiene	0.0800	0.0490		mg/L		61	27 - 127	1	30
Hexachloroethane	0.0800	0.0518		mg/L		65	26 - 120	0	30
2-Methylphenol	0.0800	0.0537		mg/L		67	44 - 120	2	30

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QC Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-152100-1

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

Lab Sample ID: LCSD 460-894256/3-A

Matrix: Solid

Analysis Batch: 894335

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 894256

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methylphenol, 3 & 4	0.0800	0.0518		mg/L		65	33 - 120	2	30
Nitrobenzene	0.0800	0.0770		mg/L		96	64 - 120	1	30
Pentachlorophenol	0.160	0.141		mg/L		88	24 - 131	2	30
Pyridine	0.160	0.0609		mg/L		38	10 - 120	2	30
2,4,5-Trichlorophenol	0.0800	0.0763		mg/L		95	58 - 120	3	30
2,4,6-Trichlorophenol	0.0800	0.0786		mg/L		98	61 - 120	0	30

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
2-Fluorobiphenyl	75		46 - 139
2-Fluorophenol (Surr)	42		19 - 80
Nitrobenzene-d5 (Surr)	84		52 - 137
Phenol-d5 (Surr)	28		10 - 56
Terphenyl-d14 (Surr)	89		22 - 150
2,4,6-Tribromophenol (Surr)	107		37 - 150

Lab Sample ID: LB 460-893917/1-F

Matrix: Solid

Analysis Batch: 894335

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 894256

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.010	0.00040	mg/L		02/22/23 09:13	02/22/23 21:43	1
2,4-Dinitrotoluene	ND		0.010	0.0010	mg/L		02/22/23 09:13	02/22/23 21:43	1
Hexachlorobenzene	ND		0.0010	0.00040	mg/L		02/22/23 09:13	02/22/23 21:43	1
Hexachlorobutadiene	ND		0.0020	0.00080	mg/L		02/22/23 09:13	02/22/23 21:43	1
Hexachloroethane	ND		0.0020	0.0012	mg/L		02/22/23 09:13	02/22/23 21:43	1
2-Methylphenol	ND		0.010	0.00060	mg/L		02/22/23 09:13	02/22/23 21:43	1
Methylphenol, 3 & 4	ND		0.010	0.00060	mg/L		02/22/23 09:13	02/22/23 21:43	1
Nitrobenzene	ND		0.0010	0.00060	mg/L		02/22/23 09:13	02/22/23 21:43	1
Pentachlorophenol	ND		0.030	0.0014	mg/L		02/22/23 09:13	02/22/23 21:43	1
Pyridine	ND		0.010	0.0019	mg/L		02/22/23 09:13	02/22/23 21:43	1
2,4,5-Trichlorophenol	ND		0.010	0.00080	mg/L		02/22/23 09:13	02/22/23 21:43	1
2,4,6-Trichlorophenol	ND		0.010	0.00080	mg/L		02/22/23 09:13	02/22/23 21:43	1

Surrogate	LB %Recovery	LB Qualifier	LB Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	82		46 - 139	02/22/23 09:13	02/22/23 21:43	1
2-Fluorophenol (Surr)	57		19 - 80	02/22/23 09:13	02/22/23 21:43	1
Nitrobenzene-d5 (Surr)	104		52 - 137	02/22/23 09:13	02/22/23 21:43	1
Phenol-d5 (Surr)	38		10 - 56	02/22/23 09:13	02/22/23 21:43	1
Terphenyl-d14 (Surr)	130		22 - 150	02/22/23 09:13	02/22/23 21:43	1
2,4,6-Tribromophenol (Surr)	125		37 - 150	02/22/23 09:13	02/22/23 21:43	1

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QC Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-152100-1

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

Lab Sample ID: MB 180-426989/1-C

Matrix: Solid

Analysis Batch: 427054

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 426989

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.4	ug/Kg		02/21/23 12:00	02/22/23 07:20	1
PCB-1221	ND		17	5.9	ug/Kg		02/21/23 12:00	02/22/23 07:20	1
PCB-1232	ND		17	4.1	ug/Kg		02/21/23 12:00	02/22/23 07:20	1
PCB-1242	ND		17	2.4	ug/Kg		02/21/23 12:00	02/22/23 07:20	1
PCB-1248	ND		17	4.0	ug/Kg		02/21/23 12:00	02/22/23 07:20	1
PCB-1254	ND		17	5.0	ug/Kg		02/21/23 12:00	02/22/23 07:20	1
PCB-1260	ND		17	4.7	ug/Kg		02/21/23 12:00	02/22/23 07:20	1
PCB-1262	ND		17	5.9	ug/Kg		02/21/23 12:00	02/22/23 07:20	1
PCB-1268	ND		17	2.2	ug/Kg		02/21/23 12:00	02/22/23 07:20	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	99		63 - 138	02/21/23 12:00	02/22/23 07:20	1
DCB Decachlorobiphenyl (Surr)	97		63 - 138	02/21/23 12:00	02/22/23 07:20	1
Tetrachloro-m-xylene (Surr)	99		55 - 135	02/21/23 12:00	02/22/23 07:20	1
Tetrachloro-m-xylene (Surr)	103		55 - 135	02/21/23 12:00	02/22/23 07:20	1

Lab Sample ID: LCS 180-426989/2-C

Matrix: Solid

Analysis Batch: 427054

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 426989

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	1330	1190		ug/Kg		89	43 - 136
PCB-1260	1330	1240		ug/Kg		93	55 - 128

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	90		63 - 138
DCB Decachlorobiphenyl (Surr)	87		63 - 138
Tetrachloro-m-xylene (Surr)	93		55 - 135
Tetrachloro-m-xylene (Surr)	95		55 - 135

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 460-894078/1-A

Matrix: Solid

Analysis Batch: 894289

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 894078

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0050	mg/L		02/21/23 15:01	02/22/23 12:08	1
Barium	ND		0.20	0.028	mg/L		02/21/23 15:01	02/22/23 12:08	1
Cadmium	ND		0.0040	0.00036	mg/L		02/21/23 15:01	02/22/23 12:08	1
Chromium	ND		0.010	0.0050	mg/L		02/21/23 15:01	02/22/23 12:08	1
Lead	ND		0.010	0.0026	mg/L		02/21/23 15:01	02/22/23 12:08	1
Selenium	ND		0.020	0.0070	mg/L		02/21/23 15:01	02/22/23 12:08	1
Silver	ND		0.010	0.0032	mg/L		02/21/23 15:01	02/22/23 12:08	1

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QC Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-152100-1

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

Lab Sample ID: LCS 460-894078/2-A ^2

Matrix: Solid

Analysis Batch: 894289

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 894078

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	5.00	5.41		mg/L		108	80 - 120
Barium	10.0	11.3		mg/L		113	80 - 120
Cadmium	1.00	1.15		mg/L		115	80 - 120
Chromium	5.00	5.59		mg/L		112	80 - 120
Lead	5.00	5.79		mg/L		116	80 - 120
Selenium	1.00	1.09		mg/L		109	80 - 120
Silver	0.500	0.528		mg/L		106	80 - 120

Lab Sample ID: LB 460-893917/1-D ^5

Matrix: Solid

Analysis Batch: 894289

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 894078

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.075	0.025	mg/L		02/21/23 15:01	02/22/23 12:35	5
Barium	ND		1.0	0.14	mg/L		02/21/23 15:01	02/22/23 12:35	5
Cadmium	ND		0.020	0.0018	mg/L		02/21/23 15:01	02/22/23 12:35	5
Chromium	ND		0.050	0.025	mg/L		02/21/23 15:01	02/22/23 12:35	5
Lead	ND		0.050	0.013	mg/L		02/21/23 15:01	02/22/23 12:35	5
Selenium	ND		0.10	0.035	mg/L		02/21/23 15:01	02/22/23 12:35	5
Silver	ND		0.050	0.016	mg/L		02/21/23 15:01	02/22/23 12:35	5

Lab Sample ID: 180-152100-2 MS

Matrix: Solid

Analysis Batch: 894289

Client Sample ID: SSHS-ISMP-NH37

Prep Type: TCLP

Prep Batch: 894078

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	ND		5.00	5.27		mg/L		105	75 - 125
Barium	0.55	J	10.0	10.9		mg/L		104	75 - 125
Cadmium	ND		1.00	1.06		mg/L		106	75 - 125
Chromium	ND		5.00	5.19		mg/L		104	75 - 125
Lead	ND		5.00	5.22		mg/L		104	75 - 125
Selenium	ND		1.00	1.06		mg/L		106	75 - 125
Silver	ND		0.500	0.497		mg/L		99	75 - 125

Lab Sample ID: 180-152100-2 DU

Matrix: Solid

Analysis Batch: 894289

Client Sample ID: SSHS-ISMP-NH37

Prep Type: TCLP

Prep Batch: 894078

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Arsenic	ND		ND		mg/L		NC	20
Barium	0.55	J	0.551	J	mg/L		0.4	20
Cadmium	ND		ND		mg/L		NC	20
Chromium	ND		ND		mg/L		NC	20
Lead	ND		ND		mg/L		NC	20
Selenium	ND		ND		mg/L		NC	20
Silver	ND		ND		mg/L		NC	20

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QC Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-152100-1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 460-893864/1-A
Matrix: Solid
Analysis Batch: 893903

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 893864

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000091	mg/L		02/20/23 12:53	02/20/23 14:47	1

Lab Sample ID: MB 460-894059/1-A
Matrix: Solid
Analysis Batch: 894126

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 894059

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000091	mg/L		02/21/23 12:14	02/21/23 15:10	1

Lab Sample ID: LCS 460-894059/2-A
Matrix: Solid
Analysis Batch: 894126

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 894059

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00500	0.00488		mg/L		98	80 - 120

Lab Sample ID: LB 460-893734/1-D
Matrix: Solid
Analysis Batch: 893903

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 893864

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000091	mg/L		02/20/23 12:53	02/20/23 15:33	1

Lab Sample ID: LB 460-893917/1-C
Matrix: Solid
Analysis Batch: 894126

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 894059

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000091	mg/L		02/21/23 12:14	02/21/23 15:53	1

Method: EPA 6010C - Metals (ICP)

Lab Sample ID: MB 180-427231/1-A
Matrix: Solid
Analysis Batch: 427469

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 427231

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.050	0.0083	mg/L		02/23/23 10:15	02/24/23 09:56	1
Barium	ND		0.20	0.0063	mg/L		02/23/23 10:15	02/24/23 09:56	1
Cadmium	ND		0.050	0.00030	mg/L		02/23/23 10:15	02/24/23 09:56	1
Chromium	ND		0.050	0.0016	mg/L		02/23/23 10:15	02/24/23 09:56	1
Lead	ND		0.050	0.0044	mg/L		02/23/23 10:15	02/24/23 09:56	1
Selenium	ND		0.050	0.0037	mg/L		02/23/23 10:15	02/24/23 09:56	1
Silver	ND		0.050	0.00091	mg/L		02/23/23 10:15	02/24/23 09:56	1

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QC Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-152100-1

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

Lab Sample ID: LCS 180-427231/2-A
Matrix: Solid
Analysis Batch: 427469

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 427231

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	1.00	0.993		mg/L		99	80 - 120
Barium	1.00	0.860		mg/L		86	80 - 120
Cadmium	0.500	0.488		mg/L		98	80 - 120
Chromium	0.500	0.477		mg/L		95	80 - 120
Lead	0.500	0.466		mg/L		93	80 - 120
Selenium	1.00	0.944		mg/L		94	80 - 120
Silver	0.250	0.240		mg/L		96	80 - 120

Lab Sample ID: LB 180-426984/1-C
Matrix: Solid
Analysis Batch: 427469

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 427231

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.50	0.083	mg/L		02/23/23 10:15	02/24/23 10:07	1
Barium	ND		2.0	0.063	mg/L		02/23/23 10:15	02/24/23 10:07	1
Cadmium	ND		0.50	0.0030	mg/L		02/23/23 10:15	02/24/23 10:07	1
Chromium	ND		0.50	0.016	mg/L		02/23/23 10:15	02/24/23 10:07	1
Lead	ND		0.50	0.044	mg/L		02/23/23 10:15	02/24/23 10:07	1
Selenium	ND		0.50	0.037	mg/L		02/23/23 10:15	02/24/23 10:07	1
Silver	ND		0.50	0.0091	mg/L		02/23/23 10:15	02/24/23 10:07	1

Method: EPA 7470A - Mercury (CVAA)

Lab Sample ID: MB 180-427209/1-A
Matrix: Solid
Analysis Batch: 427286

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 427209

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		02/23/23 06:29	02/23/23 12:04	1

Lab Sample ID: LCS 180-427209/2-A
Matrix: Solid
Analysis Batch: 427286

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 427209

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00250	0.00240		mg/L		96	80 - 120

Lab Sample ID: LB 180-426984/1-B
Matrix: Solid
Analysis Batch: 427286

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 427209

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		02/23/23 06:29	02/23/23 12:12	1

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QC Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-152100-1

Method: 2540G - SM 2540G

Lab Sample ID: 180-152100-2 DU

Matrix: Solid

Analysis Batch: 427021

Client Sample ID: SSHS-ISMP-NH37

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	7.4		7.1		%		5	10
Percent Solids	92.6		92.9		%		0.4	10

Method: EPA 9014 - Cyanide

Lab Sample ID: MB 180-426866/4-A

Matrix: Solid

Analysis Batch: 426898

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 426866

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.50	0.38	mg/Kg		02/20/23 13:45	02/20/23 15:42	1

Lab Sample ID: HLCS 180-426866/2-A

Matrix: Solid

Analysis Batch: 426898

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 426866

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.250	0.251		mg/Kg		100	90 - 110

Lab Sample ID: LCS 180-426866/3-A

Matrix: Solid

Analysis Batch: 426898

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 426866

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	120	104		mg/Kg		86	17 - 163

Lab Sample ID: LLCS 180-426866/1-A

Matrix: Solid

Analysis Batch: 426898

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 426866

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.0500	0.0515		mg/Kg		103	90 - 110

Method: EPA 9034 - Sulfide, Acid soluble and Insoluble (Titrimetric)

Lab Sample ID: MB 180-426746/2-A

Matrix: Solid

Analysis Batch: 426772

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 426746

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	ND		30	10	mg/Kg		02/18/23 09:24	02/18/23 15:53	1

Lab Sample ID: LCS 180-426746/1-A

Matrix: Solid

Analysis Batch: 426772

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 426746

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	174	161		mg/Kg		92	85 - 115

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QC Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-152100-1

Method: EPA 9045D - pH

Lab Sample ID: LCS 180-426721/1

Matrix: Solid

Analysis Batch: 426721

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
pH	7.00	7.0		SU		100	99 - 101

Lab Sample ID: 180-152100-2 DU

Matrix: Solid

Analysis Batch: 426721

Client Sample ID: SSHS-ISMP-NH37

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	8.1	HF	8.1		SU		0.4	2

QC Association Summary

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-152100-1

GC/MS VOA

Leach Batch: 893733

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-152100-2	SSHS-ISMP-NH37	TCLP	Solid	1311	
LB 460-893733/1-A	Method Blank	TCLP	Solid	1311	

Analysis Batch: 893965

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 460-893733/1-A	Method Blank	TCLP	Solid	8260D	893733
MB 460-893965/8	Method Blank	Total/NA	Solid	8260D	
LCS 460-893965/4	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-893965/5	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 894085

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-152100-2	SSHS-ISMP-NH37	TCLP	Solid	8260D	893733
MB 460-894085/8	Method Blank	Total/NA	Solid	8260D	
LCS 460-894085/4	Lab Control Sample	Total/NA	Solid	8260D	

GC/MS Semi VOA

Leach Batch: 893917

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-152100-2	SSHS-ISMP-NH37	TCLP	Solid	1311	
LB 460-893917/1-F	Method Blank	TCLP	Solid	1311	

Prep Batch: 894256

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-152100-2	SSHS-ISMP-NH37	TCLP	Solid	3510C	893917
LB 460-893917/1-F	Method Blank	TCLP	Solid	3510C	893917
MB 460-894256/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 460-894256/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 460-894256/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	

Analysis Batch: 894335

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-152100-2	SSHS-ISMP-NH37	TCLP	Solid	8270E	894256
LB 460-893917/1-F	Method Blank	TCLP	Solid	8270E	894256
MB 460-894256/1-A	Method Blank	Total/NA	Solid	8270E	894256
LCS 460-894256/2-A	Lab Control Sample	Total/NA	Solid	8270E	894256
LCSD 460-894256/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	894256

GC Semi VOA

Prep Batch: 426989

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-152100-2	SSHS-ISMP-NH37	Total/NA	Solid	3541	
MB 180-426989/1-C	Method Blank	Total/NA	Solid	3541	
LCS 180-426989/2-C	Lab Control Sample	Total/NA	Solid	3541	

Cleanup Batch: 427049

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-152100-2	SSHS-ISMP-NH37	Total/NA	Solid	3665A	426989
MB 180-426989/1-C	Method Blank	Total/NA	Solid	3665A	426989
LCS 180-426989/2-C	Lab Control Sample	Total/NA	Solid	3665A	426989

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QC Association Summary

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-152100-1

GC Semi VOA

Cleanup Batch: 427051

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-152100-2	SSHS-ISMP-NH37	Total/NA	Solid	3660B	427049
MB 180-426989/1-C	Method Blank	Total/NA	Solid	3660B	427049
LCS 180-426989/2-C	Lab Control Sample	Total/NA	Solid	3660B	427049

Analysis Batch: 427054

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-152100-2	SSHS-ISMP-NH37	Total/NA	Solid	EPA 8082A	427051
MB 180-426989/1-C	Method Blank	Total/NA	Solid	EPA 8082A	427051
LCS 180-426989/2-C	Lab Control Sample	Total/NA	Solid	EPA 8082A	427051

Metals

Leach Batch: 426984

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-152100-1	SSHS-IRM5-MP1	TCLP	Solid	EPA 1311	
LB 180-426984/1-B	Method Blank	TCLP	Solid	EPA 1311	
LB 180-426984/1-C	Method Blank	TCLP	Solid	EPA 1311	

Prep Batch: 427209

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-152100-1	SSHS-IRM5-MP1	TCLP	Solid	7470A	426984
LB 180-426984/1-B	Method Blank	TCLP	Solid	7470A	426984
MB 180-427209/1-A	Method Blank	Total/NA	Solid	7470A	
LCS 180-427209/2-A	Lab Control Sample	Total/NA	Solid	7470A	

Prep Batch: 427231

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-152100-1	SSHS-IRM5-MP1	TCLP	Solid	3010A	426984
LB 180-426984/1-C	Method Blank	TCLP	Solid	3010A	426984
MB 180-427231/1-A	Method Blank	Total/NA	Solid	3010A	
LCS 180-427231/2-A	Lab Control Sample	Total/NA	Solid	3010A	

Analysis Batch: 427286

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-152100-1	SSHS-IRM5-MP1	TCLP	Solid	EPA 7470A	427209
LB 180-426984/1-B	Method Blank	TCLP	Solid	EPA 7470A	427209
MB 180-427209/1-A	Method Blank	Total/NA	Solid	EPA 7470A	427209
LCS 180-427209/2-A	Lab Control Sample	Total/NA	Solid	EPA 7470A	427209

Analysis Batch: 427469

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-152100-1	SSHS-IRM5-MP1	TCLP	Solid	EPA 6010C	427231
180-152100-1	SSHS-IRM5-MP1	TCLP	Solid	EPA 6010C	427231
LB 180-426984/1-C	Method Blank	TCLP	Solid	EPA 6010C	427231
MB 180-427231/1-A	Method Blank	Total/NA	Solid	EPA 6010C	427231
LCS 180-427231/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	427231

Leach Batch: 893734

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 460-893734/1-D	Method Blank	TCLP	Solid	1311	

Eurofins Pittsburgh

QC Association Summary

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-152100-1

Metals

Prep Batch: 893864

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 460-893734/1-D	Method Blank	TCLP	Solid	7470A	893734
MB 460-893864/1-A	Method Blank	Total/NA	Solid	7470A	

Analysis Batch: 893903

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 460-893734/1-D	Method Blank	TCLP	Solid	7470A	893864
MB 460-893864/1-A	Method Blank	Total/NA	Solid	7470A	893864

Leach Batch: 893917

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-152100-2	SSHS-ISMP-NH37	TCLP	Solid	1311	
LB 460-893917/1-C	Method Blank	TCLP	Solid	1311	
LB 460-893917/1-D ^5	Method Blank	TCLP	Solid	1311	
180-152100-2 MS	SSHS-ISMP-NH37	TCLP	Solid	1311	
180-152100-2 DU	SSHS-ISMP-NH37	TCLP	Solid	1311	

Prep Batch: 894059

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-152100-2	SSHS-ISMP-NH37	TCLP	Solid	7470A	893917
LB 460-893917/1-C	Method Blank	TCLP	Solid	7470A	893917
MB 460-894059/1-A	Method Blank	Total/NA	Solid	7470A	
LCS 460-894059/2-A	Lab Control Sample	Total/NA	Solid	7470A	

Prep Batch: 894078

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-152100-2	SSHS-ISMP-NH37	TCLP	Solid	3010A	893917
LB 460-893917/1-D ^5	Method Blank	TCLP	Solid	3010A	893917
MB 460-894078/1-A	Method Blank	Total/NA	Solid	3010A	
LCS 460-894078/2-A ^2	Lab Control Sample	Total/NA	Solid	3010A	
180-152100-2 MS	SSHS-ISMP-NH37	TCLP	Solid	3010A	893917
180-152100-2 DU	SSHS-ISMP-NH37	TCLP	Solid	3010A	893917

Analysis Batch: 894126

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-152100-2	SSHS-ISMP-NH37	TCLP	Solid	7470A	894059
LB 460-893917/1-C	Method Blank	TCLP	Solid	7470A	894059
MB 460-894059/1-A	Method Blank	Total/NA	Solid	7470A	894059
LCS 460-894059/2-A	Lab Control Sample	Total/NA	Solid	7470A	894059

Analysis Batch: 894289

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-152100-2	SSHS-ISMP-NH37	TCLP	Solid	6010D	894078
LB 460-893917/1-D ^5	Method Blank	TCLP	Solid	6010D	894078
MB 460-894078/1-A	Method Blank	Total/NA	Solid	6010D	894078
LCS 460-894078/2-A ^2	Lab Control Sample	Total/NA	Solid	6010D	894078
180-152100-2 MS	SSHS-ISMP-NH37	TCLP	Solid	6010D	894078
180-152100-2 DU	SSHS-ISMP-NH37	TCLP	Solid	6010D	894078

Eurofins Pittsburgh

QC Association Summary

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-152100-1

General Chemistry

Analysis Batch: 426721

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-152100-2	SSHS-ISMP-NH37	Total/NA	Solid	EPA 9045D	
LCS 180-426721/1	Lab Control Sample	Total/NA	Solid	EPA 9045D	
180-152100-2 DU	SSHS-ISMP-NH37	Total/NA	Solid	EPA 9045D	

Prep Batch: 426746

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-152100-2	SSHS-ISMP-NH37	Total/NA	Solid	9030B	
MB 180-426746/2-A	Method Blank	Total/NA	Solid	9030B	
LCS 180-426746/1-A	Lab Control Sample	Total/NA	Solid	9030B	

Analysis Batch: 426772

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-152100-2	SSHS-ISMP-NH37	Total/NA	Solid	EPA 9034	426746
MB 180-426746/2-A	Method Blank	Total/NA	Solid	EPA 9034	426746
LCS 180-426746/1-A	Lab Control Sample	Total/NA	Solid	EPA 9034	426746

Prep Batch: 426866

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-152100-2	SSHS-ISMP-NH37	Total/NA	Solid	9010C	
MB 180-426866/4-A	Method Blank	Total/NA	Solid	9010C	
HLCS 180-426866/2-A	Lab Control Sample	Total/NA	Solid	9010C	
LCS 180-426866/3-A	Lab Control Sample	Total/NA	Solid	9010C	
LLCS 180-426866/1-A	Lab Control Sample	Total/NA	Solid	9010C	

Analysis Batch: 426898

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-152100-2	SSHS-ISMP-NH37	Total/NA	Solid	EPA 9014	426866
MB 180-426866/4-A	Method Blank	Total/NA	Solid	EPA 9014	426866
HLCS 180-426866/2-A	Lab Control Sample	Total/NA	Solid	EPA 9014	426866
LCS 180-426866/3-A	Lab Control Sample	Total/NA	Solid	EPA 9014	426866
LLCS 180-426866/1-A	Lab Control Sample	Total/NA	Solid	EPA 9014	426866

Analysis Batch: 427021

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-152100-2	SSHS-ISMP-NH37	Total/NA	Solid	2540G	
180-152100-2 DU	SSHS-ISMP-NH37	Total/NA	Solid	2540G	

Analysis Batch: 894300

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-152100-2	SSHS-ISMP-NH37	Total/NA	Solid	1030	

Chain of Custody Record
Eurofins TestAmerica, Pittsburgh
Client Information: Mr. Aron Krasnopoler, Geosyntec Consultants, Inc.
Analysis Requested: TAT Requested (days): 5-Day
Sample Identification: SSHS-IRM5-MP1, SSHS-ISMP-NH37
Sample Date: 2/15/23
Sample Time: 1500, 1730
Matrix: W=water, S=solid, O=soil, A=air
Preservation Codes: A-HCL, B-NaOH, C-Zn Acetate, D-Nitric Acid, E-NaHSO4, F-MeOH, G-Arniclor, H-Ascorbic Acid, I-Ice, J-DI Water, K-EDTA, L-EDA, Z-other (specify)
Special In: 1, 5
Total Number of Containers: 1, 5
Sample Disposal: Return To Client, Disposal By Lab, Archive For
Relinquished by: [Signature], Date: 2/15/2023 1730
Custody Seal No.: [Blank]



Client Information

Client Contact:

Mr. Aron Krasnopoler

Company:

Geosyntec Consultants, Inc.

Address:

10211 Wincopin Circle 4th Floor

City:

Columbia

State, Zip:

MD, 21044

Phone:

410-381-4333

Email:

akrasnopoler@geosyntec.com

Project Name:

Former Sperry Remington Site-

Site:

Sampler:

C Lamas

Phone:

708-248-3888

Lab PM:

K. Kelly

E-Mail:

Kathryn.Kelly@Eurofinset.com

Carrier Tracking No(s):

180-45857-9656.1

Page:

Page 1 of 1

Job #:

152100

Analysis Requested

Due Date Requested:

TAT Requested (days):

5-Day

PO #:

MN08321

WO #:

18013464

Project #:

18013464

SSOW#:

Preservation Codes:

A - HCL

B - NaOH

C - Zn Acetate

D - Nitric Acid

E - NaHSO4

F - MeOH

G - Amchlor

H - Ascorbic Acid

I - Ice

J - DI Water

K - EDTA

L - EDA

Other:

M - Hexane

N - None

O - AsNaO2

P - Na2O4S

Q - Na2SO3

R - Na2S2O3

S - H2SO4

T - TSP Dodecahydrate

U - Acetone

V - MCAA

W - pH 4-5

Z - other (specify)

Sample Identification

Sample Date

Sample Time

Sample Type
(C=Comp,
G=grab)Matrix
(W=water,
S=solid,
O=waste/oil,
BT=Tissue, A=Air)

Field Filtered Sample (Yes or No)

Perform MS/MSD (Yes or No)

8260C - TCLP Volatiles

8270D - TCLP Semivolatiles

6010C/7470A - TCLP RCRA Metals

9034/9030B - Sulfide

9045D - pH

1030B - Ignitability

8082A - PCBs

9014 - Cyanide

Total Number of containers

Special Instructions/Note: (m³)

180-152100 Chain of Custody

SHORT
HOLD

Possible Hazard Identification

☐ Non-Hazard ☐ Flammable☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Deliverable Requested: I, II, III, IV, Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For Months

Special Instructions/QC Requirements:

Empty Kit Relinquished by:

Relinquished by:

Relinquished by:

Relinquished by:

Custody Seals Intact:

Custody Seal No.:

Date:

Date/Time:

Date/Time:

Date/Time:

Date/Time:

Time:

Received by:

Received by:

Received by:

Cooler Temperature(s) °C and Other Remarks

Method of Shipment:

Date/Time:

Date/Time:

Date/Time:

Company:

Company:

Company:

Company:

Company:

Custody Seal No.:

Custody Seal No.:

Custody Seal No.:

Custody Seal No.:

1

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152100

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0

If pH adjustments are required record the information below:

Date: 2/6/23

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-152100-1

Login Number: 152100

List Number: 1

Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-152100-1

Login Number: 152100

List Number: 2

Creator: Casallas, Angela C

List Source: Eurofins Edison

List Creation: 02/16/23 04:49 PM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	1117636
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.4/4.4 IR#9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-152100-1

Login Number: 152100

List Number: 3

Creator: Casallas, Angela C

List Source: Eurofins Edison

List Creation: 02/16/23 04:59 PM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	1117636
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.4/4.4 IR#9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



ANALYTICAL REPORT

Lab Number:	L2352524
Client:	Sterling Environmental Engineering 24 Wade Road Latham, NY 12110
ATTN:	Andrew Millspaugh
Phone:	(518) 456-4900
Project Name:	EHS CAPITAL IMPROVEMENTS
Project Number:	2021-01
Report Date:	09/22/23

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OH (CL108), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930).

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



Project Name: EHS CAPITAL IMPROVEMENTS
Project Number: 2021-01

Lab Number: L2352524
Report Date: 09/22/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2352524-01	EHS-ISMP-WC-D1	SOIL	ELMIRA, NY	09/08/23 12:10	09/08/23
L2352524-02	EHS-ISMP-WC-D2	SOIL	ELMIRA, NY	09/08/23 14:20	09/08/23
L2352524-03	EHS-ISMP-WC-D3	SOIL	ELMIRA, NY	09/08/23 14:45	09/08/23
L2352524-04	EHS-ISMP-WC-D4	SOIL	ELMIRA, NY	09/08/23 15:40	09/08/23
L2352524-05	EHS-ISMP-WC-D5	SOIL	ELMIRA, NY	09/08/23 15:15	09/08/23
L2352524-06	EHS-ISMP-WC-D6	SOIL	ELMIRA, NY	09/08/23 13:30	09/08/23

Project Name: EHS CAPITAL IMPROVEMENTS
Project Number: 2021-01

Lab Number: L2352524
Report Date: 09/22/23

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: EHS CAPITAL IMPROVEMENTS
Project Number: 2021-01

Lab Number: L2352524
Report Date: 09/22/23

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.

TCLP Semivolatiles

The WG1826191-3 LCSD recovery, associated with L2352524-01 through -06, is below the acceptance criteria for pyridine (8%); however, it has been identified as a "difficult" analyte. The results of the associated samples 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: 09/22/23

ORGANICS

VOLATILES

Project Name: EHS CAPITAL IMPROVEMENTS**Lab Number:** L2352524**Project Number:** 2021-01**Report Date:** 09/22/23**SAMPLE RESULTS**

Lab ID: L2352524-01
 Client ID: EHS-ISMP-WC-D1
 Sample Location: ELMIRA, NY

Date Collected: 09/08/23 12:10
 Date Received: 09/08/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 09/21/23 13:20
 Analyst: MCM
 Percent Solids: 92%
 TCLP/SPLP Ext. Date: 09/20/23 11:01

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	92		70-130
4-Bromofluorobenzene	79		70-130
dibromofluoromethane	117		70-130

Project Name: EHS CAPITAL IMPROVEMENTS**Lab Number:** L2352524**Project Number:** 2021-01**Report Date:** 09/22/23**SAMPLE RESULTS**

Lab ID: L2352524-02
 Client ID: EHS-ISMP-WC-D2
 Sample Location: ELMIRA, NY

Date Collected: 09/08/23 14:20
 Date Received: 09/08/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 09/22/23 07:30
 Analyst: MCM
 Percent Solids: 92%
 TCLP/SPLP Ext. Date: 09/21/23 11:13

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	87		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	103		70-130
dibromofluoromethane	95		70-130

Project Name: EHS CAPITAL IMPROVEMENTS**Lab Number:** L2352524**Project Number:** 2021-01**Report Date:** 09/22/23**SAMPLE RESULTS**

Lab ID: L2352524-03
 Client ID: EHS-ISMP-WC-D3
 Sample Location: ELMIRA, NY

Date Collected: 09/08/23 14:45
 Date Received: 09/08/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 09/22/23 07:54
 Analyst: MCM
 Percent Solids: 94%
 TCLP/SPLP Ext. Date: 09/21/23 11:13

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	88		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	101		70-130
dibromofluoromethane	95		70-130

Project Name: EHS CAPITAL IMPROVEMENTS**Lab Number:** L2352524**Project Number:** 2021-01**Report Date:** 09/22/23**SAMPLE RESULTS**

Lab ID: L2352524-04
 Client ID: EHS-ISMP-WC-D4
 Sample Location: ELMIRA, NY

Date Collected: 09/08/23 15:40
 Date Received: 09/08/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 09/22/23 08:17
 Analyst: MCM
 Percent Solids: 92%
 TCLP/SPLP Ext. Date: 09/21/23 11:13

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	88		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	102		70-130
dibromofluoromethane	97		70-130

Project Name: EHS CAPITAL IMPROVEMENTS**Lab Number:** L2352524**Project Number:** 2021-01**Report Date:** 09/22/23**SAMPLE RESULTS**

Lab ID: L2352524-05
 Client ID: EHS-ISMP-WC-D5
 Sample Location: ELMIRA, NY

Date Collected: 09/08/23 15:15
 Date Received: 09/08/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 09/22/23 08:41
 Analyst: MCM
 Percent Solids: 92%
 TCLP/SPLP Ext. Date: 09/21/23 11:13

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	89		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	101		70-130
dibromofluoromethane	96		70-130

Project Name: EHS CAPITAL IMPROVEMENTS**Lab Number:** L2352524**Project Number:** 2021-01**Report Date:** 09/22/23**SAMPLE RESULTS**

Lab ID: L2352524-06
 Client ID: EHS-ISMP-WC-D6
 Sample Location: ELMIRA, NY

Date Collected: 09/08/23 13:30
 Date Received: 09/08/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 09/22/23 09:05
 Analyst: MCM
 Percent Solids: 93%
 TCLP/SPLP Ext. Date: 09/21/23 11:13

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	87		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	100		70-130
dibromofluoromethane	95		70-130

Project Name: EHS CAPITAL IMPROVEMENTS
Project Number: 2021-01

Lab Number: L2352524
Report Date: 09/22/23

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 09/21/23 07:37
 Analyst: MCM
 TCLP/SPLP Extraction Date: 09/20/23 11:01

Extraction Date: 09/20/23 11:01

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Volatiles by EPA 1311 - Westborough Lab for sample(s): 01 Batch: WG1830248-5					
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	101		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	80		70-130
dibromofluoromethane	115		70-130

Project Name: EHS CAPITAL IMPROVEMENTS
Project Number: 2021-01

Lab Number: L2352524
Report Date: 09/22/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 09/22/23 07:06
 Analyst: MCM
 TCLP/SPLP Extraction Date: 09/21/23 11:13

Extraction Date: 09/21/23 11:13

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Volatiles by EPA 1311 - Westborough Lab for sample(s): 02-06 Batch: WG1830743-5					
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	86		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	100		70-130
dibromofluoromethane	95		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: EHS CAPITAL IMPROVEMENTS
Project Number: 2021-01

Lab Number: L2352524
Report Date: 09/22/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Volatiles by EPA 1311 - Westborough Lab Associated sample(s): 01 Batch: WG1830248-3 WG1830248-4								
Chloroform	98		95		70-130	3		20
Carbon tetrachloride	100		98		63-132	2		20
Tetrachloroethene	120		110		70-130	9		20
Chlorobenzene	100		100		75-130	0		25
1,2-Dichloroethane	89		86		70-130	3		20
Benzene	99		95		70-130	4		25
Vinyl chloride	98		93		55-140	5		20
1,1-Dichloroethene	110		110		61-145	0		25
Trichloroethene	95		91		70-130	4		25
1,4-Dichlorobenzene	100		97		70-130	3		20
2-Butanone	82		84		63-138	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	93		97		70-130
Toluene-d8	97		97		70-130
4-Bromofluorobenzene	78		80		70-130
dibromofluoromethane	107		104		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: EHS CAPITAL IMPROVEMENTS

Project Number: 2021-01

Lab Number: L2352524

Report Date: 09/22/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Volatiles by EPA 1311 - Westborough Lab Associated sample(s): 02-06 Batch: WG1830743-3 WG1830743-4								
Chloroform	95		94		70-130	1		20
Carbon tetrachloride	99		98		63-132	1		20
Tetrachloroethene	110		120		70-130	9		20
Chlorobenzene	110		110		75-130	0		25
1,2-Dichloroethane	90		91		70-130	1		20
Benzene	110		110		70-130	0		25
Vinyl chloride	52	Q	51	Q	55-140	2		20
1,1-Dichloroethene	100		100		61-145	0		25
Trichloroethene	96		96		70-130	0		25
1,4-Dichlorobenzene	110		110		70-130	0		20
2-Butanone	99		110		63-138	11		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	74		75		70-130
Toluene-d8	98		96		70-130
4-Bromofluorobenzene	102		103		70-130
dibromofluoromethane	89		89		70-130

SEMIVOLATILES

Project Name: EHS CAPITAL IMPROVEMENTS**Lab Number:** L2352524**Project Number:** 2021-01**Report Date:** 09/22/23**SAMPLE RESULTS**

Lab ID: L2352524-01
 Client ID: EHS-ISMP-WC-D1
 Sample Location: ELMIRA, NY

Date Collected: 09/08/23 12:10
 Date Received: 09/08/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270E
 Analytical Date: 09/14/23 01:44
 Analyst: LJG
 Percent Solids: 92%
 TCLP/SPLP Ext. Date: 09/11/23 02:28

Extraction Method: EPA 3510C
 Extraction Date: 09/12/23 16:46

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	73		21-120
Phenol-d6	64		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	80		15-120
2,4,6-Tribromophenol	90		10-120
4-Terphenyl-d14	84		33-120

Project Name: EHS CAPITAL IMPROVEMENTS**Lab Number:** L2352524**Project Number:** 2021-01**Report Date:** 09/22/23**SAMPLE RESULTS**

Lab ID: L2352524-02
 Client ID: EHS-ISMP-WC-D2
 Sample Location: ELMIRA, NY

Date Collected: 09/08/23 14:20
 Date Received: 09/08/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270E
 Analytical Date: 09/14/23 02:08
 Analyst: LJG
 Percent Solids: 92%
 TCLP/SPLP Ext. Date: 09/11/23 02:28

Extraction Method: EPA 3510C
 Extraction Date: 09/12/23 16:46

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	72		21-120
Phenol-d6	62		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	82		15-120
2,4,6-Tribromophenol	92		10-120
4-Terphenyl-d14	84		33-120

Project Name: EHS CAPITAL IMPROVEMENTS**Lab Number:** L2352524**Project Number:** 2021-01**Report Date:** 09/22/23**SAMPLE RESULTS**

Lab ID: L2352524-03
 Client ID: EHS-ISMP-WC-D3
 Sample Location: ELMIRA, NY

Date Collected: 09/08/23 14:45
 Date Received: 09/08/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270E
 Analytical Date: 09/14/23 02:32
 Analyst: LJG
 Percent Solids: 94%
 TCLP/SPLP Ext. Date: 09/11/23 02:28

Extraction Method: EPA 3510C
 Extraction Date: 09/12/23 16:46

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	69		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	90		15-120
2,4,6-Tribromophenol	96		10-120
4-Terphenyl-d14	90		33-120

Project Name: EHS CAPITAL IMPROVEMENTS**Lab Number:** L2352524**Project Number:** 2021-01**Report Date:** 09/22/23**SAMPLE RESULTS**

Lab ID: L2352524-04
 Client ID: EHS-ISMP-WC-D4
 Sample Location: ELMIRA, NY

Date Collected: 09/08/23 15:40
 Date Received: 09/08/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270E
 Analytical Date: 09/14/23 02:56
 Analyst: LJC
 Percent Solids: 92%
 TCLP/SPLP Ext. Date: 09/11/23 02:28

Extraction Method: EPA 3510C
 Extraction Date: 09/12/23 16:47

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	60		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	80		15-120
2,4,6-Tribromophenol	85		10-120
4-Terphenyl-d14	78		33-120

Project Name: EHS CAPITAL IMPROVEMENTS**Lab Number:** L2352524**Project Number:** 2021-01**Report Date:** 09/22/23**SAMPLE RESULTS**

Lab ID: L2352524-05
 Client ID: EHS-ISMP-WC-D5
 Sample Location: ELMIRA, NY

Date Collected: 09/08/23 15:15
 Date Received: 09/08/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270E
 Analytical Date: 09/14/23 03:20
 Analyst: LJC
 Percent Solids: 92%
 TCLP/SPLP Ext. Date: 09/11/23 02:28

Extraction Method: EPA 3510C
 Extraction Date: 09/12/23 16:47

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	62		21-120
Phenol-d6	53		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	71		15-120
2,4,6-Tribromophenol	75		10-120
4-Terphenyl-d14	71		33-120

Project Name: EHS CAPITAL IMPROVEMENTS**Lab Number:** L2352524**Project Number:** 2021-01**Report Date:** 09/22/23**SAMPLE RESULTS**

Lab ID: L2352524-06
 Client ID: EHS-ISMP-WC-D6
 Sample Location: ELMIRA, NY

Date Collected: 09/08/23 13:30
 Date Received: 09/08/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270E
 Analytical Date: 09/14/23 03:44
 Analyst: LJJ
 Percent Solids: 93%
 TCLP/SPLP Ext. Date: 09/11/23 02:28

Extraction Method: EPA 3510C
 Extraction Date: 09/12/23 16:47

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	57		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	73		15-120
2,4,6-Tribromophenol	77		10-120
4-Terphenyl-d14	73		33-120

Project Name: EHS CAPITAL IMPROVEMENTS
Project Number: 2021-01

Lab Number: L2352524
Report Date: 09/22/23

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270E
 Analytical Date: 09/12/23 08:03
 Analyst: IM
 TCLP/SPLP Extraction Date: 09/09/23 12:10

Extraction Method: EPA 3510C
 Extraction Date: 09/11/23 18:50

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Semivolatiles by EPA 1311 - Westborough Lab for sample(s): 01-06 Batch: WG1826191-1					
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	58		21-120
Phenol-d6	52		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	59		15-120
2,4,6-Tribromophenol	79		10-120
4-Terphenyl-d14	57		33-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: EHS CAPITAL IMPROVEMENTS

Project Number: 2021-01

Lab Number: L2352524

Report Date: 09/22/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Semivolatiles by EPA 1311 - Westborough Lab Associated sample(s): 01-06 Batch: WG1826191-2 WG1826191-3								
Hexachlorobenzene	62		57		40-140	8		30
2,4-Dinitrotoluene	61		58		40-132	5		30
Hexachlorobutadiene	53		54		28-111	2		30
Hexachloroethane	49		50		21-105	2		30
Nitrobenzene	55		54		40-140	2		30
2,4,6-Trichlorophenol	66		62		30-130	6		30
Pentachlorophenol	69		65		9-103	6		30
2-Methylphenol	53		52		30-130	2		30
3-Methylphenol/4-Methylphenol	57		54		30-130	5		30
2,4,5-Trichlorophenol	64		60		30-130	6		30
Pyridine	13		8	Q	10-66	46	Q	30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	54		53		21-120
Phenol-d6	50		49		10-120
Nitrobenzene-d5	58		57		23-120
2-Fluorobiphenyl	53		53		15-120
2,4,6-Tribromophenol	76		72		10-120
4-Terphenyl-d14	53		50		33-120

PCBS

Project Name: EHS CAPITAL IMPROVEMENTS
Project Number: 2021-01

Lab Number: L2352524
Report Date: 09/22/23

SAMPLE RESULTS

Lab ID: L2352524-01
Client ID: EHS-ISMP-WC-D1
Sample Location: ELMIRA, NY

Date Collected: 09/08/23 12:10
Date Received: 09/08/23
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/13/23 12:31
Analyst: RMP
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 09/12/23 07:13
Cleanup Method: EPA 3665A
Cleanup Date: 09/12/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/12/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	54.0	4.79	1	A
Aroclor 1221	ND		ug/kg	54.0	5.41	1	A
Aroclor 1232	ND		ug/kg	54.0	11.4	1	A
Aroclor 1242	ND		ug/kg	54.0	7.28	1	A
Aroclor 1248	ND		ug/kg	54.0	8.10	1	A
Aroclor 1254	ND		ug/kg	54.0	5.90	1	A
Aroclor 1260	ND		ug/kg	54.0	9.98	1	A
Aroclor 1262	ND		ug/kg	54.0	6.86	1	A
Aroclor 1268	ND		ug/kg	54.0	5.59	1	A
PCBs, Total	ND		ug/kg	54.0	4.79	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	84		30-150	B

Project Name: EHS CAPITAL IMPROVEMENTS
Project Number: 2021-01

Lab Number: L2352524
Report Date: 09/22/23

SAMPLE RESULTS

Lab ID: L2352524-02
Client ID: EHS-ISMP-WC-D2
Sample Location: ELMIRA, NY

Date Collected: 09/08/23 14:20
Date Received: 09/08/23
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/13/23 01:46
Analyst: ER
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 09/12/23 07:13
Cleanup Method: EPA 3665A
Cleanup Date: 09/12/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/12/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	53.6	4.76	1	A
Aroclor 1221	ND		ug/kg	53.6	5.37	1	A
Aroclor 1232	ND		ug/kg	53.6	11.4	1	A
Aroclor 1242	ND		ug/kg	53.6	7.23	1	A
Aroclor 1248	ND		ug/kg	53.6	8.04	1	A
Aroclor 1254	ND		ug/kg	53.6	5.87	1	A
Aroclor 1260	ND		ug/kg	53.6	9.91	1	A
Aroclor 1262	ND		ug/kg	53.6	6.81	1	A
Aroclor 1268	ND		ug/kg	53.6	5.56	1	A
PCBs, Total	ND		ug/kg	53.6	4.76	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	49		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	90		30-150	B

Project Name: EHS CAPITAL IMPROVEMENTS
Project Number: 2021-01

Lab Number: L2352524
Report Date: 09/22/23

SAMPLE RESULTS

Lab ID: L2352524-03
Client ID: EHS-ISMP-WC-D3
Sample Location: ELMIRA, NY

Date Collected: 09/08/23 14:45
Date Received: 09/08/23
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/13/23 11:58
Analyst: MEO
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 09/12/23 07:13
Cleanup Method: EPA 3665A
Cleanup Date: 09/12/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/13/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	49.8	4.43	1	A
Aroclor 1221	ND		ug/kg	49.8	5.00	1	A
Aroclor 1232	ND		ug/kg	49.8	10.6	1	A
Aroclor 1242	ND		ug/kg	49.8	6.72	1	A
Aroclor 1248	192		ug/kg	49.8	7.48	1	B
Aroclor 1254	ND		ug/kg	49.8	5.45	1	A
Aroclor 1260	34.6	J	ug/kg	49.8	9.21	1	B
Aroclor 1262	ND		ug/kg	49.8	6.33	1	A
Aroclor 1268	ND		ug/kg	49.8	5.16	1	A
PCBs, Total	227	J	ug/kg	49.8	4.43	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	55		30-150	A
Decachlorobiphenyl	52		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	56		30-150	B

Project Name: EHS CAPITAL IMPROVEMENTS**Lab Number:** L2352524**Project Number:** 2021-01**Report Date:** 09/22/23**SAMPLE RESULTS**

Lab ID: L2352524-04
 Client ID: EHS-ISMP-WC-D4
 Sample Location: ELMIRA, NY

Date Collected: 09/08/23 15:40
 Date Received: 09/08/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 09/13/23 12:06
 Analyst: MEO
 Percent Solids: 92%

Extraction Method: EPA 3546
 Extraction Date: 09/12/23 07:13
 Cleanup Method: EPA 3665A
 Cleanup Date: 09/12/23
 Cleanup Method: EPA 3660B
 Cleanup Date: 09/13/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	50.0	4.44	1	A
Aroclor 1221	ND		ug/kg	50.0	5.02	1	A
Aroclor 1232	ND		ug/kg	50.0	10.6	1	A
Aroclor 1242	ND		ug/kg	50.0	6.75	1	A
Aroclor 1248	ND		ug/kg	50.0	7.51	1	A
Aroclor 1254	ND		ug/kg	50.0	5.48	1	A
Aroclor 1260	ND		ug/kg	50.0	9.25	1	A
Aroclor 1262	ND		ug/kg	50.0	6.36	1	A
Aroclor 1268	ND		ug/kg	50.0	5.18	1	A
PCBs, Total	ND		ug/kg	50.0	4.44	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	65		30-150	B

Project Name: EHS CAPITAL IMPROVEMENTS
Project Number: 2021-01

Lab Number: L2352524
Report Date: 09/22/23

SAMPLE RESULTS

Lab ID: L2352524-05
Client ID: EHS-ISMP-WC-D5
Sample Location: ELMIRA, NY

Date Collected: 09/08/23 15:15
Date Received: 09/08/23
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/13/23 12:14
Analyst: MEO
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 09/12/23 07:13
Cleanup Method: EPA 3665A
Cleanup Date: 09/12/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/13/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	52.0	4.62	1	A
Aroclor 1221	ND		ug/kg	52.0	5.21	1	A
Aroclor 1232	ND		ug/kg	52.0	11.0	1	A
Aroclor 1242	ND		ug/kg	52.0	7.01	1	A
Aroclor 1248	ND		ug/kg	52.0	7.80	1	A
Aroclor 1254	23.8	J	ug/kg	52.0	5.69	1	B
Aroclor 1260	ND		ug/kg	52.0	9.61	1	A
Aroclor 1262	ND		ug/kg	52.0	6.61	1	A
Aroclor 1268	ND		ug/kg	52.0	5.39	1	A
PCBs, Total	23.8	J	ug/kg	52.0	4.62	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	56		30-150	A
Decachlorobiphenyl	54		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	57		30-150	B

Project Name: EHS CAPITAL IMPROVEMENTS
Project Number: 2021-01

Lab Number: L2352524
Report Date: 09/22/23

SAMPLE RESULTS

Lab ID: L2352524-06
Client ID: EHS-ISMP-WC-D6
Sample Location: ELMIRA, NY

Date Collected: 09/08/23 13:30
Date Received: 09/08/23
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/13/23 12:22
Analyst: MEO
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 09/12/23 07:25
Cleanup Method: EPA 3665A
Cleanup Date: 09/12/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/13/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	50.2	4.45	1	A
Aroclor 1221	ND		ug/kg	50.2	5.03	1	A
Aroclor 1232	ND		ug/kg	50.2	10.6	1	A
Aroclor 1242	ND		ug/kg	50.2	6.76	1	A
Aroclor 1248	ND		ug/kg	50.2	7.52	1	A
Aroclor 1254	ND		ug/kg	50.2	5.49	1	A
Aroclor 1260	ND		ug/kg	50.2	9.27	1	A
Aroclor 1262	ND		ug/kg	50.2	6.37	1	A
Aroclor 1268	ND		ug/kg	50.2	5.20	1	A
PCBs, Total	ND		ug/kg	50.2	4.45	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	49		30-150	A
Decachlorobiphenyl	45		30-150	A
2,4,5,6-Tetrachloro-m-xylene	51		30-150	B
Decachlorobiphenyl	48		30-150	B

Project Name: EHS CAPITAL IMPROVEMENTS
Project Number: 2021-01

Lab Number: L2352524
Report Date: 09/22/23

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 09/12/23 23:57
 Analyst: ER

Extraction Method: EPA 3546
 Extraction Date: 09/12/23 07:13
 Cleanup Method: EPA 3665A
 Cleanup Date: 09/12/23
 Cleanup Method: EPA 3660B
 Cleanup Date: 09/12/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-06 Batch: WG1826330-1						
Aroclor 1016	ND		ug/kg	48.4	4.30	A
Aroclor 1221	ND		ug/kg	48.4	4.85	A
Aroclor 1232	ND		ug/kg	48.4	10.3	A
Aroclor 1242	ND		ug/kg	48.4	6.53	A
Aroclor 1248	ND		ug/kg	48.4	7.27	A
Aroclor 1254	ND		ug/kg	48.4	5.30	A
Aroclor 1260	ND		ug/kg	48.4	8.95	A
Aroclor 1262	ND		ug/kg	48.4	6.15	A
Aroclor 1268	ND		ug/kg	48.4	5.02	A
PCBs, Total	ND		ug/kg	48.4	4.30	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	72		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: EHS CAPITAL IMPROVEMENTS
Project Number: 2021-01

Lab Number: L2352524
Report Date: 09/22/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-06 Batch: WG1826330-2 WG1826330-3									
Aroclor 1016	60		61		40-140	2		50	A
Aroclor 1260	60		61		40-140	2		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		66		30-150	A
Decachlorobiphenyl	70		71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		65		30-150	B
Decachlorobiphenyl	71		73		30-150	B

METALS

Project Name: EHS CAPITAL IMPROVEMENTS**Lab Number:** L2352524**Project Number:** 2021-01**Report Date:** 09/22/23**SAMPLE RESULTS**

Lab ID: L2352524-01

Date Collected: 09/08/23 12:10

Client ID: EHS-ISMP-WC-D1

Date Received: 09/08/23

Sample Location: ELMIRA, NY

Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 09/11/23 02:28

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	0.0190	1	09/12/23 21:44	09/13/23 08:45	EPA 3015	1,6010D	DMB
Barium, TCLP	0.421	J	mg/l	0.500	0.0210	1	09/12/23 21:44	09/13/23 08:45	EPA 3015	1,6010D	DMB
Cadmium, TCLP	ND		mg/l	0.100	0.0100	1	09/12/23 21:44	09/13/23 08:45	EPA 3015	1,6010D	DMB
Chromium, TCLP	ND		mg/l	0.200	0.0210	1	09/12/23 21:44	09/13/23 08:45	EPA 3015	1,6010D	DMB
Lead, TCLP	ND		mg/l	0.500	0.0270	1	09/12/23 21:44	09/13/23 08:45	EPA 3015	1,6010D	DMB
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	09/12/23 16:57	09/21/23 18:42	EPA 7470A	1,7470A	MJR
Selenium, TCLP	ND		mg/l	0.500	0.0350	1	09/12/23 21:44	09/13/23 08:45	EPA 3015	1,6010D	DMB
Silver, TCLP	ND		mg/l	0.100	0.0280	1	09/12/23 21:44	09/13/23 08:45	EPA 3015	1,6010D	DMB



Project Name: EHS CAPITAL IMPROVEMENTS**Lab Number:** L2352524**Project Number:** 2021-01**Report Date:** 09/22/23**SAMPLE RESULTS**

Lab ID: L2352524-02

Date Collected: 09/08/23 14:20

Client ID: EHS-ISMP-WC-D2

Date Received: 09/08/23

Sample Location: ELMIRA, NY

Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 09/11/23 02:28

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	0.0190	1	09/12/23 21:44	09/13/23 08:49	EPA 3015	1,6010D	DMB
Barium, TCLP	0.705		mg/l	0.500	0.0210	1	09/12/23 21:44	09/13/23 08:49	EPA 3015	1,6010D	DMB
Cadmium, TCLP	ND		mg/l	0.100	0.0100	1	09/12/23 21:44	09/13/23 08:49	EPA 3015	1,6010D	DMB
Chromium, TCLP	ND		mg/l	0.200	0.0210	1	09/12/23 21:44	09/13/23 08:49	EPA 3015	1,6010D	DMB
Lead, TCLP	ND		mg/l	0.500	0.0270	1	09/12/23 21:44	09/13/23 08:49	EPA 3015	1,6010D	DMB
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	09/12/23 16:57	09/21/23 18:45	EPA 7470A	1,7470A	MJR
Selenium, TCLP	ND		mg/l	0.500	0.0350	1	09/12/23 21:44	09/13/23 08:49	EPA 3015	1,6010D	DMB
Silver, TCLP	ND		mg/l	0.100	0.0280	1	09/12/23 21:44	09/13/23 08:49	EPA 3015	1,6010D	DMB



Project Name: EHS CAPITAL IMPROVEMENTS**Lab Number:** L2352524**Project Number:** 2021-01**Report Date:** 09/22/23**SAMPLE RESULTS**

Lab ID: L2352524-03

Date Collected: 09/08/23 14:45

Client ID: EHS-ISMP-WC-D3

Date Received: 09/08/23

Sample Location: ELMIRA, NY

Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 09/11/23 02:28

Matrix: Soil

Percent Solids: 94%

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	0.0190	1	09/12/23 21:44	09/13/23 09:48	EPA 3015	1,6010D	DMB
Barium, TCLP	0.567		mg/l	0.500	0.0210	1	09/12/23 21:44	09/13/23 09:48	EPA 3015	1,6010D	DMB
Cadmium, TCLP	ND		mg/l	0.100	0.0100	1	09/12/23 21:44	09/13/23 09:48	EPA 3015	1,6010D	DMB
Chromium, TCLP	ND		mg/l	0.200	0.0210	1	09/12/23 21:44	09/13/23 09:48	EPA 3015	1,6010D	DMB
Lead, TCLP	ND		mg/l	0.500	0.0270	1	09/12/23 21:44	09/13/23 09:48	EPA 3015	1,6010D	DMB
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	09/12/23 16:57	09/21/23 18:49	EPA 7470A	1,7470A	MJR
Selenium, TCLP	ND		mg/l	0.500	0.0350	1	09/12/23 21:44	09/13/23 09:48	EPA 3015	1,6010D	DMB
Silver, TCLP	ND		mg/l	0.100	0.0280	1	09/12/23 21:44	09/13/23 09:48	EPA 3015	1,6010D	DMB



Project Name: EHS CAPITAL IMPROVEMENTS**Lab Number:** L2352524**Project Number:** 2021-01**Report Date:** 09/22/23**SAMPLE RESULTS**

Lab ID: L2352524-04

Date Collected: 09/08/23 15:40

Client ID: EHS-ISMP-WC-D4

Date Received: 09/08/23

Sample Location: ELMIRA, NY

Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 09/11/23 02:28

Matrix: Soil

Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
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TCLP Metals by EPA 1311 - Mansfield Lab

Arsenic, TCLP	0.0280	J	mg/l	1.00	0.0190	1	09/12/23 21:44	09/13/23 09:11	EPA 3015	1,6010D	DMB
Barium, TCLP	0.582		mg/l	0.500	0.0210	1	09/12/23 21:44	09/13/23 09:11	EPA 3015	1,6010D	DMB
Cadmium, TCLP	ND		mg/l	0.100	0.0100	1	09/12/23 21:44	09/13/23 09:11	EPA 3015	1,6010D	DMB
Chromium, TCLP	ND		mg/l	0.200	0.0210	1	09/12/23 21:44	09/13/23 09:11	EPA 3015	1,6010D	DMB
Lead, TCLP	ND		mg/l	0.500	0.0270	1	09/12/23 21:44	09/13/23 09:11	EPA 3015	1,6010D	DMB
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	09/12/23 16:57	09/21/23 18:52	EPA 7470A	1,7470A	MJR
Selenium, TCLP	ND		mg/l	0.500	0.0350	1	09/12/23 21:44	09/13/23 09:11	EPA 3015	1,6010D	DMB
Silver, TCLP	ND		mg/l	0.100	0.0280	1	09/12/23 21:44	09/13/23 09:11	EPA 3015	1,6010D	DMB



Project Name: EHS CAPITAL IMPROVEMENTS**Lab Number:** L2352524**Project Number:** 2021-01**Report Date:** 09/22/23**SAMPLE RESULTS**

Lab ID: L2352524-05

Date Collected: 09/08/23 15:15

Client ID: EHS-ISMP-WC-D5

Date Received: 09/08/23

Sample Location: ELMIRA, NY

Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 09/11/23 02:28

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	0.0307	J	mg/l	1.00	0.0190	1	09/12/23 21:44	09/13/23 09:16	EPA 3015	1,6010D	DMB
Barium, TCLP	0.554		mg/l	0.500	0.0210	1	09/12/23 21:44	09/13/23 09:16	EPA 3015	1,6010D	DMB
Cadmium, TCLP	ND		mg/l	0.100	0.0100	1	09/12/23 21:44	09/13/23 09:16	EPA 3015	1,6010D	DMB
Chromium, TCLP	ND		mg/l	0.200	0.0210	1	09/12/23 21:44	09/13/23 09:16	EPA 3015	1,6010D	DMB
Lead, TCLP	ND		mg/l	0.500	0.0270	1	09/12/23 21:44	09/13/23 09:16	EPA 3015	1,6010D	DMB
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	09/12/23 16:57	09/21/23 19:02	EPA 7470A	1,7470A	MJR
Selenium, TCLP	ND		mg/l	0.500	0.0350	1	09/12/23 21:44	09/13/23 09:16	EPA 3015	1,6010D	DMB
Silver, TCLP	ND		mg/l	0.100	0.0280	1	09/12/23 21:44	09/13/23 09:16	EPA 3015	1,6010D	DMB



Project Name: EHS CAPITAL IMPROVEMENTS**Lab Number:** L2352524**Project Number:** 2021-01**Report Date:** 09/22/23**SAMPLE RESULTS**

Lab ID: L2352524-06

Date Collected: 09/08/23 13:30

Client ID: EHS-ISMP-WC-D6

Date Received: 09/08/23

Sample Location: ELMIRA, NY

Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 09/11/23 02:28

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	0.0190	1	09/12/23 21:44	09/13/23 09:20	EPA 3015	1,6010D	DMB
Barium, TCLP	0.672		mg/l	0.500	0.0210	1	09/12/23 21:44	09/13/23 09:20	EPA 3015	1,6010D	DMB
Cadmium, TCLP	ND		mg/l	0.100	0.0100	1	09/12/23 21:44	09/13/23 09:20	EPA 3015	1,6010D	DMB
Chromium, TCLP	ND		mg/l	0.200	0.0210	1	09/12/23 21:44	09/13/23 09:20	EPA 3015	1,6010D	DMB
Lead, TCLP	ND		mg/l	0.500	0.0270	1	09/12/23 21:44	09/13/23 09:20	EPA 3015	1,6010D	DMB
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	09/12/23 16:57	09/21/23 19:06	EPA 7470A	1,7470A	MJR
Selenium, TCLP	ND		mg/l	0.500	0.0350	1	09/12/23 21:44	09/13/23 09:20	EPA 3015	1,6010D	DMB
Silver, TCLP	ND		mg/l	0.100	0.0280	1	09/12/23 21:44	09/13/23 09:20	EPA 3015	1,6010D	DMB



Project Name: EHS CAPITAL IMPROVEMENTS

Lab Number: L2352524

Project Number: 2021-01

Report Date: 09/22/23

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): 01-06 Batch: WG1826435-1										
Arsenic, TCLP	0.0254	J	mg/l	1.00	0.0190	1	09/12/23 21:42	09/13/23 07:14	1,6010D	DMB
Barium, TCLP	ND		mg/l	0.500	0.0210	1	09/12/23 21:42	09/13/23 07:14	1,6010D	DMB
Cadmium, TCLP	ND		mg/l	0.100	0.0100	1	09/12/23 21:42	09/13/23 07:14	1,6010D	DMB
Chromium, TCLP	ND		mg/l	0.200	0.0210	1	09/12/23 21:42	09/13/23 07:14	1,6010D	DMB
Lead, TCLP	ND		mg/l	0.500	0.0270	1	09/12/23 21:42	09/13/23 07:14	1,6010D	DMB
Selenium, TCLP	ND		mg/l	0.500	0.0350	1	09/12/23 21:42	09/13/23 07:14	1,6010D	DMB
Silver, TCLP	ND		mg/l	0.100	0.0280	1	09/12/23 21:42	09/13/23 07:14	1,6010D	DMB

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 09/09/23 12:10

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): 01-06 Batch: WG1826437-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	09/12/23 16:57	09/13/23 13:17	1,7470A	GMG

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 09/09/23 12:10

Lab Control Sample Analysis

Batch Quality Control

Project Name: EHS CAPITAL IMPROVEMENTS

Project Number: 2021-01

Lab Number: L2352524

Report Date: 09/22/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-06 Batch: WG1826435-2								
Arsenic, TCLP	102		-		75-125	-		20
Barium, TCLP	102		-		75-125	-		20
Cadmium, TCLP	98		-		75-125	-		20
Chromium, TCLP	100		-		75-125	-		20
Lead, TCLP	98		-		75-125	-		20
Selenium, TCLP	102		-		75-125	-		20
Silver, TCLP	100		-		75-125	-		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-06 Batch: WG1826437-2								
Mercury, TCLP	89		-		80-120	-		

Matrix Spike Analysis

Batch Quality Control

Project Name: EHS CAPITAL IMPROVEMENTS
Project Number: 2021-01

Lab Number: L2352524
Report Date: 09/22/23

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): 01-06 QC Batch ID: WG1826435-3 QC Sample: L2352296-11 Client ID: MS Sample												
Arsenic, TCLP	ND	1.2	1.19	99		-	-		75-125	-		20
Barium, TCLP	0.334J	20	20.2	101		-	-		75-125	-		20
Cadmium, TCLP	ND	0.53	0.507	96		-	-		75-125	-		20
Chromium, TCLP	ND	2	1.97	98		-	-		75-125	-		20
Lead, TCLP	ND	5.3	5.06	95		-	-		75-125	-		20
Selenium, TCLP	ND	1.2	1.18	98		-	-		75-125	-		20
Silver, TCLP	ND	0.5	0.480	96		-	-		75-125	-		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1826437-3 QC Sample: L2352296-11 Client ID: MS Sample												
Mercury, TCLP	ND	0.025	0.0227	91		-	-		75-125	-		20

Project Name: EHS CAPITAL IMPROVEMENTS
Project Number: 2021-01

Lab Duplicate Analysis
Batch Quality Control

Lab Number: L2352524
Report Date: 09/22/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1826435-4 QC Sample: L2352296-11 Client ID: DUP Sample						
Arsenic, TCLP	ND	ND	mg/l	NC		20
Barium, TCLP	0.334J	0.332J	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): 01-06 QC Batch ID: WG1826437-4 QC Sample: L2352296-11 Client ID: DUP Sample						
Mercury, TCLP	ND	ND	mg/l	NC		20

INORGANICS & MISCELLANEOUS

Project Name: EHS CAPITAL IMPROVEMENTS
Project Number: 2021-01

Lab Number: L2352524
Report Date: 09/22/23

SAMPLE RESULTS

Lab ID: L2352524-01
Client ID: EHS-ISMP-WC-D1
Sample Location: ELMIRA, NY

Date Collected: 09/08/23 12:10
Date Received: 09/08/23
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	91.8		%	0.100	NA	1	-	09/09/23 12:22	121,2540G	ROI
pH (H)	8.65		SU	-	NA	1	-	09/11/23 19:10	1,9045D	AAS
Flash Point	>150		deg F	70	NA	1	-	09/22/23 10:00	1,1010A	MRM
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/16/23 14:42	09/16/23 16:15	125,7.3	JLB
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/16/23 14:42	09/16/23 16:33	125,7.3	JLB
Paint Filter Liquid	Negative		-	0	NA	1	-	09/11/23 17:04	1,9095B	AAS



Project Name: EHS CAPITAL IMPROVEMENTS
Project Number: 2021-01

Lab Number: L2352524
Report Date: 09/22/23

SAMPLE RESULTS

Lab ID: L2352524-02
Client ID: EHS-ISMP-WC-D2
Sample Location: ELMIRA, NY

Date Collected: 09/08/23 14:20
Date Received: 09/08/23
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	-	09/09/23 12:22	121,2540G	ROI
pH (H)	8.55		SU	-	NA	1	-	09/11/23 19:10	1,9045D	AAS
Flash Point	>150		deg F	70	NA	1	-	09/22/23 10:00	1,1010A	MRM
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/16/23 14:42	09/16/23 16:15	125,7.3	JLB
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/16/23 14:42	09/16/23 16:33	125,7.3	JLB
Paint Filter Liquid	Negative		-	0	NA	1	-	09/11/23 17:04	1,9095B	AAS



Project Name: EHS CAPITAL IMPROVEMENTS
Project Number: 2021-01

Lab Number: L2352524
Report Date: 09/22/23

SAMPLE RESULTS

Lab ID: L2352524-03
Client ID: EHS-ISMP-WC-D3
Sample Location: ELMIRA, NY

Date Collected: 09/08/23 14:45
Date Received: 09/08/23
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	93.9		%	0.100	NA	1	-	09/09/23 12:22	121,2540G	ROI
pH (H)	8.58		SU	-	NA	1	-	09/11/23 19:10	1,9045D	AAS
Flash Point	>150		deg F	70	NA	1	-	09/22/23 10:00	1,1010A	MRM
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/16/23 14:42	09/16/23 16:16	125,7.3	JLB
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/16/23 14:42	09/16/23 16:34	125,7.3	JLB
Paint Filter Liquid	Negative		-	0	NA	1	-	09/11/23 17:04	1,9095B	AAS



Project Name: EHS CAPITAL IMPROVEMENTS
Project Number: 2021-01

Lab Number: L2352524
Report Date: 09/22/23

SAMPLE RESULTS

Lab ID: L2352524-04
Client ID: EHS-ISMP-WC-D4
Sample Location: ELMIRA, NY

Date Collected: 09/08/23 15:40
Date Received: 09/08/23
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	-	09/09/23 12:22	121,2540G	ROI
pH (H)	8.26		SU	-	NA	1	-	09/11/23 19:10	1,9045D	AAS
Flash Point	>150		deg F	70	NA	1	-	09/22/23 10:00	1,1010A	MRM
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/16/23 14:42	09/16/23 16:16	125,7.3	JLB
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/16/23 14:42	09/16/23 16:34	125,7.3	JLB
Paint Filter Liquid	Negative		-	0	NA	1	-	09/11/23 17:04	1,9095B	AAS



Project Name: EHS CAPITAL IMPROVEMENTS
Project Number: 2021-01

Lab Number: L2352524
Report Date: 09/22/23

SAMPLE RESULTS

Lab ID: L2352524-05
Client ID: EHS-ISMP-WC-D5
Sample Location: ELMIRA, NY

Date Collected: 09/08/23 15:15
Date Received: 09/08/23
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	91.7		%	0.100	NA	1	-	09/09/23 12:22	121,2540G	ROI
pH (H)	8.35		SU	-	NA	1	-	09/11/23 19:10	1,9045D	AAS
Flash Point	>150		deg F	70	NA	1	-	09/22/23 10:00	1,1010A	MRM
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/16/23 14:42	09/16/23 16:16	125,7.3	JLB
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/16/23 14:42	09/16/23 16:34	125,7.3	JLB
Paint Filter Liquid	Negative		-	0	NA	1	-	09/11/23 17:04	1,9095B	AAS



Project Name: EHS CAPITAL IMPROVEMENTS
Project Number: 2021-01

Lab Number: L2352524
Report Date: 09/22/23

SAMPLE RESULTS

Lab ID: L2352524-06
Client ID: EHS-ISMP-WC-D6
Sample Location: ELMIRA, NY

Date Collected: 09/08/23 13:30
Date Received: 09/08/23
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	-	09/09/23 12:22	121,2540G	ROI
pH (H)	8.63		SU	-	NA	1	-	09/11/23 19:10	1,9045D	AAS
Flash Point	>150		deg F	70	NA	1	-	09/22/23 10:00	1,1010A	MRM
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/16/23 14:42	09/16/23 16:17	125,7.3	JLB
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/16/23 14:42	09/16/23 16:42	125,7.3	JLB
Paint Filter Liquid	Negative		-	0	NA	1	-	09/11/23 17:04	1,9095B	AAS



Project Name: EHS CAPITAL IMPROVEMENTS
Project Number: 2021-01

Lab Number: L2352524
Report Date: 09/22/23

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): 01-06 Batch: WG1828307-1										
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/16/23 14:42	09/16/23 16:05	125,7.3	JLB
General Chemistry - Westborough Lab for sample(s): 01-06 Batch: WG1828308-1										
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/16/23 14:42	09/16/23 16:28	125,7.3	JLB

Lab Control Sample Analysis

Batch Quality Control

Project Name: EHS CAPITAL IMPROVEMENTS

Project Number: 2021-01

Lab Number: L2352524

Report Date: 09/22/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 Batch: WG1826190-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01-06 Batch: WG1828307-2								
Cyanide, Reactive	93		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01-06 Batch: WG1828308-2								
Sulfide, Reactive	73		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01-06 Batch: WG1830760-1								
Flash Point	100		-		96-104	-		

Project Name: EHS CAPITAL IMPROVEMENTS
Project Number: 2021-01

Lab Duplicate Analysis
Batch Quality Control

Lab Number: L2352524
Report Date: 09/22/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1825595-1 QC Sample: L2352354-41 Client ID: DUP Sample						
Solids, Total	85.6	83.3	%	3		20
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1826190-2 QC Sample: L2351421-01 Client ID: DUP Sample						
pH	6.93	7.01	SU	1		5
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1828307-3 QC Sample: L2352524-06 Client ID: EHS-ISMP-WC-D6						
Cyanide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1828308-3 QC Sample: L2352524-06 Client ID: EHS-ISMP-WC-D6						
Sulfide, Reactive	ND	ND	mg/kg	NC		40

Project Name: EHS CAPITAL IMPROVEMENTS**Lab Number:** L2352524**Project Number:** 2021-01**Report Date:** 09/22/23**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(*)
L2352524-01A	Plastic 2oz unpreserved for TS	A	NA		2.3	Y	Absent		TS(7)
L2352524-01B	Glass 120ml/4oz unpreserved	A	NA		2.3	Y	Absent		REACTS(14),FLASH(),PH-9045(1),PAINTF(),REACTCN(14),NYTCL-8082(365)
L2352524-01C	Vial Large Septa unpreserved (4oz)	A	NA		2.3	Y	Absent		TCLP-EXT-ZHE(14)
L2352524-01D	Glass 500ml/16oz unpreserved	A	NA		2.3	Y	Absent		REACTS(14),FLASH(),PH-9045(1),PAINTF(),REACTCN(14),NYTCL-8082(365)
L2352524-01V	Plastic 120ml HNO3 preserved Extracts	A	NA		2.3	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)
L2352524-01W	Amber 1000ml unpreserved Extracts	A	NA		2.3	Y	Absent		TCLP-8270(14)
L2352524-01X	Vial unpreserved Extracts	A	NA		2.3	Y	Absent		TCLP-VOA(14)
L2352524-01X9	Tumble Vessel	A	NA		2.3	Y	Absent		-
L2352524-01Y	Vial unpreserved Extracts	A	NA		2.3	Y	Absent		TCLP-VOA(14)
L2352524-01Z	Vial unpreserved Extracts	A	NA		2.3	Y	Absent		TCLP-VOA(14)
L2352524-02A	Plastic 2oz unpreserved for TS	A	NA		2.3	Y	Absent		TS(7)
L2352524-02B	Glass 120ml/4oz unpreserved	A	NA		2.3	Y	Absent		REACTS(14),FLASH(),PH-9045(1),PAINTF(),NYTCL-8082(365),REACTCN(14)
L2352524-02C	Vial Large Septa unpreserved (4oz)	A	NA		2.3	Y	Absent		TCLP-EXT-ZHE(14)
L2352524-02D	Glass 500ml/16oz unpreserved	A	NA		2.3	Y	Absent		REACTS(14),FLASH(),PH-9045(1),PAINTF(),NYTCL-8082(365),REACTCN(14)
L2352524-02V	Plastic 120ml HNO3 preserved Extracts	A	NA		2.3	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)
L2352524-02W	Amber 1000ml unpreserved Extracts	A	NA		2.3	Y	Absent		TCLP-8270(14)
L2352524-02X	Vial unpreserved Extracts	A	NA		2.3	Y	Absent		TCLP-VOA(14)
L2352524-02X9	Tumble Vessel	A	NA		2.3	Y	Absent		-

Project Name: EHS CAPITAL IMPROVEMENTS**Lab Number:** L2352524**Project Number:** 2021-01**Report Date:** 09/22/23**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2352524-02Y	Vial unpreserved Extracts	A	NA		2.3	Y	Absent		TCLP-VOA(14)
L2352524-02Z	Vial unpreserved Extracts	A	NA		2.3	Y	Absent		TCLP-VOA(14)
L2352524-03A	Plastic 2oz unpreserved for TS	A	NA		2.3	Y	Absent		TS(7)
L2352524-03B	Glass 120ml/4oz unpreserved	A	NA		2.3	Y	Absent		REACTS(14),FLASH(),PH-9045(1),PAINTF(),NYTCL-8082(365),REACTCN(14)
L2352524-03C	Vial Large Septa unpreserved (4oz)	A	NA		2.3	Y	Absent		TCLP-EXT-ZHE(14)
L2352524-03D	Glass 500ml/16oz unpreserved	A	NA		2.3	Y	Absent		REACTS(14),FLASH(),PH-9045(1),PAINTF(),NYTCL-8082(365),REACTCN(14)
L2352524-03V	Plastic 120ml HNO3 preserved Extracts	A	NA		2.3	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)
L2352524-03W	Amber 1000ml unpreserved Extracts	A	NA		2.3	Y	Absent		TCLP-8270(14)
L2352524-03X	Vial unpreserved Extracts	A	NA		2.3	Y	Absent		TCLP-VOA(14)
L2352524-03X9	Tumble Vessel	A	NA		2.3	Y	Absent		-
L2352524-03Y	Vial unpreserved Extracts	A	NA		2.3	Y	Absent		TCLP-VOA(14)
L2352524-03Z	Vial unpreserved Extracts	A	NA		2.3	Y	Absent		TCLP-VOA(14)
L2352524-04A	Plastic 2oz unpreserved for TS	A	NA		2.3	Y	Absent		TS(7)
L2352524-04B	Glass 120ml/4oz unpreserved	A	NA		2.3	Y	Absent		REACTS(14),FLASH(),PH-9045(1),PAINTF(),NYTCL-8082(365),REACTCN(14)
L2352524-04C	Vial Large Septa unpreserved (4oz)	A	NA		2.3	Y	Absent		TCLP-EXT-ZHE(14)
L2352524-04D	Glass 500ml/16oz unpreserved	A	NA		2.3	Y	Absent		REACTS(14),FLASH(),PH-9045(1),PAINTF(),NYTCL-8082(365),REACTCN(14)
L2352524-04V	Plastic 120ml HNO3 preserved Extracts	A	NA		2.3	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)
L2352524-04W	Amber 1000ml unpreserved Extracts	A	NA		2.3	Y	Absent		TCLP-8270(14)
L2352524-04X	Vial unpreserved Extracts	A	NA		2.3	Y	Absent		TCLP-VOA(14)
L2352524-04X9	Tumble Vessel	A	NA		2.3	Y	Absent		-
L2352524-04Y	Vial unpreserved Extracts	A	NA		2.3	Y	Absent		TCLP-VOA(14)
L2352524-04Z	Vial unpreserved Extracts	A	NA		2.3	Y	Absent		TCLP-VOA(14)
L2352524-05A	Plastic 2oz unpreserved for TS	A	NA		2.3	Y	Absent		TS(7)

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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2352524-05B	Glass 120ml/4oz unpreserved	A	NA		2.3	Y	Absent		REACTS(14),FLASH(),PH-9045(1),PAINTF(),REACTCN(14),NYTCL-8082(365)
L2352524-05C	Vial Large Septa unpreserved (4oz)	A	NA		2.3	Y	Absent		TCLP-EXT-ZHE(14)
L2352524-05D	Glass 500ml/16oz unpreserved	A	NA		2.3	Y	Absent		REACTS(14),FLASH(),PH-9045(1),PAINTF(),REACTCN(14),NYTCL-8082(365)
L2352524-05V	Plastic 120ml HNO3 preserved Extracts	A	NA		2.3	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)
L2352524-05W	Amber 1000ml unpreserved Extracts	A	NA		2.3	Y	Absent		TCLP-8270(14)
L2352524-05X	Vial unpreserved Extracts	A	NA		2.3	Y	Absent		TCLP-VOA(14)
L2352524-05X9	Tumble Vessel	A	NA		2.3	Y	Absent		-
L2352524-05Y	Vial unpreserved Extracts	A	NA		2.3	Y	Absent		TCLP-VOA(14)
L2352524-05Z	Vial unpreserved Extracts	A	NA		2.3	Y	Absent		TCLP-VOA(14)
L2352524-06A	Plastic 2oz unpreserved for TS	A	NA		2.3	Y	Absent		TS(7)
L2352524-06B	Glass 120ml/4oz unpreserved	A	NA		2.3	Y	Absent		REACTS(14),FLASH(),PH-9045(1),PAINTF(),REACTCN(14),NYTCL-8082(365)
L2352524-06C	Vial Large Septa unpreserved (4oz)	A	NA		2.3	Y	Absent		TCLP-EXT-ZHE(14)
L2352524-06D	Glass 500ml/16oz unpreserved	A	NA		2.3	Y	Absent		REACTS(14),FLASH(),PH-9045(1),PAINTF(),REACTCN(14),NYTCL-8082(365)
L2352524-06V	Plastic 120ml HNO3 preserved Extracts	A	NA		2.3	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)
L2352524-06W	Amber 1000ml unpreserved Extracts	A	NA		2.3	Y	Absent		TCLP-8270(14)
L2352524-06X	Vial unpreserved Extracts	A	NA		2.3	Y	Absent		TCLP-VOA(14)
L2352524-06X9	Tumble Vessel	A	NA		2.3	Y	Absent		-
L2352524-06Y	Vial unpreserved Extracts	A	NA		2.3	Y	Absent		TCLP-VOA(14)
L2352524-06Z	Vial unpreserved Extracts	A	NA		2.3	Y	Absent		TCLP-VOA(14)

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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.

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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

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Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

- 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.)

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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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Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility**EPA 624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 625.1:** alpha-Terpineol**EPA 8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 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 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 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).**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 1		Date Rec'd in Lab 9/19/23		ALPHA Job # L2352529									
		Project Information Project Name: EHS-Capital Improvements Project Location: Elmira, NY Project # 2021-01 (Use Project name as Project #) ☐ Project Manager: M. Devo / A. Millsponagh ALPHAQuote #: Turn-Around Time Standard ☒ Rush (only if pre approved) ☐ Due Date: # of Days:		Deliverables ☒ ASP-A ☐ ASP-B ☐ EQuIS (1 File) ☐ EQuIS (4 File) ☐ Other		Billing Information ☒ Same as Client Info PO #											
Client Information Client: Sterling Env Eng Address: 24 Wade Rd Catham, NY 12110 Phone: 518-456-4900 Fax: Email:		Regulatory Requirement ☐ NY TOGS ☐ NY Part 375 ☐ AWQ Standards ☐ NY CP-51 ☐ NY Restricted Use ☒ Other Waste Characterization ☐ 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: → and raw.millsponagh@sterlingenvironmental.com amanda.castignetti@sterlingenvironmental.com Please specify Metals or TAL.						ANALYSIS				Sample Filtration ☐ Done ☐ Lab to do Preservation ☐ Lab to do (Please Specify below)		Total Bottles					
ALPHA Lab ID (Lab Use Only)		Sample ID		Collection		Sample Matrix	Sampler's Initials	TCLP VOCs	TCLP SVOCs	Paint Filter Test	TCLP RECA Metals		Flash points, pH, reactivity (cyanide sulfide)	Total PCBs	Total Solids	Sample Specific Comments	
52529-01		EHS-ISMP-WC-D1		9/8/2023 1210		SOIL	AMC	X	X	X	X		X	X	X		4
02		EHS-ISMP-WC-D2		1420													
03		EHS-ISMP-WC-D3		1445													
04		EHS-ISMP-WC-D4		1540													
05		EHS-ISMP-WC-D5		1515													
06		EHS-ISMP-WC-D6		1330													
Preservative Code:		Container Code		Westboro: Certification No: MA935		Container Type		A	A	A	A	A	A	P	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. (See reverse side.)		
A = None		P = Plastic		Mansfield: Certification No: MA015		Preservative		A	A	A	A	A	A				
B = HCl		A = Amber Glass															
C = HNO ₃		V = Vial															
D = H ₂ SO ₄		G = Glass															
E = NaOH		B = Bacteria Cup															
F = MeOH		C = Cube															
G = NaHSO ₄		O = Other															
H = Na ₂ S ₂ O ₃		E = Encore															
K/E = Zn Ac/NaOH		D = BOD Bottle															
O = Other																	
Form No: 01-25 HC (rev. 30-Sept-2013)				Relinquished By:		Date/Time		Received By:		Date/Time							
				<i>[Signature]</i>		9/8/23, 2000		<i>[Signature]</i>		9/19/23 2000							
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				<i>[Signature]</i>		9/8/23 2130		<i>[Signature]</i>		9/9/23 1:00							

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

Generated 10/3/2023 2:42:01 PM

JOB DESCRIPTION

Former Sperry Remington-Characterization

JOB NUMBER

180-162182-1

Eurofins Pittsburgh

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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Authorized for release by
David Dunlap, Senior Project Manager
David.Dunlap@et.eurofinsus.com
(412)963-2432

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Case Narrative

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-162182-1

Job ID: 180-162182-1

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative 180-162182-1

Receipt

The samples were received on 9/12/2023 at the Eurofins Pittsburgh, PA and Edison, NJ laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.2° C and 3.9° C.

GC/MS VOA

Method 8260C: The laboratory control sample (LCS) for batch 180-446325 recovered below the control limits for the following analyte: Carbon tetrachloride. A low-level LCS (LLCS), spiked at the reporting limit (RL), was prepared with this batch. The affected target analyte recovered within acceptance limits; therefore, the LLCS demonstrates the analytical system had sufficient sensitivity to detect the analyte had it been present. Since the affected target analyte was not detected in the associated sample, the results were reported. The recoveries in the laboratory control sample duplicate (LCSD) was within the control limits.

Method 8260C: The laboratory control sample (LCS) for batch 180-446325 recovered above the control limits for the following analyte: Vinyl chloride. As this analyte was biased high in the LCS and was not detected in the associated samples, the results were reported.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-446325 was below criteria for the following analyte: Carbon tetrachloride. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-446325 was above criteria for the following analyte: Vinyl chloride. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

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

GC/MS Semi VOA

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

GC Semi VOA

Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-446497 (CCV 180-446497/4) was below criteria for aroclor 1248 on column RTX-CLP1. Aroclor 1248 was not detected in the associated sample on either column.

Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-446497 (CCVIS 180-446497/27) was below criteria for aroclors 1016 and 1260 on both columns. A reporting limit (RL) standard was analyzed, and both aroclors were detected. Since the associated sample did not have either aroclor detected, the results were reported. Surrogate tetrachloro-m-xylene was also below criteria on column RTX-CLP2. The associated sample surrogate recoveries were within the control limits.

Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-446612 (CCV 180-446612/1) was above criteria for aroclor 1254 for 1 peak on column RTX-CLP1. Associated positive sample results for aroclor 1254 were reported from column RTX-CLP2 which met criteria.

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

Metals

Method 6010C: The initial low level continuing calibration verification (ICVL) associated with batch 180-448054 recovered above the control limits for arsenic. As the sample associated with this ICVL did not have arsenic detected, the results were reported.

Method 6010C: The continuing calibration verifications (CCV) associated with batch 180-448054 (CCV 180-448054/61, CCV 180-448054/73 and CCV 180-448054/85) recovered above the control limits for cadmium and selenium. As the sample associated with these CCVs did not have cadmium or selenium detected or had them detected below the reporting limit, the results were reported.

Method 7471B: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-ISMP-OGCOMP (180-162182-1) had the recoveries of

Case Narrative

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-162182-1

Job ID: 180-162182-1 (Continued)

Laboratory: Eurofins Pittsburgh (Continued)

mercury below the control limits. The RPD between the spikes and the recovery of the laboratory control sample were within the control limits.

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

General Chemistry

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

Definitions/Glossary

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-162182-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*+	LCS and/or LCSD is outside acceptance limits, high biased.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

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

Metals

Qualifier	Qualifier Description
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
^1+	Initial Calibration Verification (ICV) is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Eurofins Pittsburgh

Definitions/Glossary

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-162182-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TNTC	Too Numerous To Count

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Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-162182-1

Laboratory: Eurofins Pittsburgh

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	04-01-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Moisture
2540G		Solid	Percent Solids

Laboratory: Eurofins Edison

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-01-24

Sample Summary

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-162182-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-162182-1	SSHS-ISMP-OGCOMP	Solid	09/11/23 14:20	09/12/23 09:30

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

Method Summary

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-162182-1

Method	Method Description	Protocol	Laboratory
EPA 8260C	Volatile Organic Compounds by GC/MS	SW846	EET PIT
EPA 8270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET PIT
EPA 6010C	Metals (ICP)	SW846	EET PIT
EPA 7470A	Mercury (CVAA)	SW846	EET PIT
1030	Ignitability, Solids	SW846	EET EDI
2540G	SM 2540G	SM22	EET PIT
EPA 9014	Cyanide	SW846	EET PIT
EPA 9034	Sulfide, Acid soluble and Insoluble (Titrimetric)	SW846	EET PIT
EPA 9045D	pH	SW846	EET PIT
3010A	Preparation, Total Metals	SW846	EET PIT
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET PIT
3541	Automated Soxhlet Extraction	SW846	EET PIT
3660B	Sulfur Cleanup	SW846	EET PIT
3665A	Sulfuric Acid/Permanganate Cleanup	SW846	EET PIT
5030C	Purge and Trap	SW846	EET PIT
7470A	Preparation, Mercury	SW846	EET PIT
9010C	Cyanide, Distillation	SW846	EET PIT
9030B	Sulfide, Distillation (Acid Soluble and Insoluble)	SW846	EET PIT
EPA 1311	TCLP Extraction	SW846	EET PIT

Protocol References:

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition

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

Laboratory References:

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

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

Lab Chronicle

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-162182-1

Client Sample ID: SSHS-ISMP-OGCOMP

Lab Sample ID: 180-162182-1

Date Collected: 09/11/23 14:20

Matrix: Solid

Date Received: 09/12/23 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	EPA 1311			25.06 g	1.0 mL	446244	09/12/23 13:00	DMM	EET PIT
TCLP	Analysis	EPA 8260C		1	0.25 mL	5 mL	446325	09/13/23 11:55	SGR	EET PIT
		Instrument ID: CHHP10								
TCLP	Leach	EPA 1311			100.10 g	2000 mL	446234	09/12/23 12:45	DMM	EET PIT
TCLP	Prep	3510C			200 mL	10.0 mL	446439	09/13/23 23:15	CBY	EET PIT
TCLP	Analysis	EPA 8270D		1	1 mL	1 mL	446450	09/14/23 15:52	VVP	EET PIT
		Instrument ID: CH71								
TCLP	Leach	EPA 1311			100.10 g	2000 mL	446234	09/12/23 12:45	DMM	EET PIT
TCLP	Prep	3010A			5 mL	50 mL	446346	09/13/23 09:05	S1Z	EET PIT
TCLP	Analysis	EPA 6010C		1			448054	09/29/23 17:51	AAS	EET PIT
		Instrument ID: Q								
TCLP	Leach	EPA 1311			100.10 g	2000 mL	446234	09/12/23 12:45	DMM	EET PIT
TCLP	Prep	7470A			25 mL	25 mL	446327	09/13/23 07:41	RJR	EET PIT
TCLP	Analysis	EPA 7470A		1			446372	09/13/23 10:03	RJR	EET PIT
		Instrument ID: HGY								
Total/NA	Analysis	1030		1			932464	09/15/23 16:23	YAH	EET EDI
		Instrument ID: NOEQUIP								
Total/NA	Analysis	2540G		1			446261	09/12/23 16:00	CRL	EET PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	EPA 9045D		1	20.14 g	20 mL	446874	09/18/23 15:43	ELS	EET PIT
		Instrument ID: NOEQUIP								

Client Sample ID: SSHS-ISMP-OGCOMP

Lab Sample ID: 180-162182-1

Date Collected: 09/11/23 14:20

Matrix: Solid

Date Received: 09/12/23 09:30

Percent Solids: 82.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	20.0 mL	446403	09/13/23 14:00	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	446453	09/14/23 05:08	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	446454	09/14/23 05:10	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	446612	09/15/23 15:52	JMO	EET PIT
		Instrument ID: CHGC16								
Total/NA	Prep	9010C			0.26 g	10 mL	446973	09/19/23 17:00	CMR	EET PIT
Total/NA	Analysis	EPA 9014		1			447052	09/19/23 19:41	CMR	EET PIT
		Instrument ID: SEAL1								
Total/NA	Prep	9030B			5.01 mL	50 mL	446527	09/14/23 10:38	BAB	EET PIT
Total/NA	Analysis	EPA 9034		1			446559	09/14/23 14:18	BAB	EET PIT
		Instrument ID: NOEQUIP								

¹ This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

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

Eurofins Pittsburgh

Lab Chronicle

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-162182-1

Analyst References:

Lab: EET EDI

Batch Type: Analysis

YAH = Youhao Hu

Lab: EET PIT

Batch Type: Leach

DMM = Dominic Mancino

JMO = John Oravec

Batch Type: Prep

BAB = Brooke Batyi

CBY = Charles Yushinski

CMR = Carl Reagle

DVC = Daniel Capodanno

RJR = Ron Rosenbaum

S1Z = Sage Ziviello

Batch Type: Analysis

AAS = Ariana Swick

BAB = Brooke Batyi

CMR = Carl Reagle

CRL = Craig Tronzo

ELS = Edwin Shireman

JMO = John Oravec

RJR = Ron Rosenbaum

SGR = Steven Russell

VVP = Vincent Piccolino

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Client Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-162182-1

Client Sample ID: SSSH-ISMP-OGCOMP

Lab Sample ID: 180-162182-1

Date Collected: 09/11/23 14:20

Matrix: Solid

Date Received: 09/12/23 09:30

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.20	0.012	mg/L			09/13/23 11:55	1
2-Butanone (MEK)	0.12	J B	1.0	0.051	mg/L			09/13/23 11:55	1
Carbon tetrachloride	ND	*-	0.20	0.018	mg/L			09/13/23 11:55	1
Chlorobenzene	ND		0.20	0.010	mg/L			09/13/23 11:55	1
Chloroform	ND		0.20	0.012	mg/L			09/13/23 11:55	1
1,2-Dichloroethane	ND		0.20	0.011	mg/L			09/13/23 11:55	1
1,1-Dichloroethene	ND		0.20	0.011	mg/L			09/13/23 11:55	1
Tetrachloroethene	ND		0.20	0.0093	mg/L			09/13/23 11:55	1
Trichloroethene	ND		0.20	0.014	mg/L			09/13/23 11:55	1
Vinyl chloride	ND	*+	0.20	0.0081	mg/L			09/13/23 11:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	75		49 - 118		09/13/23 11:55	1
Dibromofluoromethane (Surr)	89		60 - 132		09/13/23 11:55	1
1,2-Dichloroethane-d4 (Surr)	94		52 - 151		09/13/23 11:55	1
Toluene-d8 (Surr)	100		53 - 124		09/13/23 11:55	1

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.050	0.0045	mg/L		09/13/23 23:15	09/14/23 15:52	1
2,4-Dinitrotoluene	ND		0.050	0.0079	mg/L		09/13/23 23:15	09/14/23 15:52	1
Hexachlorobenzene	ND		0.050	0.0055	mg/L		09/13/23 23:15	09/14/23 15:52	1
Hexachlorobutadiene	ND		0.050	0.0084	mg/L		09/13/23 23:15	09/14/23 15:52	1
Hexachloroethane	ND		0.050	0.0040	mg/L		09/13/23 23:15	09/14/23 15:52	1
2-Methylphenol	ND		0.050	0.0040	mg/L		09/13/23 23:15	09/14/23 15:52	1
Methylphenol, 3 & 4	ND		0.050	0.0079	mg/L		09/13/23 23:15	09/14/23 15:52	1
Nitrobenzene	ND		0.050	0.012	mg/L		09/13/23 23:15	09/14/23 15:52	1
Pentachlorophenol	ND		0.25	0.0075	mg/L		09/13/23 23:15	09/14/23 15:52	1
Pyridine	ND		0.10	0.0082	mg/L		09/13/23 23:15	09/14/23 15:52	1
2,4,5-Trichlorophenol	ND		0.050	0.0079	mg/L		09/13/23 23:15	09/14/23 15:52	1
2,4,6-Trichlorophenol	ND		0.050	0.0095	mg/L		09/13/23 23:15	09/14/23 15:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	68		55 - 105	09/13/23 23:15	09/14/23 15:52	1
2-Fluorophenol (Surr)	70		55 - 105	09/13/23 23:15	09/14/23 15:52	1
Nitrobenzene-d5 (Surr)	78		55 - 109	09/13/23 23:15	09/14/23 15:52	1
Phenol-d5 (Surr)	66		48 - 105	09/13/23 23:15	09/14/23 15:52	1
Terphenyl-d14 (Surr)	72		37 - 107	09/13/23 23:15	09/14/23 15:52	1
2,4,6-Tribromophenol (Surr)	51		32 - 115	09/13/23 23:15	09/14/23 15:52	1

Method: SW846 EPA 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND	^1+	0.50	0.083	mg/L		09/13/23 09:05	09/29/23 17:51	1
Barium	0.59	J	2.0	0.063	mg/L		09/13/23 09:05	09/29/23 17:51	1
Cadmium	ND	^+	0.50	0.0030	mg/L		09/13/23 09:05	09/29/23 17:51	1
Chromium	ND		0.50	0.016	mg/L		09/13/23 09:05	09/29/23 17:51	1
Lead	ND		0.50	0.044	mg/L		09/13/23 09:05	09/29/23 17:51	1
Selenium	0.052	J ^+	0.50	0.037	mg/L		09/13/23 09:05	09/29/23 17:51	1
Silver	ND		0.50	0.0091	mg/L		09/13/23 09:05	09/29/23 17:51	1

Eurofins Pittsburgh

Client Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-162182-1

Client Sample ID: SSHS-ISMP-OGCOMP

Lab Sample ID: 180-162182-1

Date Collected: 09/11/23 14:20

Matrix: Solid

Date Received: 09/12/23 09:30

Method: SW846 EPA 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	F1	0.00020	0.00013	mg/L		09/13/23 07:41	09/13/23 10:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate (SW846 1030)	ND		2.20	2.20	mm/sec			09/15/23 16:23	1
Percent Moisture (SM22 2540G)	18.0		0.1	0.1	%			09/12/23 16:00	1
Percent Solids (SM22 2540G)	82.0		0.1	0.1	%			09/12/23 16:00	1
pH (SW846 EPA 9045D)	8.0	HF	0.1	0.1	SU			09/18/23 15:43	1

Client Sample ID: SSHS-ISMP-OGCOMP

Lab Sample ID: 180-162182-1

Date Collected: 09/11/23 14:20

Matrix: Solid

Date Received: 09/12/23 09:30

Percent Solids: 82.0

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		20	6.6	ug/Kg	✱	09/13/23 14:00	09/15/23 15:52	1
PCB-1221	ND		20	7.1	ug/Kg	✱	09/13/23 14:00	09/15/23 15:52	1
PCB-1232	ND		20	4.9	ug/Kg	✱	09/13/23 14:00	09/15/23 15:52	1
PCB-1242	ND		20	3.0	ug/Kg	✱	09/13/23 14:00	09/15/23 15:52	1
PCB-1248	ND		20	4.8	ug/Kg	✱	09/13/23 14:00	09/15/23 15:52	1
PCB-1254	120		20	6.1	ug/Kg	✱	09/13/23 14:00	09/15/23 15:52	1
PCB-1260	ND		20	5.7	ug/Kg	✱	09/13/23 14:00	09/15/23 15:52	1
PCB-1262	ND		20	7.1	ug/Kg	✱	09/13/23 14:00	09/15/23 15:52	1
PCB-1268	ND		20	2.7	ug/Kg	✱	09/13/23 14:00	09/15/23 15:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	97		63 - 138	09/13/23 14:00	09/15/23 15:52	1
DCB Decachlorobiphenyl (Surr)	101		63 - 138	09/13/23 14:00	09/15/23 15:52	1
Tetrachloro-m-xylene (Surr)	86		55 - 135	09/13/23 14:00	09/15/23 15:52	1
Tetrachloro-m-xylene (Surr)	87		55 - 135	09/13/23 14:00	09/15/23 15:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 EPA 9014)	0.77		0.47	0.36	mg/Kg	✱	09/19/23 17:00	09/19/23 19:41	1
Sulfide (SW846 EPA 9034)	ND		37	12	mg/Kg	✱	09/14/23 10:38	09/14/23 14:18	1

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QC Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-162182-1

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

Lab Sample ID: LCS 180-446325/3

Matrix: Solid

Analysis Batch: 446325

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.0100	0.0104		mg/L		104	68 - 122
2-Butanone (MEK)	0.0100	0.00728	J	mg/L		73	35 - 158
Carbon tetrachloride	0.0100	0.00590	J *	mg/L		59	60 - 135
Chlorobenzene	0.0100	0.00994	J	mg/L		99	72 - 123
Chloroform	0.0100	0.00941	J	mg/L		94	62 - 121
1,2-Dichloroethane	0.0100	0.00980	J	mg/L		98	57 - 149
1,1-Dichloroethene	0.0100	0.00777	J	mg/L		78	49 - 132
Tetrachloroethene	0.0100	0.00900	J	mg/L		90	60 - 129
Trichloroethene	0.0100	0.0100		mg/L		100	67 - 121
Vinyl chloride	0.0100	0.0149	*+	mg/L		149	47 - 147

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		49 - 118
Dibromofluoromethane (Surr)	88		60 - 132
1,2-Dichloroethane-d4 (Surr)	100		52 - 151
Toluene-d8 (Surr)	102		53 - 124

Lab Sample ID: LCSD 180-446325/4

Matrix: Solid

Analysis Batch: 446325

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.0100	0.00991	J	mg/L		99	68 - 122	5	21
2-Butanone (MEK)	0.0100	0.00778	J	mg/L		78	35 - 158	7	35
Carbon tetrachloride	0.0100	0.00619	J	mg/L		62	60 - 135	5	25
Chlorobenzene	0.0100	0.00958	J	mg/L		96	72 - 123	4	19
Chloroform	0.0100	0.00951	J	mg/L		95	62 - 121	1	22
1,2-Dichloroethane	0.0100	0.00979	J	mg/L		98	57 - 149	0	27
1,1-Dichloroethene	0.0100	0.00861	J	mg/L		86	49 - 132	10	23
Tetrachloroethene	0.0100	0.00910	J	mg/L		91	60 - 129	1	22
Trichloroethene	0.0100	0.00898	J	mg/L		90	67 - 121	11	23
Vinyl chloride	0.0100	0.0145		mg/L		145	47 - 147	2	25

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	87		49 - 118
Dibromofluoromethane (Surr)	85		60 - 132
1,2-Dichloroethane-d4 (Surr)	92		52 - 151
Toluene-d8 (Surr)	96		53 - 124

Lab Sample ID: LB 180-446244/1-A

Matrix: Solid

Analysis Batch: 446325

Client Sample ID: Method Blank

Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.20	0.012	mg/L			09/13/23 10:56	1
2-Butanone (MEK)	0.135	J	1.0	0.051	mg/L			09/13/23 10:56	1
Carbon tetrachloride	ND		0.20	0.018	mg/L			09/13/23 10:56	1
Chlorobenzene	ND		0.20	0.010	mg/L			09/13/23 10:56	1

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QC Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-162182-1

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

Lab Sample ID: LB 180-446244/1-A

Matrix: Solid

Analysis Batch: 446325

Client Sample ID: Method Blank

Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		0.20	0.012	mg/L			09/13/23 10:56	1
1,2-Dichloroethane	ND		0.20	0.011	mg/L			09/13/23 10:56	1
1,1-Dichloroethene	ND		0.20	0.011	mg/L			09/13/23 10:56	1
Tetrachloroethene	ND		0.20	0.0093	mg/L			09/13/23 10:56	1
Trichloroethene	ND		0.20	0.014	mg/L			09/13/23 10:56	1
Vinyl chloride	ND		0.20	0.0081	mg/L			09/13/23 10:56	1

Surrogate	LB %Recovery	LB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	79		49 - 118		09/13/23 10:56	1
Dibromofluoromethane (Surr)	87		60 - 132		09/13/23 10:56	1
1,2-Dichloroethane-d4 (Surr)	91		52 - 151		09/13/23 10:56	1
Toluene-d8 (Surr)	99		53 - 124		09/13/23 10:56	1

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

Lab Sample ID: MB 180-446439/1-A

Matrix: Solid

Analysis Batch: 446450

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 446439

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.050	0.0045	mg/L		09/13/23 23:15	09/14/23 08:44	1
2,4-Dinitrotoluene	ND		0.050	0.0079	mg/L		09/13/23 23:15	09/14/23 08:44	1
Hexachlorobenzene	ND		0.050	0.0055	mg/L		09/13/23 23:15	09/14/23 08:44	1
Hexachlorobutadiene	ND		0.050	0.0084	mg/L		09/13/23 23:15	09/14/23 08:44	1
Hexachloroethane	ND		0.050	0.0040	mg/L		09/13/23 23:15	09/14/23 08:44	1
2-Methylphenol	ND		0.050	0.0040	mg/L		09/13/23 23:15	09/14/23 08:44	1
Methylphenol, 3 & 4	ND		0.050	0.0079	mg/L		09/13/23 23:15	09/14/23 08:44	1
Nitrobenzene	ND		0.050	0.012	mg/L		09/13/23 23:15	09/14/23 08:44	1
Pentachlorophenol	ND		0.25	0.0075	mg/L		09/13/23 23:15	09/14/23 08:44	1
Pyridine	ND		0.10	0.0082	mg/L		09/13/23 23:15	09/14/23 08:44	1
2,4,5-Trichlorophenol	ND		0.050	0.0079	mg/L		09/13/23 23:15	09/14/23 08:44	1
2,4,6-Trichlorophenol	ND		0.050	0.0095	mg/L		09/13/23 23:15	09/14/23 08:44	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	66		55 - 105	09/13/23 23:15	09/14/23 08:44	1
2-Fluorophenol (Surr)	74		55 - 105	09/13/23 23:15	09/14/23 08:44	1
Nitrobenzene-d5 (Surr)	76		55 - 109	09/13/23 23:15	09/14/23 08:44	1
Phenol-d5 (Surr)	71		48 - 105	09/13/23 23:15	09/14/23 08:44	1
Terphenyl-d14 (Surr)	70		37 - 107	09/13/23 23:15	09/14/23 08:44	1
2,4,6-Tribromophenol (Surr)	59		32 - 115	09/13/23 23:15	09/14/23 08:44	1

Lab Sample ID: LCS 180-446439/2-A

Matrix: Solid

Analysis Batch: 446450

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 446439

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dichlorobenzene	0.250	0.170		mg/L		68	61 - 100
2,4-Dinitrotoluene	0.250	0.141		mg/L		56	43 - 100

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QC Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-162182-1

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

Lab Sample ID: LCS 180-446439/2-A

Matrix: Solid

Analysis Batch: 446450

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 446439

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Hexachlorobenzene	0.250	0.157		mg/L		63	34 - 100
Hexachlorobutadiene	0.250	0.184		mg/L		74	52 - 110
Hexachloroethane	0.250	0.181		mg/L		73	56 - 100
2-Methylphenol	0.250	0.178		mg/L		71	56 - 100
Methylphenol, 3 & 4	0.500	0.380		mg/L		76	59 - 100
Nitrobenzene	0.250	0.205		mg/L		82	60 - 100
Pentachlorophenol	0.250	0.142	J	mg/L		57	14 - 112
Pyridine	0.250	0.212		mg/L		85	54 - 107
2,4,5-Trichlorophenol	0.250	0.186		mg/L		75	53 - 104
2,4,6-Trichlorophenol	0.250	0.169		mg/L		67	53 - 103

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	71		55 - 105
2-Fluorophenol (Surr)	78		55 - 105
Nitrobenzene-d5 (Surr)	84		55 - 109
Phenol-d5 (Surr)	79		48 - 105
Terphenyl-d14 (Surr)	79		37 - 107
2,4,6-Tribromophenol (Surr)	68		32 - 115

Lab Sample ID: LCSD 180-446439/3-A

Matrix: Solid

Analysis Batch: 446450

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 446439

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dichlorobenzene	0.250	0.175		mg/L		70	61 - 100	2	15
2,4-Dinitrotoluene	0.250	0.131		mg/L		52	43 - 100	7	15
Hexachlorobenzene	0.250	0.156		mg/L		62	34 - 100	1	15
Hexachlorobutadiene	0.250	0.180		mg/L		72	52 - 110	2	15
Hexachloroethane	0.250	0.180		mg/L		72	56 - 100	1	15
2-Methylphenol	0.250	0.178		mg/L		71	56 - 100	0	15
Methylphenol, 3 & 4	0.500	0.377		mg/L		75	59 - 100	1	15
Nitrobenzene	0.250	0.198		mg/L		79	60 - 100	3	15
Pentachlorophenol	0.250	0.134	J	mg/L		54	14 - 112	6	18
Pyridine	0.250	0.204		mg/L		82	54 - 107	4	15
2,4,5-Trichlorophenol	0.250	0.175		mg/L		70	53 - 104	6	15
2,4,6-Trichlorophenol	0.250	0.163		mg/L		65	53 - 103	4	15

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorobiphenyl	70		55 - 105
2-Fluorophenol (Surr)	78		55 - 105
Nitrobenzene-d5 (Surr)	81		55 - 109
Phenol-d5 (Surr)	77		48 - 105
Terphenyl-d14 (Surr)	76		37 - 107
2,4,6-Tribromophenol (Surr)	64		32 - 115

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QC Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-162182-1

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

Lab Sample ID: LB 180-446234/1-D

Matrix: Solid

Analysis Batch: 446450

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 446439

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.050	0.0045	mg/L		09/13/23 23:15	09/14/23 09:48	1
2,4-Dinitrotoluene	ND		0.050	0.0079	mg/L		09/13/23 23:15	09/14/23 09:48	1
Hexachlorobenzene	ND		0.050	0.0055	mg/L		09/13/23 23:15	09/14/23 09:48	1
Hexachlorobutadiene	ND		0.050	0.0084	mg/L		09/13/23 23:15	09/14/23 09:48	1
Hexachloroethane	ND		0.050	0.0040	mg/L		09/13/23 23:15	09/14/23 09:48	1
2-Methylphenol	ND		0.050	0.0040	mg/L		09/13/23 23:15	09/14/23 09:48	1
Methylphenol, 3 & 4	ND		0.050	0.0079	mg/L		09/13/23 23:15	09/14/23 09:48	1
Nitrobenzene	ND		0.050	0.012	mg/L		09/13/23 23:15	09/14/23 09:48	1
Pentachlorophenol	ND		0.25	0.0075	mg/L		09/13/23 23:15	09/14/23 09:48	1
Pyridine	ND		0.10	0.0082	mg/L		09/13/23 23:15	09/14/23 09:48	1
2,4,5-Trichlorophenol	ND		0.050	0.0079	mg/L		09/13/23 23:15	09/14/23 09:48	1
2,4,6-Trichlorophenol	ND		0.050	0.0095	mg/L		09/13/23 23:15	09/14/23 09:48	1

Surrogate	LB %Recovery	LB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	69		55 - 105	09/13/23 23:15	09/14/23 09:48	1
2-Fluorophenol (Surr)	78		55 - 105	09/13/23 23:15	09/14/23 09:48	1
Nitrobenzene-d5 (Surr)	80		55 - 109	09/13/23 23:15	09/14/23 09:48	1
Phenol-d5 (Surr)	75		48 - 105	09/13/23 23:15	09/14/23 09:48	1
Terphenyl-d14 (Surr)	75		37 - 107	09/13/23 23:15	09/14/23 09:48	1
2,4,6-Tribromophenol (Surr)	62		32 - 115	09/13/23 23:15	09/14/23 09:48	1

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

Lab Sample ID: MB 180-446403/1-C

Matrix: Solid

Analysis Batch: 446497

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 446403

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.4	ug/Kg		09/13/23 14:00	09/14/23 19:00	1
PCB-1221	ND		17	5.9	ug/Kg		09/13/23 14:00	09/14/23 19:00	1
PCB-1232	ND		17	4.1	ug/Kg		09/13/23 14:00	09/14/23 19:00	1
PCB-1242	ND		17	2.4	ug/Kg		09/13/23 14:00	09/14/23 19:00	1
PCB-1248	ND		17	4.0	ug/Kg		09/13/23 14:00	09/14/23 19:00	1
PCB-1254	ND		17	5.0	ug/Kg		09/13/23 14:00	09/14/23 19:00	1
PCB-1260	ND		17	4.7	ug/Kg		09/13/23 14:00	09/14/23 19:00	1
PCB-1262	ND		17	5.9	ug/Kg		09/13/23 14:00	09/14/23 19:00	1
PCB-1268	ND		17	2.2	ug/Kg		09/13/23 14:00	09/14/23 19:00	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	121		63 - 138	09/13/23 14:00	09/14/23 19:00	1
DCB Decachlorobiphenyl (Surr)	125		63 - 138	09/13/23 14:00	09/14/23 19:00	1
Tetrachloro-m-xylene (Surr)	95		55 - 135	09/13/23 14:00	09/14/23 19:00	1
Tetrachloro-m-xylene (Surr)	97		55 - 135	09/13/23 14:00	09/14/23 19:00	1

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QC Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-162182-1

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

Lab Sample ID: LCS 180-446403/2-C
Matrix: Solid
Analysis Batch: 446497

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 446403

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	1330	1140		ug/Kg		86	43 - 136
PCB-1260	1330	1000		ug/Kg		75	55 - 128

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	109		63 - 138
DCB Decachlorobiphenyl (Surr)	109		63 - 138
Tetrachloro-m-xylene (Surr)	93		55 - 135
Tetrachloro-m-xylene (Surr)	94		55 - 135

Method: EPA 6010C - Metals (ICP)

Lab Sample ID: MB 180-446346/1-A
Matrix: Solid
Analysis Batch: 448054

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 446346

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND	^1+	0.050	0.0083	mg/L		09/13/23 09:05	09/29/23 17:30	1
Barium	ND		0.20	0.0063	mg/L		09/13/23 09:05	09/29/23 17:30	1
Cadmium	ND	^+	0.050	0.00030	mg/L		09/13/23 09:05	09/29/23 17:30	1
Chromium	ND		0.050	0.0016	mg/L		09/13/23 09:05	09/29/23 17:30	1
Lead	ND		0.050	0.0044	mg/L		09/13/23 09:05	09/29/23 17:30	1
Selenium	ND	^+	0.050	0.0037	mg/L		09/13/23 09:05	09/29/23 17:30	1
Silver	ND		0.050	0.00091	mg/L		09/13/23 09:05	09/29/23 17:30	1

Lab Sample ID: LCS 180-446346/2-A
Matrix: Solid
Analysis Batch: 448054

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 446346

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	1.00	1.11	^1+	mg/L		111	80 - 120
Barium	1.00	1.02		mg/L		102	80 - 120
Cadmium	0.500	0.573	^+	mg/L		115	80 - 120
Chromium	0.500	0.509		mg/L		102	80 - 120
Lead	0.500	0.511		mg/L		102	80 - 120
Selenium	1.00	1.17	^+	mg/L		117	80 - 120
Silver	0.250	0.238		mg/L		95	80 - 120

Lab Sample ID: LB 180-446234/1-C
Matrix: Solid
Analysis Batch: 448054

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 446346

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND	^1+	0.50	0.083	mg/L		09/13/23 09:05	09/29/23 17:40	1
Barium	ND		2.0	0.063	mg/L		09/13/23 09:05	09/29/23 17:40	1
Cadmium	ND	^+	0.50	0.0030	mg/L		09/13/23 09:05	09/29/23 17:40	1
Chromium	ND		0.50	0.016	mg/L		09/13/23 09:05	09/29/23 17:40	1
Lead	ND		0.50	0.044	mg/L		09/13/23 09:05	09/29/23 17:40	1
Selenium	ND	^+	0.50	0.037	mg/L		09/13/23 09:05	09/29/23 17:40	1
Silver	ND		0.50	0.0091	mg/L		09/13/23 09:05	09/29/23 17:40	1

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QC Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-162182-1

Method: EPA 6010C - Metals (ICP)

Lab Sample ID: 180-162182-1 MS

Matrix: Solid

Analysis Batch: 448054

Client Sample ID: SSHS-ISMP-OGCOMP

Prep Type: TCLP

Prep Batch: 446346

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	ND	^1+	5.00	4.32	^1+	mg/L		86	75 - 125
Barium	0.59	J	50.0	39.9		mg/L		79	75 - 125
Cadmium	ND	^+	1.00	0.922	^+	mg/L		92	75 - 125
Chromium	ND		5.00	4.03		mg/L		81	75 - 125
Lead	ND		5.00	4.09		mg/L		82	75 - 125
Selenium	0.052	J ^+	1.00	0.965	^+	mg/L		91	75 - 125
Silver	ND		1.00	0.789		mg/L		79	75 - 125

Lab Sample ID: 180-162182-1 MSD

Matrix: Solid

Analysis Batch: 448054

Client Sample ID: SSHS-ISMP-OGCOMP

Prep Type: TCLP

Prep Batch: 446346

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	ND	^1+	5.00	4.34	^1+	mg/L		87	75 - 125	0	20
Barium	0.59	J	50.0	41.2		mg/L		81	75 - 125	3	20
Cadmium	ND	^+	1.00	0.922	^+	mg/L		92	75 - 125	0	20
Chromium	ND		5.00	4.11		mg/L		82	75 - 125	2	20
Lead	ND		5.00	4.12		mg/L		82	75 - 125	1	20
Selenium	0.052	J ^+	1.00	0.964	^+	mg/L		91	75 - 125	0	20
Silver	ND		1.00	0.819		mg/L		82	75 - 125	4	20

Method: EPA 7470A - Mercury (CVAA)

Lab Sample ID: MB 180-446327/1-A

Matrix: Solid

Analysis Batch: 446372

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 446327

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		09/13/23 07:41	09/13/23 09:56	1

Lab Sample ID: LCS 180-446327/2-A

Matrix: Solid

Analysis Batch: 446372

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 446327

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00250	0.00233		mg/L		93	80 - 120

Lab Sample ID: LB 180-446234/1-B

Matrix: Solid

Analysis Batch: 446372

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 446327

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		09/13/23 07:41	09/13/23 09:58	1

Lab Sample ID: 180-162182-1 MS

Matrix: Solid

Analysis Batch: 446372

Client Sample ID: SSHS-ISMP-OGCOMP

Prep Type: TCLP

Prep Batch: 446327

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	ND	F1	0.00500	0.00369	F1	mg/L		74	75 - 125

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QC Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-162182-1

Method: EPA 7470A - Mercury (CVAA)

Lab Sample ID: 180-162182-1 MSD
Matrix: Solid
Analysis Batch: 446372

Client Sample ID: SSHS-ISMP-OGCOMP
Prep Type: TCLP
Prep Batch: 446327

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND	F1	0.00500	0.00367	F1	mg/L		73	75 - 125	1	20

Method: EPA 9014 - Cyanide

Lab Sample ID: MB 180-446973/4-A
Matrix: Solid
Analysis Batch: 447052

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 446973

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.50	0.38	mg/Kg		09/19/23 17:00	09/19/23 18:59	1

Lab Sample ID: HLCS 180-446973/2-A
Matrix: Solid
Analysis Batch: 447052

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 446973

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.250	0.251		mg/Kg		100	90 - 110

Lab Sample ID: LCS 180-446973/3-A
Matrix: Solid
Analysis Batch: 447052

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 446973

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	120	115		mg/Kg		96	17 - 163

Lab Sample ID: LLCS 180-446973/1-A
Matrix: Solid
Analysis Batch: 447052

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 446973

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.0500	0.0525		mg/Kg		105	90 - 110

Lab Sample ID: 180-162182-1 MS
Matrix: Solid
Analysis Batch: 447052

Client Sample ID: SSHS-ISMP-OGCOMP
Prep Type: Total/NA
Prep Batch: 446973

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.77		4.21	4.50		mg/Kg	✱	89	75 - 125

Lab Sample ID: 180-162182-1 MSD
Matrix: Solid
Analysis Batch: 447052

Client Sample ID: SSHS-ISMP-OGCOMP
Prep Type: Total/NA
Prep Batch: 446973

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Total	0.77		4.21	4.51		mg/Kg	✱	89	75 - 125	0	20

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QC Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-162182-1

Method: EPA 9034 - Sulfide, Acid soluble and Insoluble (Titrimetric)

Lab Sample ID: MB 180-446527/2-A

Matrix: Solid

Analysis Batch: 446559

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 446527

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	ND		30	10	mg/Kg		09/14/23 10:38	09/14/23 14:18	1

Lab Sample ID: LCS 180-446527/1-A

Matrix: Solid

Analysis Batch: 446559

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 446527

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	164	152		mg/Kg		93	85 - 115

Method: EPA 9045D - pH

Lab Sample ID: LCS 180-446874/1

Matrix: Solid

Analysis Batch: 446874

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
pH	7.00	7.0		SU		100	99 - 101

QC Association Summary

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-162182-1

GC/MS VOA

Leach Batch: 446244

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162182-1	SSHS-ISMP-OGCOMP	TCLP	Solid	EPA 1311	
LB 180-446244/1-A	Method Blank	TCLP	Solid	EPA 1311	

Analysis Batch: 446325

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162182-1	SSHS-ISMP-OGCOMP	TCLP	Solid	EPA 8260C	446244
LB 180-446244/1-A	Method Blank	TCLP	Solid	EPA 8260C	446244
LCS 180-446325/3	Lab Control Sample	Total/NA	Solid	EPA 8260C	
LCSD 180-446325/4	Lab Control Sample Dup	Total/NA	Solid	EPA 8260C	

GC/MS Semi VOA

Leach Batch: 446234

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162182-1	SSHS-ISMP-OGCOMP	TCLP	Solid	EPA 1311	
LB 180-446234/1-D	Method Blank	TCLP	Solid	EPA 1311	

Prep Batch: 446439

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162182-1	SSHS-ISMP-OGCOMP	TCLP	Solid	3510C	446234
LB 180-446234/1-D	Method Blank	TCLP	Solid	3510C	446234
MB 180-446439/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 180-446439/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 180-446439/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	

Analysis Batch: 446450

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162182-1	SSHS-ISMP-OGCOMP	TCLP	Solid	EPA 8270D	446439
LB 180-446234/1-D	Method Blank	TCLP	Solid	EPA 8270D	446439
MB 180-446439/1-A	Method Blank	Total/NA	Solid	EPA 8270D	446439
LCS 180-446439/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270D	446439
LCSD 180-446439/3-A	Lab Control Sample Dup	Total/NA	Solid	EPA 8270D	446439

GC Semi VOA

Prep Batch: 446403

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162182-1	SSHS-ISMP-OGCOMP	Total/NA	Solid	3541	
MB 180-446403/1-C	Method Blank	Total/NA	Solid	3541	
LCS 180-446403/2-C	Lab Control Sample	Total/NA	Solid	3541	

Cleanup Batch: 446453

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162182-1	SSHS-ISMP-OGCOMP	Total/NA	Solid	3665A	446403
MB 180-446403/1-C	Method Blank	Total/NA	Solid	3665A	446403
LCS 180-446403/2-C	Lab Control Sample	Total/NA	Solid	3665A	446403

Cleanup Batch: 446454

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162182-1	SSHS-ISMP-OGCOMP	Total/NA	Solid	3660B	446453
MB 180-446403/1-C	Method Blank	Total/NA	Solid	3660B	446453
LCS 180-446403/2-C	Lab Control Sample	Total/NA	Solid	3660B	446453

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QC Association Summary

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-162182-1

GC Semi VOA

Analysis Batch: 446497

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 180-446403/1-C	Method Blank	Total/NA	Solid	EPA 8082A	446454
LCS 180-446403/2-C	Lab Control Sample	Total/NA	Solid	EPA 8082A	446454

Analysis Batch: 446612

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162182-1	SSHS-ISMP-OGCOMP	Total/NA	Solid	EPA 8082A	446454

Metals

Leach Batch: 446234

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162182-1	SSHS-ISMP-OGCOMP	TCLP	Solid	EPA 1311	
LB 180-446234/1-B	Method Blank	TCLP	Solid	EPA 1311	
LB 180-446234/1-C	Method Blank	TCLP	Solid	EPA 1311	
180-162182-1 MS	SSHS-ISMP-OGCOMP	TCLP	Solid	EPA 1311	
180-162182-1 MS	SSHS-ISMP-OGCOMP	TCLP	Solid	EPA 1311	
180-162182-1 MSD	SSHS-ISMP-OGCOMP	TCLP	Solid	EPA 1311	
180-162182-1 MSD	SSHS-ISMP-OGCOMP	TCLP	Solid	EPA 1311	

Prep Batch: 446327

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162182-1	SSHS-ISMP-OGCOMP	TCLP	Solid	7470A	446234
LB 180-446234/1-B	Method Blank	TCLP	Solid	7470A	446234
MB 180-446327/1-A	Method Blank	Total/NA	Solid	7470A	
LCS 180-446327/2-A	Lab Control Sample	Total/NA	Solid	7470A	
180-162182-1 MS	SSHS-ISMP-OGCOMP	TCLP	Solid	7470A	446234
180-162182-1 MSD	SSHS-ISMP-OGCOMP	TCLP	Solid	7470A	446234

Prep Batch: 446346

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162182-1	SSHS-ISMP-OGCOMP	TCLP	Solid	3010A	446234
LB 180-446234/1-C	Method Blank	TCLP	Solid	3010A	446234
MB 180-446346/1-A	Method Blank	Total/NA	Solid	3010A	
LCS 180-446346/2-A	Lab Control Sample	Total/NA	Solid	3010A	
180-162182-1 MS	SSHS-ISMP-OGCOMP	TCLP	Solid	3010A	446234
180-162182-1 MSD	SSHS-ISMP-OGCOMP	TCLP	Solid	3010A	446234

Analysis Batch: 446372

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162182-1	SSHS-ISMP-OGCOMP	TCLP	Solid	EPA 7470A	446327
LB 180-446234/1-B	Method Blank	TCLP	Solid	EPA 7470A	446327
MB 180-446327/1-A	Method Blank	Total/NA	Solid	EPA 7470A	446327
LCS 180-446327/2-A	Lab Control Sample	Total/NA	Solid	EPA 7470A	446327
180-162182-1 MS	SSHS-ISMP-OGCOMP	TCLP	Solid	EPA 7470A	446327
180-162182-1 MSD	SSHS-ISMP-OGCOMP	TCLP	Solid	EPA 7470A	446327

Analysis Batch: 448054

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162182-1	SSHS-ISMP-OGCOMP	TCLP	Solid	EPA 6010C	446346
LB 180-446234/1-C	Method Blank	TCLP	Solid	EPA 6010C	446346
MB 180-446346/1-A	Method Blank	Total/NA	Solid	EPA 6010C	446346

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QC Association Summary

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-162182-1

Metals (Continued)

Analysis Batch: 448054 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 180-446346/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	446346
180-162182-1 MS	SSHS-ISMP-OGCOMP	TCLP	Solid	EPA 6010C	446346
180-162182-1 MSD	SSHS-ISMP-OGCOMP	TCLP	Solid	EPA 6010C	446346

General Chemistry

Analysis Batch: 446261

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162182-1	SSHS-ISMP-OGCOMP	Total/NA	Solid	2540G	

Prep Batch: 446527

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162182-1	SSHS-ISMP-OGCOMP	Total/NA	Solid	9030B	
MB 180-446527/2-A	Method Blank	Total/NA	Solid	9030B	
LCS 180-446527/1-A	Lab Control Sample	Total/NA	Solid	9030B	

Analysis Batch: 446559

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162182-1	SSHS-ISMP-OGCOMP	Total/NA	Solid	EPA 9034	446527
MB 180-446527/2-A	Method Blank	Total/NA	Solid	EPA 9034	446527
LCS 180-446527/1-A	Lab Control Sample	Total/NA	Solid	EPA 9034	446527

Analysis Batch: 446874

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162182-1	SSHS-ISMP-OGCOMP	Total/NA	Solid	EPA 9045D	
LCS 180-446874/1	Lab Control Sample	Total/NA	Solid	EPA 9045D	

Prep Batch: 446973

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162182-1	SSHS-ISMP-OGCOMP	Total/NA	Solid	9010C	
MB 180-446973/4-A	Method Blank	Total/NA	Solid	9010C	
HLCS 180-446973/2-A	Lab Control Sample	Total/NA	Solid	9010C	
LCS 180-446973/3-A	Lab Control Sample	Total/NA	Solid	9010C	
LLCS 180-446973/1-A	Lab Control Sample	Total/NA	Solid	9010C	
180-162182-1 MS	SSHS-ISMP-OGCOMP	Total/NA	Solid	9010C	
180-162182-1 MSD	SSHS-ISMP-OGCOMP	Total/NA	Solid	9010C	

Analysis Batch: 447052

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162182-1	SSHS-ISMP-OGCOMP	Total/NA	Solid	EPA 9014	446973
MB 180-446973/4-A	Method Blank	Total/NA	Solid	EPA 9014	446973
HLCS 180-446973/2-A	Lab Control Sample	Total/NA	Solid	EPA 9014	446973
LCS 180-446973/3-A	Lab Control Sample	Total/NA	Solid	EPA 9014	446973
LLCS 180-446973/1-A	Lab Control Sample	Total/NA	Solid	EPA 9014	446973
180-162182-1 MS	SSHS-ISMP-OGCOMP	Total/NA	Solid	EPA 9014	446973
180-162182-1 MSD	SSHS-ISMP-OGCOMP	Total/NA	Solid	EPA 9014	446973

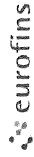
Analysis Batch: 932464

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162182-1	SSHS-ISMP-OGCOMP	Total/NA	Solid	1030	

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Chain of Custody Record

Waste Characterization



Client Information		Sampler		Lab PM.	Carrier Tracking No(s)		COC No										
Mr. Aron Krasnopoler		Z MILLER		Dunlap, David A			180-45857-9656.1										
Phone: 708-248-3888		E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1													
Company		Job #															
Geosyntec Consultants, Inc.																	
Address:		Due Date Requested:															
10211 Wincopin Circle 4th Floor		TAT Requested (days):															
City		5-day															
State, Zip		PO #															
MD, 21044		MN06321															
Phone: 410-381-4333		WO #															
Email: akrasnopoler@geosyntec.com		Project #															
akrasnopoler@geosyntec.com		18013464															
Project Name:		SSOW#															
Former Sperry Remington Site-																	
Site:																	
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/soil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C/470A - TCLP RCRA Metals	6010C/470A - TCLP Semivolatiles	6010C/470A - TCLP RCRA Metals	6034/9030B - Sulfide	6045D - pH	1030 - Ignitability	6082A - PCBs	9014 - Cyanide	Total Number of containers	Special Instructions/Note: (m ³)
SSHIS-ISMP-OGCOMP	9/11/23	1420	C	S		X	X	X	X	X	X	X	X	X	X	5	
Barcode: 180-162182 Chain of Custody																	
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological																	
Deliverable Requested: I, II, III, IV, Other (specify)																	
Empty Kit Relinquished by: _____ Date: _____																	
Relinquished by: <i>Muanda</i> Date/Time: 9/11/23 1100 Company: _____																	
Relinquished by: _____ Date/Time: _____ Company: _____																	
Relinquished by: _____ Date/Time: _____ Company: _____																	
Custody Seals Intact: _____ Custody Seal No.: _____																	
Cooler Temperature(s) °C and Other Remarks:																	

Eurofins TestAmerica, Pittsburgh

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Waste Characterization

eurofins

Client Information		Sampler: Z MILLER		Lab PM: Dunlap, David A		Carrier Tracking No(s):		COC No: 180-45857-9656.1	
Client Contact: Mr. Aron Krasnopoler		Phone: 708-248-3888		E-Mail: david.dunlap@testamericainc.com		Page 1 of 1		Job #: 180-162180	
Company: Geosyntec Consultants, Inc.		Address: 10211 Wincopin Circle 4th Floor		City: Columbia		State: MD		Zip: 21044	
Phone: 410-381-4333		PO #: MN08321		WO #:		Project #: 18013464		SSON#:	
Email: akrasnopoler@geosyntec.com		Project Name: Former Sperry Remington Site		Site:		Due Date Requested: 5-day		TAT Requested (days):	
Sample Identification		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, S=solid, O=soil, T=tissue, A=air)	
SSH5-ISMP-OGCOMP		9/11/23		1420		C		S	
Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		8010C/7470A TCLP RCRA Metals		8270D TCLP Samvatilities		9034/9030B Sulfide	
9045D pH		1030 Ignitability		6082A PCBs		9014 Cyanide		Total Number of containers	
X		X		X		X		5	
Special Instructions/Note: (m ³)									
Preservation Codes:		A HCL		M Hexane		N None		O AsNaO2	
B NaOH		C Zn Acetate		D Nitric Acid		E NaHSO4		F MeOH	
G Amchlor		H Ascorbic Acid		I Ice		J DI Water		K EDTA	
L EDA		Other		U Acetone		V MCAA		W pH 4-5	
Z other (specify)									
Possible Hazard Identification		Non-Hazard		Flammable		Skin Irritant		Poison B	
Deliverable Requested: I, II, III, IV Other (specify)		Unknown		Radiological		Empty Kit Relinquished by: M. Krasnopoler		Date/Time: 9/11/23/1400	
Relinquished by:		Date/Time:		Company:		Relinquished by:		Date/Time:	
Relinquished by:		Date/Time:		Company:		Relinquished by:		Date/Time:	
Custody Seals Intact		Custody Seal No.		Relinquished by:		Date/Time:		Company:	
A Yes A No									
Cooler Temperature(s) °C and Other Remarks:									
Method of Shipment: FedEx		Received by: B. Krasnopoler		Date/Time: 9/12/23 2:55		Company:			
Received by:		Date/Time:		Company:		Received by:		Date/Time:	
Received by:		Date/Time:		Company:		Received by:		Date/Time:	
Sample Disposal (A fee may be assessed if samples are retained longer than 5-Day RUSH)		Return To Client		Disposal By Lab		Archive For			
Special Instructions/QC Requirements:									
Barcode: 180-162182 Chain of Custody									

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-162182-1

Login Number: 162182

List Number: 1

Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-162182-1

Login Number: 162182

List Number: 2

Creator: Meyers, Gary

List Source: Eurofins Edison

List Creation: 09/13/23 05:31 PM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

Generated 10/26/2023 11:03:01 AM

JOB DESCRIPTION

Former Sperry Remington-Characterization

JOB NUMBER

180-164020-1

Eurofins Pittsburgh

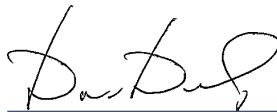
Job Notes

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PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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Case Narrative

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-164020-1

Job ID: 180-164020-1

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative 180-164020-1

Receipt

The samples were received on 10/18/2023 at the Eurofins Pittsburgh, PA and Edison, NJ laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 1.2° C and 3.4° C.

GC/MS VOA

Method 8260D: The continuing calibration verification (CCV) analyzed in batch 180-449698 was below criteria for the following analyte: Vinyl chloride. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260D: The RPD between the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 180-449698 was above the control limits for the following analyte: 2-Butanone. The recoveries were within the control limits.

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

GC/MS Semi VOA

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

GC Semi VOA

Method 8082A: The RPD between the matrix spike/matrix spike duplicate (MS/MSD) of sample EHS-ISMP-WC-D7 (180-164020-1) was above the control limits for aroclor 1016. The recoveries were within the control limits.

Method 8082A: The matrix spike of sample EHS-ISMP-WC-D7 (180-164020-1) had the recoveries of surrogate tetrachloro-m-xylene below the control limits on both columns. The recoveries of decachlorobiphenyl were within the control limits.

Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-449764 (CCV 180-449764/1) was below criteria for aroclor 1254 on column RTX-CLP2. Associated sample results for aroclor 1254 were reported from column RTX-CLP1 which met criteria.

Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-449764 (CCVIS 180-449764/26) was below criteria for aroclor 1016 on column RTX-CLP2 and below criteria for aroclor 1260 for 2 peaks on column RTX-CLP2. Associated results were reported from column RTX-CLP1 which met criteria.

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

Metals

Method 6010D: The initial low level continuing calibration verification (ICVL) associated with batch 180-450023 recovered above the control limits for arsenic and silver. As the samples associated with this ICVL did not have arsenic or silver detected or had them detected below the reporting limit, the results were reported.

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

General Chemistry

Method 9014: The low level laboratory control sample (LLCS) for preparation batch 180-450213, LLCS 180-450213/1-A, recovered slightly above the control limits (111% recovery with limits of 90-110%) for cyanide. As the LLCS was biased high and cyanide was not detected in the associated samples, the results were reported.

Method 9014: The laboratory control sample (LCS) was above the calibrated range of instrument due to the analyst not diluting it by a factor of 10x. However the LCS does meet the control limits. As cyanide was not detected in the associated samples, the results were reported.

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

Definitions/Glossary

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-164020-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

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

GC Semi VOA

Qualifier	Qualifier Description
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.

Metals

Qualifier	Qualifier Description
^1+	Initial Calibration Verification (ICV) is outside acceptance limits, high biased.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control

Eurofins Pittsburgh

Definitions/Glossary

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-164020-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-164020-1

Laboratory: Eurofins Pittsburgh

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	04-01-24
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Moisture
2540G		Solid	Percent Solids

Laboratory: Eurofins Edison

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-01-24

Sample Summary

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-164020-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-164020-1	EHS-ISMP-WC-D7	Solid	10/17/23 13:30	10/18/23 09:38
180-164020-2	EHS-ISMP-WC-D8	Solid	10/17/23 13:35	10/18/23 09:38
180-164020-3	EHS-ISMP-WC-D9	Solid	10/17/23 13:40	10/18/23 09:38
180-164020-4	EHS-ISMP-WC-D10	Solid	10/17/23 13:45	10/18/23 09:38
180-164020-5	EHS-ISMP-WC-D11	Solid	10/17/23 13:50	10/18/23 09:38
180-164020-6	EHS-ISMP-WC-D12	Solid	10/17/23 13:55	10/18/23 09:38
180-164020-7	EHS-ISMP-WC-D13	Solid	10/17/23 14:00	10/18/23 09:38

Method Summary

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-164020-1

Method	Method Description	Protocol	Laboratory
EPA 8260D	Volatile Organic Compounds by GC/MS	SW846	EET PIT
EPA 8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET PIT
EPA 6010D	Metals (ICP)	SW846	EET PIT
EPA 7470A	Mercury (CVAA)	SW846	EET PIT
1030	Ignitability, Solids	SW846	EET EDI
2540G	SM 2540G	SM22	EET PIT
EPA 9014	Cyanide	SW846	EET PIT
EPA 9034	Sulfide, Acid soluble and Insoluble (Titrimetric)	SW846	EET PIT
EPA 9045D	pH	SW846	EET PIT
3010A	Preparation, Total Metals	SW846	EET PIT
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET PIT
3541	Automated Soxhlet Extraction	SW846	EET PIT
3660B	Sulfur Cleanup	SW846	EET PIT
3665A	Sulfuric Acid/Permanganate Cleanup	SW846	EET PIT
5030C	Purge and Trap	SW846	EET PIT
7470A	Preparation, Mercury	SW846	EET PIT
9010C	Cyanide, Distillation	SW846	EET PIT
9030B	Sulfide, Distillation (Acid Soluble and Insoluble)	SW846	EET PIT
EPA 1311	TCLP Extraction	SW846	EET PIT

Protocol References:

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition

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

Laboratory References:

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

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

Lab Chronicle

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-164020-1

Client Sample ID: EHS-ISMP-WC-D7

Lab Sample ID: 180-164020-1

Date Collected: 10/17/23 13:30

Matrix: Solid

Date Received: 10/18/23 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	EPA 1311			25.31 g	500 mL	449562	10/18/23 11:32	MTM	EET PIT
TCLP	Analysis	EPA 8260D		1	0.25 mL	5 mL	449698	10/20/23 12:06	SGR	EET PIT
		Instrument ID: CHHP10								
TCLP	Leach	EPA 1311			100.72 g	2000 mL	449582	10/18/23 13:25	MTM	EET PIT
TCLP	Prep	3510C			200 mL	10.0 mL	449744	10/20/23 02:23	CBY	EET PIT
TCLP	Analysis	EPA 8270E		1	1 mL	1 mL	449775	10/20/23 15:40	VVP	EET PIT
		Instrument ID: CHMSD7								
TCLP	Leach	EPA 1311			100.72 g	2000 mL	449582	10/18/23 13:25	MTM	EET PIT
TCLP	Prep	3010A			5 mL	50 mL	449724	10/20/23 08:34	SJM	EET PIT
TCLP	Analysis	EPA 6010D		1			450023	10/23/23 15:57	AAS	EET PIT
		Instrument ID: Q								
TCLP	Leach	EPA 1311			100.72 g	2000 mL	449582	10/18/23 13:25	MTM	EET PIT
TCLP	Prep	7470A			25 mL	25 mL	449763	10/20/23 08:00	MTW	EET PIT
TCLP	Analysis	EPA 7470A		1			449816	10/20/23 14:03	MTW	EET PIT
		Instrument ID: HGZ								
Total/NA	Analysis	1030		1			939993	10/23/23 11:34	YAH	EET EDI
		Instrument ID: NOEQUIP								
Total/NA	Analysis	2540G		1			449787	10/20/23 09:21	C1F	EET PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	EPA 9045D		1	20.31 g	20 mL	450093	10/24/23 14:19	ELS	EET PIT
		Instrument ID: NOEQUIP								

Client Sample ID: EHS-ISMP-WC-D7

Lab Sample ID: 180-164020-1

Date Collected: 10/17/23 13:30

Matrix: Solid

Date Received: 10/18/23 09:38

Percent Solids: 90.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.4 g	20.0 mL	449713	10/19/23 14:41	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	449753	10/20/23 04:45	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	449754	10/20/23 04:46	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	449764	10/20/23 16:39	JMO	EET PIT
		Instrument ID: CHGC20								
Total/NA	Prep	9010C			0.34 g	10 mL	450213	10/25/23 15:00	CMR	EET PIT
Total/NA	Analysis	EPA 9014		1			450233	10/25/23 16:41	CMR	EET PIT
		Instrument ID: SHAMU								
Total/NA	Prep	9030B			5.03 g	50 mL	450100	10/24/23 17:30	CMR	EET PIT
Total/NA	Analysis	EPA 9034		1			450108	10/24/23 19:14	CMR	EET PIT
		Instrument ID: NOEQUIP								

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Lab Chronicle

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-164020-1

Client Sample ID: EHS-ISMP-WC-D8

Lab Sample ID: 180-164020-2

Date Collected: 10/17/23 13:35

Matrix: Solid

Date Received: 10/18/23 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	EPA 1311			25.22 g	500 mL	449562	10/18/23 11:32	MTM	EET PIT
TCLP	Analysis	EPA 8260D		1	0.25 mL	5 mL	449698	10/20/23 12:36	SGR	EET PIT
		Instrument ID: CHHP10								
TCLP	Leach	EPA 1311			100.15 g	2000 mL	449582	10/18/23 13:25	MTM	EET PIT
TCLP	Prep	3510C			200 mL	10.0 mL	449744	10/20/23 02:23	CBY	EET PIT
TCLP	Analysis	EPA 8270E		1	1 mL	1 mL	449775	10/20/23 16:01	VVP	EET PIT
		Instrument ID: CHMSD7								
TCLP	Leach	EPA 1311			100.15 g	2000 mL	449582	10/18/23 13:25	MTM	EET PIT
TCLP	Prep	3010A			5 mL	50 mL	449724	10/20/23 08:34	SJM	EET PIT
TCLP	Analysis	EPA 6010D		1			450023	10/23/23 16:43	AAS	EET PIT
		Instrument ID: Q								
TCLP	Leach	EPA 1311			100.15 g	2000 mL	449582	10/18/23 13:25	MTM	EET PIT
TCLP	Prep	7470A			25 mL	25 mL	449763	10/20/23 08:00	MTW	EET PIT
TCLP	Analysis	EPA 7470A		1			449816	10/20/23 14:09	MTW	EET PIT
		Instrument ID: HGZ								
Total/NA	Analysis	1030		1			939993	10/23/23 11:34	YAH	EET EDI
		Instrument ID: NOEQUIP								
Total/NA	Analysis	2540G		1			449787	10/20/23 09:21	C1F	EET PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	EPA 9045D		1	19.84 g	20 mL	450093	10/24/23 14:30	ELS	EET PIT
		Instrument ID: NOEQUIP								

Client Sample ID: EHS-ISMP-WC-D8

Lab Sample ID: 180-164020-2

Date Collected: 10/17/23 13:35

Matrix: Solid

Date Received: 10/18/23 09:38

Percent Solids: 87.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	20.0 mL	449713	10/19/23 14:41	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	449753	10/20/23 04:45	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	449754	10/20/23 04:46	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	449764	10/20/23 17:32	JMO	EET PIT
		Instrument ID: CHGC20								
Total/NA	Prep	9010C			0.20 g	10 mL	450213	10/25/23 15:00	CMR	EET PIT
Total/NA	Analysis	EPA 9014		1			450233	10/25/23 16:42	CMR	EET PIT
		Instrument ID: SHAMU								
Total/NA	Prep	9030B			5.06 g	50 mL	450100	10/24/23 17:30	CMR	EET PIT
Total/NA	Analysis	EPA 9034		1			450108	10/24/23 19:19	CMR	EET PIT
		Instrument ID: NOEQUIP								

Eurofins Pittsburgh

Lab Chronicle

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-164020-1

Client Sample ID: EHS-ISMP-WC-D9

Lab Sample ID: 180-164020-3

Date Collected: 10/17/23 13:40

Matrix: Solid

Date Received: 10/18/23 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	EPA 1311			25.07 g	500 mL	449562	10/18/23 11:32	MTM	EET PIT
TCLP	Analysis	EPA 8260D		1	0.25 mL	5 mL	449698	10/20/23 13:05	SGR	EET PIT
		Instrument ID: CHHP10								
TCLP	Leach	EPA 1311			100.23 g	2000 mL	449582	10/18/23 13:25	MTM	EET PIT
TCLP	Prep	3510C			200 mL	10.0 mL	449744	10/20/23 02:23	CBY	EET PIT
TCLP	Analysis	EPA 8270E		1	1 mL	1 mL	449775	10/20/23 16:23	VVP	EET PIT
		Instrument ID: CHMSD7								
TCLP	Leach	EPA 1311			100.23 g	2000 mL	449582	10/18/23 13:25	MTM	EET PIT
TCLP	Prep	3010A			5 mL	50 mL	449724	10/20/23 08:34	SJM	EET PIT
TCLP	Analysis	EPA 6010D		1			450023	10/23/23 16:49	AAS	EET PIT
		Instrument ID: Q								
TCLP	Leach	EPA 1311			100.23 g	2000 mL	449582	10/18/23 13:25	MTM	EET PIT
TCLP	Prep	7470A			25 mL	25 mL	449763	10/20/23 08:00	MTW	EET PIT
TCLP	Analysis	EPA 7470A		1			449816	10/20/23 14:10	MTW	EET PIT
		Instrument ID: HGZ								
Total/NA	Analysis	1030		1			939993	10/23/23 11:34	YAH	EET EDI
		Instrument ID: NOEQUIP								
Total/NA	Analysis	2540G		1			449787	10/20/23 09:21	C1F	EET PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	EPA 9045D		1	19.88 g	20 mL	450093	10/24/23 14:36	ELS	EET PIT
		Instrument ID: NOEQUIP								

Client Sample ID: EHS-ISMP-WC-D9

Lab Sample ID: 180-164020-3

Date Collected: 10/17/23 13:40

Matrix: Solid

Date Received: 10/18/23 09:38

Percent Solids: 89.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.3 g	20.0 mL	449713	10/19/23 14:41	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	449753	10/20/23 04:45	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	449754	10/20/23 04:46	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	449764	10/20/23 17:49	JMO	EET PIT
		Instrument ID: CHGC20								
Total/NA	Prep	9010C			0.31 g	10 mL	450213	10/25/23 15:00	CMR	EET PIT
Total/NA	Analysis	EPA 9014		1			450233	10/25/23 16:44	CMR	EET PIT
		Instrument ID: SHAMU								
Total/NA	Prep	9030B			5.09 g	50 mL	450100	10/24/23 17:30	CMR	EET PIT
Total/NA	Analysis	EPA 9034		1			450108	10/24/23 19:20	CMR	EET PIT
		Instrument ID: NOEQUIP								

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Lab Chronicle

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-164020-1

Client Sample ID: EHS-ISMP-WC-D10

Lab Sample ID: 180-164020-4

Date Collected: 10/17/23 13:45

Matrix: Solid

Date Received: 10/18/23 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	EPA 1311			25.35 g	500 mL	449562	10/18/23 11:32	MTM	EET PIT
TCLP	Analysis	EPA 8260D		1	0.25 mL	5 mL	449698	10/20/23 13:34	SGR	EET PIT
		Instrument ID: CHHP10								
TCLP	Leach	EPA 1311			100.05 g	2000 mL	449582	10/18/23 13:25	MTM	EET PIT
TCLP	Prep	3510C			200 mL	10.0 mL	449744	10/20/23 02:23	CBY	EET PIT
TCLP	Analysis	EPA 8270E		1	1 mL	1 mL	449775	10/20/23 16:45	VVP	EET PIT
		Instrument ID: CHMSD7								
TCLP	Leach	EPA 1311			100.05 g	2000 mL	449582	10/18/23 13:25	MTM	EET PIT
TCLP	Prep	3010A			5 mL	50 mL	449724	10/20/23 08:34	SJM	EET PIT
TCLP	Analysis	EPA 6010D		1			450023	10/23/23 16:54	AAS	EET PIT
		Instrument ID: Q								
TCLP	Leach	EPA 1311			100.05 g	2000 mL	449582	10/18/23 13:25	MTM	EET PIT
TCLP	Prep	7470A			25 mL	25 mL	449763	10/20/23 08:00	MTW	EET PIT
TCLP	Analysis	EPA 7470A		1			449816	10/20/23 14:11	MTW	EET PIT
		Instrument ID: HGZ								
Total/NA	Analysis	1030		1			939993	10/23/23 11:34	YAH	EET EDI
		Instrument ID: NOEQUIP								
Total/NA	Analysis	2540G		1			449787	10/20/23 09:21	C1F	EET PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	EPA 9045D		1	19.89 g	20 mL	450093	10/24/23 14:42	ELS	EET PIT
		Instrument ID: NOEQUIP								

Client Sample ID: EHS-ISMP-WC-D10

Lab Sample ID: 180-164020-4

Date Collected: 10/17/23 13:45

Matrix: Solid

Date Received: 10/18/23 09:38

Percent Solids: 90.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.3 g	20.0 mL	449713	10/19/23 14:41	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	449753	10/20/23 04:45	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	449754	10/20/23 04:46	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	449764	10/20/23 18:07	JMO	EET PIT
		Instrument ID: CHGC20								
Total/NA	Prep	9010C			0.28 g	10 mL	450213	10/25/23 15:00	CMR	EET PIT
Total/NA	Analysis	EPA 9014		1			450233	10/25/23 16:45	CMR	EET PIT
		Instrument ID: SHAMU								
Total/NA	Prep	9030B			5.23 g	50 mL	450100	10/24/23 17:30	CMR	EET PIT
Total/NA	Analysis	EPA 9034		1			450108	10/24/23 19:26	CMR	EET PIT
		Instrument ID: NOEQUIP								

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Lab Chronicle

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-164020-1

Client Sample ID: EHS-ISMP-WC-D11

Lab Sample ID: 180-164020-5

Date Collected: 10/17/23 13:50

Matrix: Solid

Date Received: 10/18/23 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	EPA 1311			25.34 g	500 mL	449562	10/18/23 11:32	MTM	EET PIT
TCLP	Analysis	EPA 8260D		1	0.25 mL	5 mL	449698	10/20/23 14:04	SGR	EET PIT
		Instrument ID: CHHP10								
TCLP	Leach	EPA 1311			100.45 g	2000 mL	449582	10/18/23 13:25	MTM	EET PIT
TCLP	Prep	3510C			200 mL	10.0 mL	449744	10/20/23 02:23	CBY	EET PIT
TCLP	Analysis	EPA 8270E		1	1 mL	1 mL	449775	10/20/23 17:06	VVP	EET PIT
		Instrument ID: CHMSD7								
TCLP	Leach	EPA 1311			100.45 g	2000 mL	449582	10/18/23 13:25	MTM	EET PIT
TCLP	Prep	3010A			5 mL	50 mL	449724	10/20/23 08:34	SJM	EET PIT
TCLP	Analysis	EPA 6010D		1			450023	10/23/23 16:59	AAS	EET PIT
		Instrument ID: Q								
TCLP	Leach	EPA 1311			100.45 g	2000 mL	449582	10/18/23 13:25	MTM	EET PIT
TCLP	Prep	7470A			25 mL	25 mL	449763	10/20/23 08:00	MTW	EET PIT
TCLP	Analysis	EPA 7470A		1			449816	10/20/23 14:15	MTW	EET PIT
		Instrument ID: HGZ								
Total/NA	Analysis	1030		1			939993	10/23/23 11:34	YAH	EET EDI
		Instrument ID: NOEQUIP								
Total/NA	Analysis	2540G		1			449787	10/20/23 09:21	C1F	EET PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	EPA 9045D		1	19.73 g	20 mL	450093	10/24/23 14:47	ELS	EET PIT
		Instrument ID: NOEQUIP								

Client Sample ID: EHS-ISMP-WC-D11

Lab Sample ID: 180-164020-5

Date Collected: 10/17/23 13:50

Matrix: Solid

Date Received: 10/18/23 09:38

Percent Solids: 92.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.5 g	20.0 mL	449713	10/19/23 14:41	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	449753	10/20/23 04:45	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	449754	10/20/23 04:46	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	449764	10/20/23 18:25	JMO	EET PIT
		Instrument ID: CHGC20								
Total/NA	Prep	9010C			0.27 g	10 mL	450213	10/25/23 15:00	CMR	EET PIT
Total/NA	Analysis	EPA 9014		1			450233	10/25/23 16:46	CMR	EET PIT
		Instrument ID: SHAMU								
Total/NA	Prep	9030B			5.18 g	50 mL	450100	10/24/23 17:30	CMR	EET PIT
Total/NA	Analysis	EPA 9034		1			450108	10/24/23 19:27	CMR	EET PIT
		Instrument ID: NOEQUIP								

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Lab Chronicle

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-164020-1

Client Sample ID: EHS-ISMP-WC-D12

Lab Sample ID: 180-164020-6

Date Collected: 10/17/23 13:55

Matrix: Solid

Date Received: 10/18/23 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	EPA 1311			25.06 g	500 mL	449562	10/18/23 11:32	MTM	EET PIT
TCLP	Analysis	EPA 8260D		1	0.25 mL	5 mL	449698	10/20/23 14:33	SGR	EET PIT
		Instrument ID: CHHP10								
TCLP	Leach	EPA 1311			100.73 g	2000 mL	449582	10/18/23 13:25	MTM	EET PIT
TCLP	Prep	3510C			200 mL	10.0 mL	449744	10/20/23 02:23	CBY	EET PIT
TCLP	Analysis	EPA 8270E		1	1 mL	1 mL	449906	10/23/23 10:41	VVP	EET PIT
		Instrument ID: CH732								
TCLP	Leach	EPA 1311			100.73 g	2000 mL	449582	10/18/23 13:25	MTM	EET PIT
TCLP	Prep	3010A			5 mL	50 mL	449724	10/20/23 08:34	SJM	EET PIT
TCLP	Analysis	EPA 6010D		1			450023	10/23/23 17:05	AAS	EET PIT
		Instrument ID: Q								
TCLP	Leach	EPA 1311			100.73 g	2000 mL	449582	10/18/23 13:25	MTM	EET PIT
TCLP	Prep	7470A			25 mL	25 mL	449763	10/20/23 08:00	MTW	EET PIT
TCLP	Analysis	EPA 7470A		1			449816	10/20/23 14:20	MTW	EET PIT
		Instrument ID: HGZ								
Total/NA	Analysis	1030		1			939993	10/23/23 11:34	YAH	EET EDI
		Instrument ID: NOEQUIP								
Total/NA	Analysis	2540G		1			449787	10/20/23 09:21	C1F	EET PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	EPA 9045D		1	20.16 g	20 mL	450093	10/24/23 14:53	ELS	EET PIT
		Instrument ID: NOEQUIP								

Client Sample ID: EHS-ISMP-WC-D12

Lab Sample ID: 180-164020-6

Date Collected: 10/17/23 13:55

Matrix: Solid

Date Received: 10/18/23 09:38

Percent Solids: 95.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	20.0 mL	449713	10/19/23 14:41	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	449753	10/20/23 04:45	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	449754	10/20/23 04:46	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	449764	10/20/23 18:42	JMO	EET PIT
		Instrument ID: CHGC20								
Total/NA	Prep	9010C			0.23 g	10 mL	450213	10/25/23 15:00	CMR	EET PIT
Total/NA	Analysis	EPA 9014		1			450233	10/25/23 16:48	CMR	EET PIT
		Instrument ID: SHAMU								
Total/NA	Prep	9030B			5.27 g	50 mL	450100	10/24/23 17:30	CMR	EET PIT
Total/NA	Analysis	EPA 9034		1			450108	10/24/23 19:29	CMR	EET PIT
		Instrument ID: NOEQUIP								

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Lab Chronicle

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-164020-1

Client Sample ID: EHS-ISMP-WC-D13

Lab Sample ID: 180-164020-7

Date Collected: 10/17/23 14:00

Matrix: Solid

Date Received: 10/18/23 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	EPA 1311			25.37 g	500 mL	449562	10/18/23 11:32	MTM	EET PIT
TCLP	Analysis	EPA 8260D		1	0.25 mL	5 mL	449698	10/20/23 15:02	SGR	EET PIT
		Instrument ID: CHHP10								
TCLP	Leach	EPA 1311			100.01 g	2000 mL	449582	10/18/23 13:25	MTM	EET PIT
TCLP	Prep	3510C			200 mL	10.0 mL	449744	10/20/23 02:23	CBY	EET PIT
TCLP	Analysis	EPA 8270E		1	1 mL	1 mL	449906	10/23/23 11:03	VVP	EET PIT
		Instrument ID: CH732								
TCLP	Leach	EPA 1311			100.01 g	2000 mL	449582	10/18/23 13:25	MTM	EET PIT
TCLP	Prep	3010A			5 mL	50 mL	449724	10/20/23 08:34	SJM	EET PIT
TCLP	Analysis	EPA 6010D		1			450023	10/23/23 17:10	AAS	EET PIT
		Instrument ID: Q								
TCLP	Leach	EPA 1311			100.01 g	2000 mL	449582	10/18/23 13:25	MTM	EET PIT
TCLP	Prep	7470A			25 mL	25 mL	449763	10/20/23 08:00	MTW	EET PIT
TCLP	Analysis	EPA 7470A		1			449816	10/20/23 14:21	MTW	EET PIT
		Instrument ID: HGZ								
Total/NA	Analysis	1030		1			939993	10/23/23 11:34	YAH	EET EDI
		Instrument ID: NOEQUIP								
Total/NA	Analysis	2540G		1			449787	10/20/23 09:21	C1F	EET PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	EPA 9045D		1	20.01 g	20 mL	450093	10/24/23 14:58	ELS	EET PIT
		Instrument ID: NOEQUIP								

Client Sample ID: EHS-ISMP-WC-D13

Lab Sample ID: 180-164020-7

Date Collected: 10/17/23 14:00

Matrix: Solid

Date Received: 10/18/23 09:38

Percent Solids: 93.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	20.0 mL	449713	10/19/23 14:41	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	449753	10/20/23 04:45	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	449754	10/20/23 04:46	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	449764	10/20/23 19:00	JMO	EET PIT
		Instrument ID: CHGC20								
Total/NA	Prep	9010C			0.29 g	10 mL	450213	10/25/23 15:00	CMR	EET PIT
Total/NA	Analysis	EPA 9014		1			450233	10/25/23 16:49	CMR	EET PIT
		Instrument ID: SHAMU								
Total/NA	Prep	9030B			5.04 g	50 mL	450100	10/24/23 17:30	CMR	EET PIT
Total/NA	Analysis	EPA 9034		1			450108	10/24/23 19:31	CMR	EET PIT
		Instrument ID: NOEQUIP								

¹ This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

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

Eurofins Pittsburgh

Lab Chronicle

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-164020-1

Analyst References:

Lab: EET EDI

Batch Type: Analysis

YAH = Youhao Hu

Lab: EET PIT

Batch Type: Cleanup

JMO = John Oravec

MTM = Matthew McGhee

Batch Type: Prep

CBY = Charles Yushinski

CMR = Carl Reagle

DVC = Daniel Capodanno

MTW = Michael Wesoloski

SJM = Shannon Mueller

Batch Type: Analysis

AAS = Ariana Swick

C1F = Courtney Fenk

CMR = Carl Reagle

ELS = Edwin Shireman

JMO = John Oravec

MTW = Michael Wesoloski

SGR = Steven Russell

VVP = Vincent Piccolino

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Client Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-164020-1

Client Sample ID: EHS-ISMP-WC-D7

Lab Sample ID: 180-164020-1

Date Collected: 10/17/23 13:30

Matrix: Solid

Date Received: 10/18/23 09:38

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.20	0.012	mg/L			10/20/23 12:06	1
2-Butanone (MEK)	0.093	J *1 B	1.0	0.051	mg/L			10/20/23 12:06	1
Carbon tetrachloride	ND		0.20	0.018	mg/L			10/20/23 12:06	1
Chlorobenzene	ND		0.20	0.010	mg/L			10/20/23 12:06	1
Chloroform	ND		0.20	0.012	mg/L			10/20/23 12:06	1
1,2-Dichloroethane	ND		0.20	0.011	mg/L			10/20/23 12:06	1
1,1-Dichloroethene	ND		0.20	0.011	mg/L			10/20/23 12:06	1
Tetrachloroethene	ND		0.20	0.0093	mg/L			10/20/23 12:06	1
Trichloroethene	ND		0.20	0.014	mg/L			10/20/23 12:06	1
Vinyl chloride	ND		0.20	0.0081	mg/L			10/20/23 12:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	74		49 - 118		10/20/23 12:06	1
Dibromofluoromethane (Surr)	113		60 - 132		10/20/23 12:06	1
1,2-Dichloroethane-d4 (Surr)	100		52 - 151		10/20/23 12:06	1
Toluene-d8 (Surr)	109		53 - 124		10/20/23 12:06	1

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.050	0.0045	mg/L		10/20/23 02:23	10/20/23 15:40	1
2,4-Dinitrotoluene	ND		0.050	0.0079	mg/L		10/20/23 02:23	10/20/23 15:40	1
Hexachlorobenzene	ND		0.050	0.0055	mg/L		10/20/23 02:23	10/20/23 15:40	1
Hexachlorobutadiene	ND		0.050	0.0084	mg/L		10/20/23 02:23	10/20/23 15:40	1
Hexachloroethane	ND		0.050	0.0040	mg/L		10/20/23 02:23	10/20/23 15:40	1
2-Methylphenol	ND		0.050	0.0040	mg/L		10/20/23 02:23	10/20/23 15:40	1
Methylphenol, 3 & 4	ND		0.050	0.0079	mg/L		10/20/23 02:23	10/20/23 15:40	1
Nitrobenzene	ND		0.050	0.012	mg/L		10/20/23 02:23	10/20/23 15:40	1
Pentachlorophenol	ND		0.25	0.0075	mg/L		10/20/23 02:23	10/20/23 15:40	1
Pyridine	ND		0.10	0.0082	mg/L		10/20/23 02:23	10/20/23 15:40	1
2,4,5-Trichlorophenol	ND		0.050	0.0079	mg/L		10/20/23 02:23	10/20/23 15:40	1
2,4,6-Trichlorophenol	ND		0.050	0.0095	mg/L		10/20/23 02:23	10/20/23 15:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	74		55 - 105	10/20/23 02:23	10/20/23 15:40	1
2-Fluorophenol (Surr)	80		55 - 105	10/20/23 02:23	10/20/23 15:40	1
Nitrobenzene-d5 (Surr)	79		55 - 109	10/20/23 02:23	10/20/23 15:40	1
Phenol-d5 (Surr)	80		48 - 105	10/20/23 02:23	10/20/23 15:40	1
Terphenyl-d14 (Surr)	83		37 - 107	10/20/23 02:23	10/20/23 15:40	1
2,4,6-Tribromophenol (Surr)	62		32 - 115	10/20/23 02:23	10/20/23 15:40	1

Method: SW846 EPA 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND	^1+	0.50	0.083	mg/L		10/20/23 08:34	10/23/23 15:57	1
Barium	0.71	J	2.0	0.063	mg/L		10/20/23 08:34	10/23/23 15:57	1
Cadmium	ND		0.50	0.0030	mg/L		10/20/23 08:34	10/23/23 15:57	1
Chromium	ND		0.50	0.016	mg/L		10/20/23 08:34	10/23/23 15:57	1
Lead	ND		0.50	0.044	mg/L		10/20/23 08:34	10/23/23 15:57	1
Selenium	ND		0.50	0.037	mg/L		10/20/23 08:34	10/23/23 15:57	1
Silver	ND	^1+	0.50	0.0091	mg/L		10/20/23 08:34	10/23/23 15:57	1

Eurofins Pittsburgh

Client Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-164020-1

Client Sample ID: EHS-ISMP-WC-D7

Lab Sample ID: 180-164020-1

Date Collected: 10/17/23 13:30

Matrix: Solid

Date Received: 10/18/23 09:38

Method: SW846 EPA 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		10/20/23 08:00	10/20/23 14:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate (SW846 1030)	ND		2.20	2.20	mm/sec			10/23/23 11:34	1
Percent Moisture (SM22 2540G)	9.2		0.1	0.1	%			10/20/23 09:21	1
Percent Solids (SM22 2540G)	90.8		0.1	0.1	%			10/20/23 09:21	1
pH (SW846 EPA 9045D)	8.9	HF	0.1	0.1	SU			10/24/23 14:19	1

Client Sample ID: EHS-ISMP-WC-D7

Lab Sample ID: 180-164020-1

Date Collected: 10/17/23 13:30

Matrix: Solid

Date Received: 10/18/23 09:38

Percent Solids: 90.8

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND	F2	18	5.8	ug/Kg	☆	10/19/23 14:41	10/20/23 16:39	1
PCB-1221	ND		18	6.3	ug/Kg	☆	10/19/23 14:41	10/20/23 16:39	1
PCB-1232	ND		18	4.4	ug/Kg	☆	10/19/23 14:41	10/20/23 16:39	1
PCB-1242	ND		18	2.6	ug/Kg	☆	10/19/23 14:41	10/20/23 16:39	1
PCB-1248	ND		18	4.3	ug/Kg	☆	10/19/23 14:41	10/20/23 16:39	1
PCB-1254	ND		18	5.4	ug/Kg	☆	10/19/23 14:41	10/20/23 16:39	1
PCB-1260	ND		18	5.1	ug/Kg	☆	10/19/23 14:41	10/20/23 16:39	1
PCB-1262	ND		18	6.3	ug/Kg	☆	10/19/23 14:41	10/20/23 16:39	1
PCB-1268	ND		18	2.4	ug/Kg	☆	10/19/23 14:41	10/20/23 16:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	109		63 - 138	10/19/23 14:41	10/20/23 16:39	1
DCB Decachlorobiphenyl (Surr)	101		63 - 138	10/19/23 14:41	10/20/23 16:39	1
Tetrachloro-m-xylene (Surr)	101		55 - 135	10/19/23 14:41	10/20/23 16:39	1
Tetrachloro-m-xylene (Surr)	94		55 - 135	10/19/23 14:41	10/20/23 16:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 EPA 9014)	ND	*+	0.32	0.25	mg/Kg	☆	10/25/23 15:00	10/25/23 16:41	1
Sulfide (SW846 EPA 9034)	ND		33	11	mg/Kg	☆	10/24/23 17:30	10/24/23 19:14	1

Client Sample ID: EHS-ISMP-WC-D8

Lab Sample ID: 180-164020-2

Date Collected: 10/17/23 13:35

Matrix: Solid

Date Received: 10/18/23 09:38

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.20	0.012	mg/L			10/20/23 12:36	1
2-Butanone (MEK)	0.12	J *1 B	1.0	0.051	mg/L			10/20/23 12:36	1
Carbon tetrachloride	ND		0.20	0.018	mg/L			10/20/23 12:36	1
Chlorobenzene	ND		0.20	0.010	mg/L			10/20/23 12:36	1
Chloroform	ND		0.20	0.012	mg/L			10/20/23 12:36	1
1,2-Dichloroethane	ND		0.20	0.011	mg/L			10/20/23 12:36	1
1,1-Dichloroethene	ND		0.20	0.011	mg/L			10/20/23 12:36	1
Tetrachloroethene	ND		0.20	0.0093	mg/L			10/20/23 12:36	1
Trichloroethene	ND		0.20	0.014	mg/L			10/20/23 12:36	1

Eurofins Pittsburgh

Client Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-164020-1

Client Sample ID: EHS-ISMP-WC-D8

Lab Sample ID: 180-164020-2

Date Collected: 10/17/23 13:35

Matrix: Solid

Date Received: 10/18/23 09:38

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.20	0.0081	mg/L			10/20/23 12:36	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	70		49 - 118					10/20/23 12:36	1
Dibromofluoromethane (Surr)	108		60 - 132					10/20/23 12:36	1
1,2-Dichloroethane-d4 (Surr)	98		52 - 151					10/20/23 12:36	1
Toluene-d8 (Surr)	100		53 - 124					10/20/23 12:36	1

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.050	0.0045	mg/L		10/20/23 02:23	10/20/23 16:01	1
2,4-Dinitrotoluene	ND		0.050	0.0079	mg/L		10/20/23 02:23	10/20/23 16:01	1
Hexachlorobenzene	ND		0.050	0.0055	mg/L		10/20/23 02:23	10/20/23 16:01	1
Hexachlorobutadiene	ND		0.050	0.0084	mg/L		10/20/23 02:23	10/20/23 16:01	1
Hexachloroethane	ND		0.050	0.0040	mg/L		10/20/23 02:23	10/20/23 16:01	1
2-Methylphenol	ND		0.050	0.0040	mg/L		10/20/23 02:23	10/20/23 16:01	1
Methylphenol, 3 & 4	ND		0.050	0.0079	mg/L		10/20/23 02:23	10/20/23 16:01	1
Nitrobenzene	ND		0.050	0.012	mg/L		10/20/23 02:23	10/20/23 16:01	1
Pentachlorophenol	ND		0.25	0.0075	mg/L		10/20/23 02:23	10/20/23 16:01	1
Pyridine	ND		0.10	0.0082	mg/L		10/20/23 02:23	10/20/23 16:01	1
2,4,5-Trichlorophenol	ND		0.050	0.0079	mg/L		10/20/23 02:23	10/20/23 16:01	1
2,4,6-Trichlorophenol	ND		0.050	0.0095	mg/L		10/20/23 02:23	10/20/23 16:01	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	77		55 - 105				10/20/23 02:23	10/20/23 16:01	1
2-Fluorophenol (Surr)	83		55 - 105				10/20/23 02:23	10/20/23 16:01	1
Nitrobenzene-d5 (Surr)	85		55 - 109				10/20/23 02:23	10/20/23 16:01	1
Phenol-d5 (Surr)	84		48 - 105				10/20/23 02:23	10/20/23 16:01	1
Terphenyl-d14 (Surr)	86		37 - 107				10/20/23 02:23	10/20/23 16:01	1
2,4,6-Tribromophenol (Surr)	71		32 - 115				10/20/23 02:23	10/20/23 16:01	1

Method: SW846 EPA 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND	^1+	0.50	0.083	mg/L		10/20/23 08:34	10/23/23 16:43	1
Barium	0.45	J	2.0	0.063	mg/L		10/20/23 08:34	10/23/23 16:43	1
Cadmium	ND		0.50	0.0030	mg/L		10/20/23 08:34	10/23/23 16:43	1
Chromium	ND		0.50	0.016	mg/L		10/20/23 08:34	10/23/23 16:43	1
Lead	ND		0.50	0.044	mg/L		10/20/23 08:34	10/23/23 16:43	1
Selenium	ND		0.50	0.037	mg/L		10/20/23 08:34	10/23/23 16:43	1
Silver	ND	^1+	0.50	0.0091	mg/L		10/20/23 08:34	10/23/23 16:43	1

Method: SW846 EPA 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		10/20/23 08:00	10/20/23 14:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate (SW846 1030)	ND		2.20	2.20	mm/sec			10/23/23 11:34	1
Percent Moisture (SM22 2540G)	12.1		0.1	0.1	%			10/20/23 09:21	1
Percent Solids (SM22 2540G)	87.9		0.1	0.1	%			10/20/23 09:21	1
pH (SW846 EPA 9045D)	7.9	HF	0.1	0.1	SU			10/24/23 14:30	1

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Client Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-164020-1

Client Sample ID: EHS-ISMP-WC-D8

Lab Sample ID: 180-164020-2

Date Collected: 10/17/23 13:35

Matrix: Solid

Date Received: 10/18/23 09:38

Percent Solids: 87.9

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.2	ug/Kg	☆	10/19/23 14:41	10/20/23 17:32	1
PCB-1221	ND		19	6.7	ug/Kg	☆	10/19/23 14:41	10/20/23 17:32	1
PCB-1232	ND		19	4.6	ug/Kg	☆	10/19/23 14:41	10/20/23 17:32	1
PCB-1242	ND		19	2.8	ug/Kg	☆	10/19/23 14:41	10/20/23 17:32	1
PCB-1248	ND		19	4.6	ug/Kg	☆	10/19/23 14:41	10/20/23 17:32	1
PCB-1254	ND		19	5.7	ug/Kg	☆	10/19/23 14:41	10/20/23 17:32	1
PCB-1260	ND		19	5.4	ug/Kg	☆	10/19/23 14:41	10/20/23 17:32	1
PCB-1262	ND		19	6.7	ug/Kg	☆	10/19/23 14:41	10/20/23 17:32	1
PCB-1268	ND		19	2.5	ug/Kg	☆	10/19/23 14:41	10/20/23 17:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	106		63 - 138	10/19/23 14:41	10/20/23 17:32	1
DCB Decachlorobiphenyl (Surr)	98		63 - 138	10/19/23 14:41	10/20/23 17:32	1
Tetrachloro-m-xylene (Surr)	93		55 - 135	10/19/23 14:41	10/20/23 17:32	1
Tetrachloro-m-xylene (Surr)	89		55 - 135	10/19/23 14:41	10/20/23 17:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 EPA 9014)	ND	+	0.57	0.43	mg/Kg	☆	10/25/23 15:00	10/25/23 16:42	1
Sulfide (SW846 EPA 9034)	11	J	34	11	mg/Kg	☆	10/24/23 17:30	10/24/23 19:19	1

Client Sample ID: EHS-ISMP-WC-D9

Lab Sample ID: 180-164020-3

Date Collected: 10/17/23 13:40

Matrix: Solid

Date Received: 10/18/23 09:38

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.20	0.012	mg/L			10/20/23 13:05	1
2-Butanone (MEK)	0.11	J *1 B	1.0	0.051	mg/L			10/20/23 13:05	1
Carbon tetrachloride	ND		0.20	0.018	mg/L			10/20/23 13:05	1
Chlorobenzene	ND		0.20	0.010	mg/L			10/20/23 13:05	1
Chloroform	ND		0.20	0.012	mg/L			10/20/23 13:05	1
1,2-Dichloroethane	ND		0.20	0.011	mg/L			10/20/23 13:05	1
1,1-Dichloroethene	ND		0.20	0.011	mg/L			10/20/23 13:05	1
Tetrachloroethene	ND		0.20	0.0093	mg/L			10/20/23 13:05	1
Trichloroethene	ND		0.20	0.014	mg/L			10/20/23 13:05	1
Vinyl chloride	ND		0.20	0.0081	mg/L			10/20/23 13:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	77		49 - 118		10/20/23 13:05	1
Dibromofluoromethane (Surr)	120		60 - 132		10/20/23 13:05	1
1,2-Dichloroethane-d4 (Surr)	107		52 - 151		10/20/23 13:05	1
Toluene-d8 (Surr)	106		53 - 124		10/20/23 13:05	1

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.050	0.0045	mg/L		10/20/23 02:23	10/20/23 16:23	1
2,4-Dinitrotoluene	ND		0.050	0.0079	mg/L		10/20/23 02:23	10/20/23 16:23	1
Hexachlorobenzene	ND		0.050	0.0055	mg/L		10/20/23 02:23	10/20/23 16:23	1
Hexachlorobutadiene	ND		0.050	0.0084	mg/L		10/20/23 02:23	10/20/23 16:23	1
Hexachloroethane	ND		0.050	0.0040	mg/L		10/20/23 02:23	10/20/23 16:23	1

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Client Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-164020-1

Client Sample ID: EHS-ISMP-WC-D9

Lab Sample ID: 180-164020-3

Date Collected: 10/17/23 13:40

Matrix: Solid

Date Received: 10/18/23 09:38

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		0.050	0.0040	mg/L		10/20/23 02:23	10/20/23 16:23	1
Methylphenol, 3 & 4	ND		0.050	0.0079	mg/L		10/20/23 02:23	10/20/23 16:23	1
Nitrobenzene	ND		0.050	0.012	mg/L		10/20/23 02:23	10/20/23 16:23	1
Pentachlorophenol	ND		0.25	0.0075	mg/L		10/20/23 02:23	10/20/23 16:23	1
Pyridine	ND		0.10	0.0082	mg/L		10/20/23 02:23	10/20/23 16:23	1
2,4,5-Trichlorophenol	ND		0.050	0.0079	mg/L		10/20/23 02:23	10/20/23 16:23	1
2,4,6-Trichlorophenol	ND		0.050	0.0095	mg/L		10/20/23 02:23	10/20/23 16:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	73		55 - 105	10/20/23 02:23	10/20/23 16:23	1
2-Fluorophenol (Surr)	83		55 - 105	10/20/23 02:23	10/20/23 16:23	1
Nitrobenzene-d5 (Surr)	81		55 - 109	10/20/23 02:23	10/20/23 16:23	1
Phenol-d5 (Surr)	84		48 - 105	10/20/23 02:23	10/20/23 16:23	1
Terphenyl-d14 (Surr)	81		37 - 107	10/20/23 02:23	10/20/23 16:23	1
2,4,6-Tribromophenol (Surr)	65		32 - 115	10/20/23 02:23	10/20/23 16:23	1

Method: SW846 EPA 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND	^1+	0.50	0.083	mg/L		10/20/23 08:34	10/23/23 16:49	1
Barium	0.51	J	2.0	0.063	mg/L		10/20/23 08:34	10/23/23 16:49	1
Cadmium	ND		0.50	0.0030	mg/L		10/20/23 08:34	10/23/23 16:49	1
Chromium	ND		0.50	0.016	mg/L		10/20/23 08:34	10/23/23 16:49	1
Lead	ND		0.50	0.044	mg/L		10/20/23 08:34	10/23/23 16:49	1
Selenium	ND		0.50	0.037	mg/L		10/20/23 08:34	10/23/23 16:49	1
Silver	0.012	J B ^1+	0.50	0.0091	mg/L		10/20/23 08:34	10/23/23 16:49	1

Method: SW846 EPA 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		10/20/23 08:00	10/20/23 14:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate (SW846 1030)	ND		2.20	2.20	mm/sec			10/23/23 11:34	1
Percent Moisture (SM22 2540G)	10.1		0.1	0.1	%			10/20/23 09:21	1
Percent Solids (SM22 2540G)	89.9		0.1	0.1	%			10/20/23 09:21	1
pH (SW846 EPA 9045D)	6.8	HF	0.1	0.1	SU			10/24/23 14:36	1

Client Sample ID: EHS-ISMP-WC-D9

Lab Sample ID: 180-164020-3

Date Collected: 10/17/23 13:40

Matrix: Solid

Date Received: 10/18/23 09:38

Percent Solids: 89.8

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.9	ug/Kg	✱	10/19/23 14:41	10/20/23 17:49	1
PCB-1221	ND		18	6.4	ug/Kg	✱	10/19/23 14:41	10/20/23 17:49	1
PCB-1232	ND		18	4.4	ug/Kg	✱	10/19/23 14:41	10/20/23 17:49	1
PCB-1242	ND		18	2.7	ug/Kg	✱	10/19/23 14:41	10/20/23 17:49	1
PCB-1248	ND		18	4.4	ug/Kg	✱	10/19/23 14:41	10/20/23 17:49	1
PCB-1254	ND		18	5.5	ug/Kg	✱	10/19/23 14:41	10/20/23 17:49	1
PCB-1260	5.2	J	18	5.2	ug/Kg	✱	10/19/23 14:41	10/20/23 17:49	1
PCB-1262	ND		18	6.4	ug/Kg	✱	10/19/23 14:41	10/20/23 17:49	1

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Client Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-164020-1

Client Sample ID: EHS-ISMP-WC-D9

Lab Sample ID: 180-164020-3

Date Collected: 10/17/23 13:40

Matrix: Solid

Date Received: 10/18/23 09:38

Percent Solids: 89.8

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1268	ND		18	2.4	ug/Kg	☼	10/19/23 14:41	10/20/23 17:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	98		63 - 138				10/19/23 14:41	10/20/23 17:49	1
DCB Decachlorobiphenyl (Surr)	89		63 - 138				10/19/23 14:41	10/20/23 17:49	1
Tetrachloro-m-xylene (Surr)	83		55 - 135				10/19/23 14:41	10/20/23 17:49	1
Tetrachloro-m-xylene (Surr)	80		55 - 135				10/19/23 14:41	10/20/23 17:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 EPA 9014)	ND	*+	0.36	0.27	mg/Kg	☼	10/25/23 15:00	10/25/23 16:44	1
Sulfide (SW846 EPA 9034)	ND		33	11	mg/Kg	☼	10/24/23 17:30	10/24/23 19:20	1

Client Sample ID: EHS-ISMP-WC-D10

Lab Sample ID: 180-164020-4

Date Collected: 10/17/23 13:45

Matrix: Solid

Date Received: 10/18/23 09:38

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.20	0.012	mg/L			10/20/23 13:34	1
2-Butanone (MEK)	ND	*1	1.0	0.051	mg/L			10/20/23 13:34	1
Carbon tetrachloride	ND		0.20	0.018	mg/L			10/20/23 13:34	1
Chlorobenzene	ND		0.20	0.010	mg/L			10/20/23 13:34	1
Chloroform	ND		0.20	0.012	mg/L			10/20/23 13:34	1
1,2-Dichloroethane	ND		0.20	0.011	mg/L			10/20/23 13:34	1
1,1-Dichloroethene	ND		0.20	0.011	mg/L			10/20/23 13:34	1
Tetrachloroethene	ND		0.20	0.0093	mg/L			10/20/23 13:34	1
Trichloroethene	ND		0.20	0.014	mg/L			10/20/23 13:34	1
Vinyl chloride	ND		0.20	0.0081	mg/L			10/20/23 13:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	76		49 - 118					10/20/23 13:34	1
Dibromofluoromethane (Surr)	116		60 - 132					10/20/23 13:34	1
1,2-Dichloroethane-d4 (Surr)	103		52 - 151					10/20/23 13:34	1
Toluene-d8 (Surr)	103		53 - 124					10/20/23 13:34	1

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.050	0.0045	mg/L		10/20/23 02:23	10/20/23 16:45	1
2,4-Dinitrotoluene	ND		0.050	0.0079	mg/L		10/20/23 02:23	10/20/23 16:45	1
Hexachlorobenzene	ND		0.050	0.0055	mg/L		10/20/23 02:23	10/20/23 16:45	1
Hexachlorobutadiene	ND		0.050	0.0084	mg/L		10/20/23 02:23	10/20/23 16:45	1
Hexachloroethane	ND		0.050	0.0040	mg/L		10/20/23 02:23	10/20/23 16:45	1
2-Methylphenol	ND		0.050	0.0040	mg/L		10/20/23 02:23	10/20/23 16:45	1
Methylphenol, 3 & 4	ND		0.050	0.0079	mg/L		10/20/23 02:23	10/20/23 16:45	1
Nitrobenzene	ND		0.050	0.012	mg/L		10/20/23 02:23	10/20/23 16:45	1
Pentachlorophenol	ND		0.25	0.0075	mg/L		10/20/23 02:23	10/20/23 16:45	1
Pyridine	ND		0.10	0.0082	mg/L		10/20/23 02:23	10/20/23 16:45	1
2,4,5-Trichlorophenol	ND		0.050	0.0079	mg/L		10/20/23 02:23	10/20/23 16:45	1
2,4,6-Trichlorophenol	ND		0.050	0.0095	mg/L		10/20/23 02:23	10/20/23 16:45	1

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Client Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-164020-1

Client Sample ID: EHS-ISMP-WC-D10

Lab Sample ID: 180-164020-4

Date Collected: 10/17/23 13:45

Matrix: Solid

Date Received: 10/18/23 09:38

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	81		55 - 105	10/20/23 02:23	10/20/23 16:45	1
2-Fluorophenol (Surr)	82		55 - 105	10/20/23 02:23	10/20/23 16:45	1
Nitrobenzene-d5 (Surr)	81		55 - 109	10/20/23 02:23	10/20/23 16:45	1
Phenol-d5 (Surr)	75		48 - 105	10/20/23 02:23	10/20/23 16:45	1
Terphenyl-d14 (Surr)	83		37 - 107	10/20/23 02:23	10/20/23 16:45	1
2,4,6-Tribromophenol (Surr)	68		32 - 115	10/20/23 02:23	10/20/23 16:45	1

Method: SW846 EPA 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND	^1+	0.50	0.083	mg/L		10/20/23 08:34	10/23/23 16:54	1
Barium	0.56	J	2.0	0.063	mg/L		10/20/23 08:34	10/23/23 16:54	1
Cadmium	ND		0.50	0.0030	mg/L		10/20/23 08:34	10/23/23 16:54	1
Chromium	ND		0.50	0.016	mg/L		10/20/23 08:34	10/23/23 16:54	1
Lead	ND		0.50	0.044	mg/L		10/20/23 08:34	10/23/23 16:54	1
Selenium	ND		0.50	0.037	mg/L		10/20/23 08:34	10/23/23 16:54	1
Silver	ND	^1+	0.50	0.0091	mg/L		10/20/23 08:34	10/23/23 16:54	1

Method: SW846 EPA 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		10/20/23 08:00	10/20/23 14:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate (SW846 1030)	ND		2.20	2.20	mm/sec			10/23/23 11:34	1
Percent Moisture (SM22 2540G)	9.3		0.1	0.1	%			10/20/23 09:21	1
Percent Solids (SM22 2540G)	90.7		0.1	0.1	%			10/20/23 09:21	1
pH (SW846 EPA 9045D)	8.4	HF	0.1	0.1	SU			10/24/23 14:42	1

Client Sample ID: EHS-ISMP-WC-D10

Lab Sample ID: 180-164020-4

Date Collected: 10/17/23 13:45

Matrix: Solid

Date Received: 10/18/23 09:38

Percent Solids: 90.7

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.9	ug/Kg	✱	10/19/23 14:41	10/20/23 18:07	1
PCB-1221	ND		18	6.4	ug/Kg	✱	10/19/23 14:41	10/20/23 18:07	1
PCB-1232	ND		18	4.4	ug/Kg	✱	10/19/23 14:41	10/20/23 18:07	1
PCB-1242	ND		18	2.6	ug/Kg	✱	10/19/23 14:41	10/20/23 18:07	1
PCB-1248	ND		18	4.3	ug/Kg	✱	10/19/23 14:41	10/20/23 18:07	1
PCB-1254	ND		18	5.4	ug/Kg	✱	10/19/23 14:41	10/20/23 18:07	1
PCB-1260	ND		18	5.1	ug/Kg	✱	10/19/23 14:41	10/20/23 18:07	1
PCB-1262	ND		18	6.3	ug/Kg	✱	10/19/23 14:41	10/20/23 18:07	1
PCB-1268	ND		18	2.4	ug/Kg	✱	10/19/23 14:41	10/20/23 18:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	109		63 - 138	10/19/23 14:41	10/20/23 18:07	1
DCB Decachlorobiphenyl (Surr)	100		63 - 138	10/19/23 14:41	10/20/23 18:07	1
Tetrachloro-m-xylene (Surr)	95		55 - 135	10/19/23 14:41	10/20/23 18:07	1
Tetrachloro-m-xylene (Surr)	88		55 - 135	10/19/23 14:41	10/20/23 18:07	1

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Client Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-164020-1

Client Sample ID: EHS-ISMP-WC-D10

Lab Sample ID: 180-164020-4

Date Collected: 10/17/23 13:45

Matrix: Solid

Date Received: 10/18/23 09:38

Percent Solids: 90.7

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 EPA 9014)	ND	*+	0.39	0.30	mg/Kg	☆	10/25/23 15:00	10/25/23 16:45	1
Sulfide (SW846 EPA 9034)	12	J	32	11	mg/Kg	☆	10/24/23 17:30	10/24/23 19:26	1

Client Sample ID: EHS-ISMP-WC-D11

Lab Sample ID: 180-164020-5

Date Collected: 10/17/23 13:50

Matrix: Solid

Date Received: 10/18/23 09:38

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.20	0.012	mg/L			10/20/23 14:04	1
2-Butanone (MEK)	0.13	J *1 B	1.0	0.051	mg/L			10/20/23 14:04	1
Carbon tetrachloride	ND		0.20	0.018	mg/L			10/20/23 14:04	1
Chlorobenzene	ND		0.20	0.010	mg/L			10/20/23 14:04	1
Chloroform	ND		0.20	0.012	mg/L			10/20/23 14:04	1
1,2-Dichloroethane	ND		0.20	0.011	mg/L			10/20/23 14:04	1
1,1-Dichloroethene	ND		0.20	0.011	mg/L			10/20/23 14:04	1
Tetrachloroethene	ND		0.20	0.0093	mg/L			10/20/23 14:04	1
Trichloroethene	ND		0.20	0.014	mg/L			10/20/23 14:04	1
Vinyl chloride	ND		0.20	0.0081	mg/L			10/20/23 14:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	63		49 - 118		10/20/23 14:04	1
Dibromofluoromethane (Surr)	119		60 - 132		10/20/23 14:04	1
1,2-Dichloroethane-d4 (Surr)	105		52 - 151		10/20/23 14:04	1
Toluene-d8 (Surr)	111		53 - 124		10/20/23 14:04	1

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.050	0.0045	mg/L		10/20/23 02:23	10/20/23 17:06	1
2,4-Dinitrotoluene	ND		0.050	0.0079	mg/L		10/20/23 02:23	10/20/23 17:06	1
Hexachlorobenzene	ND		0.050	0.0055	mg/L		10/20/23 02:23	10/20/23 17:06	1
Hexachlorobutadiene	ND		0.050	0.0084	mg/L		10/20/23 02:23	10/20/23 17:06	1
Hexachloroethane	ND		0.050	0.0040	mg/L		10/20/23 02:23	10/20/23 17:06	1
2-Methylphenol	ND		0.050	0.0040	mg/L		10/20/23 02:23	10/20/23 17:06	1
Methylphenol, 3 & 4	ND		0.050	0.0079	mg/L		10/20/23 02:23	10/20/23 17:06	1
Nitrobenzene	ND		0.050	0.012	mg/L		10/20/23 02:23	10/20/23 17:06	1
Pentachlorophenol	ND		0.25	0.0075	mg/L		10/20/23 02:23	10/20/23 17:06	1
Pyridine	ND		0.10	0.0082	mg/L		10/20/23 02:23	10/20/23 17:06	1
2,4,5-Trichlorophenol	ND		0.050	0.0079	mg/L		10/20/23 02:23	10/20/23 17:06	1
2,4,6-Trichlorophenol	ND		0.050	0.0095	mg/L		10/20/23 02:23	10/20/23 17:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	76		55 - 105	10/20/23 02:23	10/20/23 17:06	1
2-Fluorophenol (Surr)	76		55 - 105	10/20/23 02:23	10/20/23 17:06	1
Nitrobenzene-d5 (Surr)	76		55 - 109	10/20/23 02:23	10/20/23 17:06	1
Phenol-d5 (Surr)	82		48 - 105	10/20/23 02:23	10/20/23 17:06	1
Terphenyl-d14 (Surr)	75		37 - 107	10/20/23 02:23	10/20/23 17:06	1
2,4,6-Tribromophenol (Surr)	78		32 - 115	10/20/23 02:23	10/20/23 17:06	1

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Client Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-164020-1

Client Sample ID: EHS-ISMP-WC-D11

Lab Sample ID: 180-164020-5

Date Collected: 10/17/23 13:50

Matrix: Solid

Date Received: 10/18/23 09:38

Method: SW846 EPA 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND	^1+	0.50	0.083	mg/L		10/20/23 08:34	10/23/23 16:59	1
Barium	0.54	J	2.0	0.063	mg/L		10/20/23 08:34	10/23/23 16:59	1
Cadmium	ND		0.50	0.0030	mg/L		10/20/23 08:34	10/23/23 16:59	1
Chromium	ND		0.50	0.016	mg/L		10/20/23 08:34	10/23/23 16:59	1
Lead	ND		0.50	0.044	mg/L		10/20/23 08:34	10/23/23 16:59	1
Selenium	ND		0.50	0.037	mg/L		10/20/23 08:34	10/23/23 16:59	1
Silver	0.0093	J B ^1+	0.50	0.0091	mg/L		10/20/23 08:34	10/23/23 16:59	1

Method: SW846 EPA 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		10/20/23 08:00	10/20/23 14:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate (SW846 1030)	ND		2.20	2.20	mm/sec			10/23/23 11:34	1
Percent Moisture (SM22 2540G)	7.5		0.1	0.1	%			10/20/23 09:21	1
Percent Solids (SM22 2540G)	92.5		0.1	0.1	%			10/20/23 09:21	1
pH (SW846 EPA 9045D)	9.1	HF	0.1	0.1	SU			10/24/23 14:47	1

Client Sample ID: EHS-ISMP-WC-D11

Lab Sample ID: 180-164020-5

Date Collected: 10/17/23 13:50

Matrix: Solid

Date Received: 10/18/23 09:38

Percent Solids: 92.5

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.7	ug/Kg	✱	10/19/23 14:41	10/20/23 18:25	1
PCB-1221	ND		17	6.2	ug/Kg	✱	10/19/23 14:41	10/20/23 18:25	1
PCB-1232	ND		17	4.2	ug/Kg	✱	10/19/23 14:41	10/20/23 18:25	1
PCB-1242	ND		17	2.6	ug/Kg	✱	10/19/23 14:41	10/20/23 18:25	1
PCB-1248	ND		17	4.2	ug/Kg	✱	10/19/23 14:41	10/20/23 18:25	1
PCB-1254	ND		17	5.2	ug/Kg	✱	10/19/23 14:41	10/20/23 18:25	1
PCB-1260	ND		17	5.0	ug/Kg	✱	10/19/23 14:41	10/20/23 18:25	1
PCB-1262	ND		17	6.1	ug/Kg	✱	10/19/23 14:41	10/20/23 18:25	1
PCB-1268	ND		17	2.3	ug/Kg	✱	10/19/23 14:41	10/20/23 18:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	106		63 - 138	10/19/23 14:41	10/20/23 18:25	1
DCB Decachlorobiphenyl (Surr)	96		63 - 138	10/19/23 14:41	10/20/23 18:25	1
Tetrachloro-m-xylene (Surr)	94		55 - 135	10/19/23 14:41	10/20/23 18:25	1
Tetrachloro-m-xylene (Surr)	89		55 - 135	10/19/23 14:41	10/20/23 18:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 EPA 9014)	ND	*+	0.40	0.30	mg/Kg	✱	10/25/23 15:00	10/25/23 16:46	1
Sulfide (SW846 EPA 9034)	ND		31	10	mg/Kg	✱	10/24/23 17:30	10/24/23 19:27	1

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Client Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-164020-1

Client Sample ID: EHS-ISMP-WC-D12

Lab Sample ID: 180-164020-6

Date Collected: 10/17/23 13:55

Matrix: Solid

Date Received: 10/18/23 09:38

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.20	0.012	mg/L			10/20/23 14:33	1
2-Butanone (MEK)	0.074	J *1 B	1.0	0.051	mg/L			10/20/23 14:33	1
Carbon tetrachloride	ND		0.20	0.018	mg/L			10/20/23 14:33	1
Chlorobenzene	ND		0.20	0.010	mg/L			10/20/23 14:33	1
Chloroform	ND		0.20	0.012	mg/L			10/20/23 14:33	1
1,2-Dichloroethane	ND		0.20	0.011	mg/L			10/20/23 14:33	1
1,1-Dichloroethene	ND		0.20	0.011	mg/L			10/20/23 14:33	1
Tetrachloroethene	ND		0.20	0.0093	mg/L			10/20/23 14:33	1
Trichloroethene	ND		0.20	0.014	mg/L			10/20/23 14:33	1
Vinyl chloride	ND		0.20	0.0081	mg/L			10/20/23 14:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	65		49 - 118		10/20/23 14:33	1
Dibromofluoromethane (Surr)	115		60 - 132		10/20/23 14:33	1
1,2-Dichloroethane-d4 (Surr)	105		52 - 151		10/20/23 14:33	1
Toluene-d8 (Surr)	104		53 - 124		10/20/23 14:33	1

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.050	0.0045	mg/L		10/20/23 02:23	10/23/23 10:41	1
2,4-Dinitrotoluene	ND		0.050	0.0079	mg/L		10/20/23 02:23	10/23/23 10:41	1
Hexachlorobenzene	ND		0.050	0.0055	mg/L		10/20/23 02:23	10/23/23 10:41	1
Hexachlorobutadiene	ND		0.050	0.0084	mg/L		10/20/23 02:23	10/23/23 10:41	1
Hexachloroethane	ND		0.050	0.0040	mg/L		10/20/23 02:23	10/23/23 10:41	1
2-Methylphenol	ND		0.050	0.0040	mg/L		10/20/23 02:23	10/23/23 10:41	1
Methylphenol, 3 & 4	ND		0.050	0.0079	mg/L		10/20/23 02:23	10/23/23 10:41	1
Nitrobenzene	ND		0.050	0.012	mg/L		10/20/23 02:23	10/23/23 10:41	1
Pentachlorophenol	ND		0.25	0.0075	mg/L		10/20/23 02:23	10/23/23 10:41	1
Pyridine	ND		0.10	0.0082	mg/L		10/20/23 02:23	10/23/23 10:41	1
2,4,5-Trichlorophenol	ND		0.050	0.0079	mg/L		10/20/23 02:23	10/23/23 10:41	1
2,4,6-Trichlorophenol	ND		0.050	0.0095	mg/L		10/20/23 02:23	10/23/23 10:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	67		55 - 105	10/20/23 02:23	10/23/23 10:41	1
2-Fluorophenol (Surr)	62		55 - 105	10/20/23 02:23	10/23/23 10:41	1
Nitrobenzene-d5 (Surr)	65		55 - 109	10/20/23 02:23	10/23/23 10:41	1
Phenol-d5 (Surr)	62		48 - 105	10/20/23 02:23	10/23/23 10:41	1
Terphenyl-d14 (Surr)	53		37 - 107	10/20/23 02:23	10/23/23 10:41	1
2,4,6-Tribromophenol (Surr)	72		32 - 115	10/20/23 02:23	10/23/23 10:41	1

Method: SW846 EPA 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND	^1+	0.50	0.083	mg/L		10/20/23 08:34	10/23/23 17:05	1
Barium	0.76	J	2.0	0.063	mg/L		10/20/23 08:34	10/23/23 17:05	1
Cadmium	ND		0.50	0.0030	mg/L		10/20/23 08:34	10/23/23 17:05	1
Chromium	ND		0.50	0.016	mg/L		10/20/23 08:34	10/23/23 17:05	1
Lead	ND		0.50	0.044	mg/L		10/20/23 08:34	10/23/23 17:05	1
Selenium	ND		0.50	0.037	mg/L		10/20/23 08:34	10/23/23 17:05	1
Silver	ND	^1+	0.50	0.0091	mg/L		10/20/23 08:34	10/23/23 17:05	1

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Client Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-164020-1

Client Sample ID: EHS-ISMP-WC-D12

Lab Sample ID: 180-164020-6

Date Collected: 10/17/23 13:55

Matrix: Solid

Date Received: 10/18/23 09:38

Method: SW846 EPA 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		10/20/23 08:00	10/20/23 14:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate (SW846 1030)	ND		2.20	2.20	mm/sec			10/23/23 11:34	1
Percent Moisture (SM22 2540G)	5.0		0.1	0.1	%			10/20/23 09:21	1
Percent Solids (SM22 2540G)	95.0		0.1	0.1	%			10/20/23 09:21	1
pH (SW846 EPA 9045D)	9.1	HF	0.1	0.1	SU			10/24/23 14:53	1

Client Sample ID: EHS-ISMP-WC-D12

Lab Sample ID: 180-164020-6

Date Collected: 10/17/23 13:55

Matrix: Solid

Date Received: 10/18/23 09:38

Percent Solids: 95.0

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.7	ug/Kg	✧	10/19/23 14:41	10/20/23 18:42	1
PCB-1221	ND		17	6.2	ug/Kg	✧	10/19/23 14:41	10/20/23 18:42	1
PCB-1232	ND		17	4.2	ug/Kg	✧	10/19/23 14:41	10/20/23 18:42	1
PCB-1242	ND		17	2.6	ug/Kg	✧	10/19/23 14:41	10/20/23 18:42	1
PCB-1248	ND		17	4.2	ug/Kg	✧	10/19/23 14:41	10/20/23 18:42	1
PCB-1254	540		17	5.2	ug/Kg	✧	10/19/23 14:41	10/20/23 18:42	1
PCB-1260	270		17	5.0	ug/Kg	✧	10/19/23 14:41	10/20/23 18:42	1
PCB-1262	ND		17	6.1	ug/Kg	✧	10/19/23 14:41	10/20/23 18:42	1
PCB-1268	ND		17	2.3	ug/Kg	✧	10/19/23 14:41	10/20/23 18:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	108		63 - 138	10/19/23 14:41	10/20/23 18:42	1
DCB Decachlorobiphenyl (Surr)	102		63 - 138	10/19/23 14:41	10/20/23 18:42	1
Tetrachloro-m-xylene (Surr)	94		55 - 135	10/19/23 14:41	10/20/23 18:42	1
Tetrachloro-m-xylene (Surr)	90		55 - 135	10/19/23 14:41	10/20/23 18:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 EPA 9014)	ND	*+	0.46	0.35	mg/Kg	✧	10/25/23 15:00	10/25/23 16:48	1
Sulfide (SW846 EPA 9034)	ND		30	10	mg/Kg	✧	10/24/23 17:30	10/24/23 19:29	1

Client Sample ID: EHS-ISMP-WC-D13

Lab Sample ID: 180-164020-7

Date Collected: 10/17/23 14:00

Matrix: Solid

Date Received: 10/18/23 09:38

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.20	0.012	mg/L			10/20/23 15:02	1
2-Butanone (MEK)	0.080	J *1 B	1.0	0.051	mg/L			10/20/23 15:02	1
Carbon tetrachloride	ND		0.20	0.018	mg/L			10/20/23 15:02	1
Chlorobenzene	ND		0.20	0.010	mg/L			10/20/23 15:02	1
Chloroform	ND		0.20	0.012	mg/L			10/20/23 15:02	1
1,2-Dichloroethane	ND		0.20	0.011	mg/L			10/20/23 15:02	1
1,1-Dichloroethene	ND		0.20	0.011	mg/L			10/20/23 15:02	1
Tetrachloroethene	ND		0.20	0.0093	mg/L			10/20/23 15:02	1
Trichloroethene	ND		0.20	0.014	mg/L			10/20/23 15:02	1

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Client Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-164020-1

Client Sample ID: EHS-ISMP-WC-D13

Lab Sample ID: 180-164020-7

Date Collected: 10/17/23 14:00

Matrix: Solid

Date Received: 10/18/23 09:38

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.20	0.0081	mg/L			10/20/23 15:02	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	68		49 - 118					10/20/23 15:02	1
Dibromofluoromethane (Surr)	113		60 - 132					10/20/23 15:02	1
1,2-Dichloroethane-d4 (Surr)	102		52 - 151					10/20/23 15:02	1
Toluene-d8 (Surr)	101		53 - 124					10/20/23 15:02	1

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.050	0.0045	mg/L		10/20/23 02:23	10/23/23 11:03	1
2,4-Dinitrotoluene	ND		0.050	0.0079	mg/L		10/20/23 02:23	10/23/23 11:03	1
Hexachlorobenzene	ND		0.050	0.0055	mg/L		10/20/23 02:23	10/23/23 11:03	1
Hexachlorobutadiene	ND		0.050	0.0084	mg/L		10/20/23 02:23	10/23/23 11:03	1
Hexachloroethane	ND		0.050	0.0040	mg/L		10/20/23 02:23	10/23/23 11:03	1
2-Methylphenol	ND		0.050	0.0040	mg/L		10/20/23 02:23	10/23/23 11:03	1
Methylphenol, 3 & 4	ND		0.050	0.0079	mg/L		10/20/23 02:23	10/23/23 11:03	1
Nitrobenzene	ND		0.050	0.012	mg/L		10/20/23 02:23	10/23/23 11:03	1
Pentachlorophenol	ND		0.25	0.0075	mg/L		10/20/23 02:23	10/23/23 11:03	1
Pyridine	ND		0.10	0.0082	mg/L		10/20/23 02:23	10/23/23 11:03	1
2,4,5-Trichlorophenol	ND		0.050	0.0079	mg/L		10/20/23 02:23	10/23/23 11:03	1
2,4,6-Trichlorophenol	ND		0.050	0.0095	mg/L		10/20/23 02:23	10/23/23 11:03	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	70		55 - 105				10/20/23 02:23	10/23/23 11:03	1
2-Fluorophenol (Surr)	58		55 - 105				10/20/23 02:23	10/23/23 11:03	1
Nitrobenzene-d5 (Surr)	65		55 - 109				10/20/23 02:23	10/23/23 11:03	1
Phenol-d5 (Surr)	57		48 - 105				10/20/23 02:23	10/23/23 11:03	1
Terphenyl-d14 (Surr)	55		37 - 107				10/20/23 02:23	10/23/23 11:03	1
2,4,6-Tribromophenol (Surr)	73		32 - 115				10/20/23 02:23	10/23/23 11:03	1

Method: SW846 EPA 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND	^1+	0.50	0.083	mg/L		10/20/23 08:34	10/23/23 17:10	1
Barium	0.75	J	2.0	0.063	mg/L		10/20/23 08:34	10/23/23 17:10	1
Cadmium	ND		0.50	0.0030	mg/L		10/20/23 08:34	10/23/23 17:10	1
Chromium	ND		0.50	0.016	mg/L		10/20/23 08:34	10/23/23 17:10	1
Lead	ND		0.50	0.044	mg/L		10/20/23 08:34	10/23/23 17:10	1
Selenium	ND		0.50	0.037	mg/L		10/20/23 08:34	10/23/23 17:10	1
Silver	0.0096	J B ^1+	0.50	0.0091	mg/L		10/20/23 08:34	10/23/23 17:10	1

Method: SW846 EPA 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		10/20/23 08:00	10/20/23 14:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate (SW846 1030)	ND		2.20	2.20	mm/sec			10/23/23 11:34	1
Percent Moisture (SM22 2540G)	6.3		0.1	0.1	%			10/20/23 09:21	1
Percent Solids (SM22 2540G)	93.7		0.1	0.1	%			10/20/23 09:21	1
pH (SW846 EPA 9045D)	8.7	HF	0.1	0.1	SU			10/24/23 14:58	1

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Client Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-164020-1

Client Sample ID: EHS-ISMP-WC-D13

Lab Sample ID: 180-164020-7

Date Collected: 10/17/23 14:00

Matrix: Solid

Date Received: 10/18/23 09:38

Percent Solids: 93.7

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.8	ug/Kg	✧	10/19/23 14:41	10/20/23 19:00	1
PCB-1221	ND		18	6.3	ug/Kg	✧	10/19/23 14:41	10/20/23 19:00	1
PCB-1232	ND		18	4.3	ug/Kg	✧	10/19/23 14:41	10/20/23 19:00	1
PCB-1242	ND		18	2.6	ug/Kg	✧	10/19/23 14:41	10/20/23 19:00	1
PCB-1248	ND		18	4.3	ug/Kg	✧	10/19/23 14:41	10/20/23 19:00	1
PCB-1254	370		18	5.3	ug/Kg	✧	10/19/23 14:41	10/20/23 19:00	1
PCB-1260	170		18	5.1	ug/Kg	✧	10/19/23 14:41	10/20/23 19:00	1
PCB-1262	ND		18	6.3	ug/Kg	✧	10/19/23 14:41	10/20/23 19:00	1
PCB-1268	ND		18	2.4	ug/Kg	✧	10/19/23 14:41	10/20/23 19:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	108		63 - 138	10/19/23 14:41	10/20/23 19:00	1
DCB Decachlorobiphenyl (Surr)	103		63 - 138	10/19/23 14:41	10/20/23 19:00	1
Tetrachloro-m-xylene (Surr)	91		55 - 135	10/19/23 14:41	10/20/23 19:00	1
Tetrachloro-m-xylene (Surr)	86		55 - 135	10/19/23 14:41	10/20/23 19:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 EPA 9014)	ND	*+	0.37	0.28	mg/Kg	✧	10/25/23 15:00	10/25/23 16:49	1
Sulfide (SW846 EPA 9034)	ND		32	11	mg/Kg	✧	10/24/23 17:30	10/24/23 19:31	1

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QC Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-164020-1

Method: EPA 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 180-449698/8

Matrix: Solid

Analysis Batch: 449698

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.010	0.00060	mg/L			10/20/23 11:07	1
2-Butanone (MEK)	ND		0.050	0.0026	mg/L			10/20/23 11:07	1
Carbon tetrachloride	ND		0.010	0.00088	mg/L			10/20/23 11:07	1
Chlorobenzene	ND		0.010	0.00050	mg/L			10/20/23 11:07	1
Chloroform	ND		0.010	0.00060	mg/L			10/20/23 11:07	1
1,2-Dichloroethane	ND		0.010	0.00057	mg/L			10/20/23 11:07	1
1,1-Dichloroethene	ND		0.010	0.00055	mg/L			10/20/23 11:07	1
Tetrachloroethene	ND		0.010	0.00047	mg/L			10/20/23 11:07	1
Trichloroethene	ND		0.010	0.00069	mg/L			10/20/23 11:07	1
Vinyl chloride	ND		0.010	0.00041	mg/L			10/20/23 11:07	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	71		49 - 118		10/20/23 11:07	1
Dibromofluoromethane (Surr)	107		60 - 132		10/20/23 11:07	1
1,2-Dichloroethane-d4 (Surr)	101		52 - 151		10/20/23 11:07	1
Toluene-d8 (Surr)	103		53 - 124		10/20/23 11:07	1

Lab Sample ID: LCS 180-449698/5

Matrix: Solid

Analysis Batch: 449698

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.0100	0.0103		mg/L		103	68 - 122
2-Butanone (MEK)	0.0100	0.00940	J	mg/L		94	35 - 158
Carbon tetrachloride	0.0100	0.00992	J	mg/L		99	60 - 135
Chlorobenzene	0.0100	0.0100		mg/L		100	72 - 123
Chloroform	0.0100	0.0109		mg/L		109	62 - 121
1,2-Dichloroethane	0.0100	0.0104		mg/L		104	57 - 149
1,1-Dichloroethene	0.0100	0.00727	J	mg/L		73	49 - 132
Tetrachloroethene	0.0100	0.00893	J	mg/L		89	60 - 129
Trichloroethene	0.0100	0.00989	J	mg/L		99	67 - 121
Vinyl chloride	0.0100	0.00665	J	mg/L		67	47 - 147

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	82		49 - 118
Dibromofluoromethane (Surr)	110		60 - 132
1,2-Dichloroethane-d4 (Surr)	103		52 - 151
Toluene-d8 (Surr)	102		53 - 124

Lab Sample ID: LCSD 180-449698/6

Matrix: Solid

Analysis Batch: 449698

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.0100	0.00949	J	mg/L		95	68 - 122	8	21
2-Butanone (MEK)	0.0100	0.0135	J *1	mg/L		135	35 - 158	36	35
Carbon tetrachloride	0.0100	0.00939	J	mg/L		94	60 - 135	5	25
Chlorobenzene	0.0100	0.00998	J	mg/L		100	72 - 123	1	19

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QC Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-164020-1

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

Lab Sample ID: LCSD 180-449698/6

Matrix: Solid

Analysis Batch: 449698

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloroform	0.0100	0.0107		mg/L		107	62 - 121	2	22
1,2-Dichloroethane	0.0100	0.00886	J	mg/L		89	57 - 149	16	27
1,1-Dichloroethene	0.0100	0.00701	J	mg/L		70	49 - 132	4	23
Tetrachloroethene	0.0100	0.00868	J	mg/L		87	60 - 129	3	22
Trichloroethene	0.0100	0.0106		mg/L		106	67 - 121	7	23
Vinyl chloride	0.0100	0.00633	J	mg/L		63	47 - 147	5	25

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	87		49 - 118
Dibromofluoromethane (Surr)	102		60 - 132
1,2-Dichloroethane-d4 (Surr)	107		52 - 151
Toluene-d8 (Surr)	107		53 - 124

Lab Sample ID: LB 180-449562/1-A

Matrix: Solid

Analysis Batch: 449698

Client Sample ID: Method Blank

Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.20	0.012	mg/L			10/20/23 11:37	1
2-Butanone (MEK)	0.115	J	1.0	0.051	mg/L			10/20/23 11:37	1
Carbon tetrachloride	ND		0.20	0.018	mg/L			10/20/23 11:37	1
Chlorobenzene	ND		0.20	0.010	mg/L			10/20/23 11:37	1
Chloroform	ND		0.20	0.012	mg/L			10/20/23 11:37	1
1,2-Dichloroethane	ND		0.20	0.011	mg/L			10/20/23 11:37	1
1,1-Dichloroethene	ND		0.20	0.011	mg/L			10/20/23 11:37	1
Tetrachloroethene	ND		0.20	0.0093	mg/L			10/20/23 11:37	1
Trichloroethene	ND		0.20	0.014	mg/L			10/20/23 11:37	1
Vinyl chloride	ND		0.20	0.0081	mg/L			10/20/23 11:37	1

Surrogate	LB %Recovery	LB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	72		49 - 118		10/20/23 11:37	1
Dibromofluoromethane (Surr)	108		60 - 132		10/20/23 11:37	1
1,2-Dichloroethane-d4 (Surr)	101		52 - 151		10/20/23 11:37	1
Toluene-d8 (Surr)	105		53 - 124		10/20/23 11:37	1

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

Lab Sample ID: MB 180-449744/1-A

Matrix: Solid

Analysis Batch: 449775

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 449744

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.050	0.0045	mg/L		10/20/23 02:23	10/20/23 11:05	1
2,4-Dinitrotoluene	ND		0.050	0.0079	mg/L		10/20/23 02:23	10/20/23 11:05	1
Hexachlorobenzene	ND		0.050	0.0055	mg/L		10/20/23 02:23	10/20/23 11:05	1
Hexachlorobutadiene	ND		0.050	0.0084	mg/L		10/20/23 02:23	10/20/23 11:05	1
Hexachloroethane	ND		0.050	0.0040	mg/L		10/20/23 02:23	10/20/23 11:05	1
2-Methylphenol	ND		0.050	0.0040	mg/L		10/20/23 02:23	10/20/23 11:05	1

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QC Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-164020-1

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

Lab Sample ID: MB 180-449744/1-A

Matrix: Solid

Analysis Batch: 449775

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 449744

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylphenol, 3 & 4	ND		0.050	0.0079	mg/L		10/20/23 02:23	10/20/23 11:05	1
Nitrobenzene	ND		0.050	0.012	mg/L		10/20/23 02:23	10/20/23 11:05	1
Pentachlorophenol	ND		0.25	0.0075	mg/L		10/20/23 02:23	10/20/23 11:05	1
Pyridine	ND		0.10	0.0082	mg/L		10/20/23 02:23	10/20/23 11:05	1
2,4,5-Trichlorophenol	ND		0.050	0.0079	mg/L		10/20/23 02:23	10/20/23 11:05	1
2,4,6-Trichlorophenol	ND		0.050	0.0095	mg/L		10/20/23 02:23	10/20/23 11:05	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	74		55 - 105	10/20/23 02:23	10/20/23 11:05	1
2-Fluorophenol (Surr)	81		55 - 105	10/20/23 02:23	10/20/23 11:05	1
Nitrobenzene-d5 (Surr)	83		55 - 109	10/20/23 02:23	10/20/23 11:05	1
Phenol-d5 (Surr)	90		48 - 105	10/20/23 02:23	10/20/23 11:05	1
Terphenyl-d14 (Surr)	81		37 - 107	10/20/23 02:23	10/20/23 11:05	1
2,4,6-Tribromophenol (Surr)	67		32 - 115	10/20/23 02:23	10/20/23 11:05	1

Lab Sample ID: LCS 180-449744/2-A

Matrix: Solid

Analysis Batch: 449775

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 449744

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dichlorobenzene	0.250	0.195		mg/L		78	61 - 100
2,4-Dinitrotoluene	0.250	0.169		mg/L		68	43 - 100
Hexachlorobenzene	0.250	0.162		mg/L		65	34 - 100
Hexachlorobutadiene	0.250	0.188		mg/L		75	52 - 110
Hexachloroethane	0.250	0.207		mg/L		83	56 - 100
2-Methylphenol	0.250	0.227		mg/L		91	56 - 100
Methylphenol, 3 & 4	0.500	0.454		mg/L		91	59 - 100
Nitrobenzene	0.250	0.220		mg/L		88	60 - 100
Pentachlorophenol	0.250	0.132	J	mg/L		53	14 - 112
Pyridine	0.250	0.230		mg/L		92	54 - 107
2,4,5-Trichlorophenol	0.250	0.192		mg/L		77	53 - 104
2,4,6-Trichlorophenol	0.250	0.184		mg/L		73	53 - 103

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	76		55 - 105
2-Fluorophenol (Surr)	83		55 - 105
Nitrobenzene-d5 (Surr)	82		55 - 109
Phenol-d5 (Surr)	84		48 - 105
Terphenyl-d14 (Surr)	81		37 - 107
2,4,6-Tribromophenol (Surr)	69		32 - 115

Lab Sample ID: LCSD 180-449744/3-A

Matrix: Solid

Analysis Batch: 449775

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 449744

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dichlorobenzene	0.250	0.214		mg/L		86	61 - 100	9	15
2,4-Dinitrotoluene	0.250	0.179		mg/L		72	43 - 100	6	15

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QC Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-164020-1

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

Lab Sample ID: LCSD 180-449744/3-A

Matrix: Solid

Analysis Batch: 449775

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 449744

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Hexachlorobenzene	0.250	0.178		mg/L		71	34 - 100	9	15
Hexachlorobutadiene	0.250	0.200		mg/L		80	52 - 110	6	15
Hexachloroethane	0.250	0.207		mg/L		83	56 - 100	0	15
2-Methylphenol	0.250	0.240		mg/L		96	56 - 100	6	15
Methylphenol, 3 & 4	0.500	0.486		mg/L		97	59 - 100	7	15
Nitrobenzene	0.250	0.228		mg/L		91	60 - 100	3	15
Pentachlorophenol	0.250	0.146	J	mg/L		58	14 - 112	10	18
Pyridine	0.250	0.241		mg/L		96	54 - 107	4	15
2,4,5-Trichlorophenol	0.250	0.204		mg/L		82	53 - 104	6	15
2,4,6-Trichlorophenol	0.250	0.204		mg/L		81	53 - 103	10	15

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
2-Fluorobiphenyl	82		55 - 105
2-Fluorophenol (Surr)	90		55 - 105
Nitrobenzene-d5 (Surr)	88		55 - 109
Phenol-d5 (Surr)	94		48 - 105
Terphenyl-d14 (Surr)	84		37 - 107
2,4,6-Tribromophenol (Surr)	76		32 - 115

Lab Sample ID: LB 180-449582/1-E

Matrix: Solid

Analysis Batch: 449775

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 449744

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.050	0.0045	mg/L		10/20/23 02:23	10/20/23 12:10	1
2,4-Dinitrotoluene	ND		0.050	0.0079	mg/L		10/20/23 02:23	10/20/23 12:10	1
Hexachlorobenzene	ND		0.050	0.0055	mg/L		10/20/23 02:23	10/20/23 12:10	1
Hexachlorobutadiene	ND		0.050	0.0084	mg/L		10/20/23 02:23	10/20/23 12:10	1
Hexachloroethane	ND		0.050	0.0040	mg/L		10/20/23 02:23	10/20/23 12:10	1
2-Methylphenol	ND		0.050	0.0040	mg/L		10/20/23 02:23	10/20/23 12:10	1
Methylphenol, 3 & 4	ND		0.050	0.0079	mg/L		10/20/23 02:23	10/20/23 12:10	1
Nitrobenzene	ND		0.050	0.012	mg/L		10/20/23 02:23	10/20/23 12:10	1
Pentachlorophenol	ND		0.25	0.0075	mg/L		10/20/23 02:23	10/20/23 12:10	1
Pyridine	ND		0.10	0.0082	mg/L		10/20/23 02:23	10/20/23 12:10	1
2,4,5-Trichlorophenol	ND		0.050	0.0079	mg/L		10/20/23 02:23	10/20/23 12:10	1
2,4,6-Trichlorophenol	ND		0.050	0.0095	mg/L		10/20/23 02:23	10/20/23 12:10	1

Surrogate	LB %Recovery	LB Qualifier	LB Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	77		55 - 105	10/20/23 02:23	10/20/23 12:10	1
2-Fluorophenol (Surr)	87		55 - 105	10/20/23 02:23	10/20/23 12:10	1
Nitrobenzene-d5 (Surr)	84		55 - 109	10/20/23 02:23	10/20/23 12:10	1
Phenol-d5 (Surr)	89		48 - 105	10/20/23 02:23	10/20/23 12:10	1
Terphenyl-d14 (Surr)	83		37 - 107	10/20/23 02:23	10/20/23 12:10	1
2,4,6-Tribromophenol (Surr)	66		32 - 115	10/20/23 02:23	10/20/23 12:10	1

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QC Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-164020-1

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

Lab Sample ID: MB 180-449713/1-C

Matrix: Solid

Analysis Batch: 449764

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 449713

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.4	ug/Kg		10/19/23 14:41	10/20/23 16:21	1
PCB-1221	ND		17	5.9	ug/Kg		10/19/23 14:41	10/20/23 16:21	1
PCB-1232	ND		17	4.1	ug/Kg		10/19/23 14:41	10/20/23 16:21	1
PCB-1242	ND		17	2.4	ug/Kg		10/19/23 14:41	10/20/23 16:21	1
PCB-1248	ND		17	4.0	ug/Kg		10/19/23 14:41	10/20/23 16:21	1
PCB-1254	ND		17	5.0	ug/Kg		10/19/23 14:41	10/20/23 16:21	1
PCB-1260	ND		17	4.7	ug/Kg		10/19/23 14:41	10/20/23 16:21	1
PCB-1262	ND		17	5.9	ug/Kg		10/19/23 14:41	10/20/23 16:21	1
PCB-1268	ND		17	2.2	ug/Kg		10/19/23 14:41	10/20/23 16:21	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	102		63 - 138	10/19/23 14:41	10/20/23 16:21	1
DCB Decachlorobiphenyl (Surr)	91		63 - 138	10/19/23 14:41	10/20/23 16:21	1
Tetrachloro-m-xylene (Surr)	78		55 - 135	10/19/23 14:41	10/20/23 16:21	1
Tetrachloro-m-xylene (Surr)	83		55 - 135	10/19/23 14:41	10/20/23 16:21	1

Lab Sample ID: LCS 180-449713/2-A

Matrix: Solid

Analysis Batch: 449764

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 449713

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	1330	1060		ug/Kg		79	43 - 136
PCB-1260	1330	913		ug/Kg		68	55 - 128

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	97		63 - 138
DCB Decachlorobiphenyl (Surr)	90		63 - 138
Tetrachloro-m-xylene (Surr)	85		55 - 135
Tetrachloro-m-xylene (Surr)	81		55 - 135

Lab Sample ID: 180-164020-1 MS

Matrix: Solid

Analysis Batch: 449764

Client Sample ID: EHS-ISMP-WC-D7

Prep Type: Total/NA

Prep Batch: 449713

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	ND	F2	1450	672		ug/Kg	⊛	46	43 - 136
PCB-1260	ND		1450	893		ug/Kg	⊛	62	55 - 128

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	99		63 - 138
DCB Decachlorobiphenyl (Surr)	93		63 - 138
Tetrachloro-m-xylene (Surr)	41	S1-	55 - 135
Tetrachloro-m-xylene (Surr)	40	S1-	55 - 135

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QC Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-164020-1

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

Lab Sample ID: 180-164020-1 MSD

Matrix: Solid

Analysis Batch: 449764

Client Sample ID: EHS-ISMP-WC-D7

Prep Type: Total/NA

Prep Batch: 449713

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016	ND	F2	1470	1200	F2	ug/Kg	☼	82	43 - 136	56	40
PCB-1260	ND		1470	1050		ug/Kg	☼	72	55 - 128	17	32
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
DCB Decachlorobiphenyl (Surr)	103		63 - 138								
DCB Decachlorobiphenyl (Surr)	97		63 - 138								
Tetrachloro-m-xylene (Surr)	89		55 - 135								
Tetrachloro-m-xylene (Surr)	87		55 - 135								

Method: EPA 6010D - Metals (ICP)

Lab Sample ID: MB 180-449724/1-A

Matrix: Solid

Analysis Batch: 450023

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 449724

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND	^1+	0.050	0.0083	mg/L		10/20/23 08:34	10/23/23 15:41	1
Barium	ND		0.20	0.0063	mg/L		10/20/23 08:34	10/23/23 15:41	1
Cadmium	ND		0.050	0.00030	mg/L		10/20/23 08:34	10/23/23 15:41	1
Chromium	ND		0.050	0.0016	mg/L		10/20/23 08:34	10/23/23 15:41	1
Lead	ND		0.050	0.0044	mg/L		10/20/23 08:34	10/23/23 15:41	1
Selenium	ND		0.050	0.0037	mg/L		10/20/23 08:34	10/23/23 15:41	1
Silver	0.00110	J ^1+	0.050	0.00091	mg/L		10/20/23 08:34	10/23/23 15:41	1

Lab Sample ID: LCS 180-449724/2-A

Matrix: Solid

Analysis Batch: 450023

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 449724

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	1.00	0.921	^1+	mg/L		92	80 - 120
Barium	1.00	0.974		mg/L		97	80 - 120
Cadmium	0.500	0.452		mg/L		90	80 - 120
Chromium	0.500	0.482		mg/L		96	80 - 120
Lead	0.500	0.464		mg/L		93	80 - 120
Selenium	1.00	0.924		mg/L		92	80 - 120
Silver	0.250	0.249	^1+	mg/L		100	80 - 120

Lab Sample ID: LB 180-449582/1-B

Matrix: Solid

Analysis Batch: 450023

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 449724

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND	^1+	0.50	0.083	mg/L		10/20/23 08:34	10/23/23 15:52	1
Barium	ND		2.0	0.063	mg/L		10/20/23 08:34	10/23/23 15:52	1
Cadmium	ND		0.50	0.0030	mg/L		10/20/23 08:34	10/23/23 15:52	1
Chromium	ND		0.50	0.016	mg/L		10/20/23 08:34	10/23/23 15:52	1
Lead	ND		0.50	0.044	mg/L		10/20/23 08:34	10/23/23 15:52	1
Selenium	ND		0.50	0.037	mg/L		10/20/23 08:34	10/23/23 15:52	1
Silver	ND	^1+	0.50	0.0091	mg/L		10/20/23 08:34	10/23/23 15:52	1

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QC Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-164020-1

Method: EPA 6010D - Metals (ICP)

Lab Sample ID: 180-164020-1 MS

Matrix: Solid

Analysis Batch: 450023

Client Sample ID: EHS-ISMP-WC-D7

Prep Type: TCLP

Prep Batch: 449724

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	ND	^1+	2.50	2.27	^1+	mg/L		91	75 - 125
Barium	0.71	J	25.0	25.0		mg/L		97	75 - 125
Cadmium	ND		0.500	0.464	J	mg/L		93	75 - 125
Chromium	ND		2.50	2.51		mg/L		100	75 - 125
Lead	ND		2.50	2.37		mg/L		95	75 - 125
Selenium	ND		0.500	0.461	J	mg/L		92	75 - 125
Silver	ND	^1+	0.500	0.511	^1+	mg/L		102	75 - 125

Lab Sample ID: 180-164020-1 MSD

Matrix: Solid

Analysis Batch: 450023

Client Sample ID: EHS-ISMP-WC-D7

Prep Type: TCLP

Prep Batch: 449724

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	ND	^1+	2.50	2.01	^1+	mg/L		80	75 - 125	12	20
Barium	0.71	J	25.0	21.9		mg/L		85	75 - 125	13	20
Cadmium	ND		0.500	0.408	J	mg/L		82	75 - 125	13	20
Chromium	ND		2.50	2.21		mg/L		89	75 - 125	13	20
Lead	ND		2.50	2.08		mg/L		83	75 - 125	13	20
Selenium	ND		0.500	0.419	J	mg/L		84	75 - 125	9	20
Silver	ND	^1+	0.500	0.460	J ^1+	mg/L		92	75 - 125	10	20

Method: EPA 7470A - Mercury (CVAA)

Lab Sample ID: MB 180-449763/1-A

Matrix: Solid

Analysis Batch: 449816

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 449763

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		10/20/23 08:00	10/20/23 14:00	1

Lab Sample ID: LCS 180-449763/2-A

Matrix: Solid

Analysis Batch: 449816

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 449763

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00250	0.00217		mg/L		87	80 - 120

Lab Sample ID: LB 180-449582/1-G

Matrix: Solid

Analysis Batch: 449816

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 449763

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		10/20/23 08:00	10/20/23 14:02	1

Lab Sample ID: 180-164020-1 MS

Matrix: Solid

Analysis Batch: 449816

Client Sample ID: EHS-ISMP-WC-D7

Prep Type: TCLP

Prep Batch: 449763

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	ND		0.0100	0.00854		mg/L		85	75 - 125

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QC Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-164020-1

Method: EPA 7470A - Mercury (CVAA)

Lab Sample ID: 180-164020-1 MSD

Matrix: Solid

Analysis Batch: 449816

Client Sample ID: EHS-ISMP-WC-D7

Prep Type: TCLP

Prep Batch: 449763

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND		0.0100	0.00856		mg/L		86	75 - 125	0	20

Method: 1030 - Ignitability, Solids

Lab Sample ID: 180-164020-1 DU

Matrix: Solid

Analysis Batch: 939993

Client Sample ID: EHS-ISMP-WC-D7

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Burn Rate	ND		ND		mm/sec		NC	10

Method: EPA 9014 - Cyanide

Lab Sample ID: MB 180-450213/4-A

Matrix: Solid

Analysis Batch: 450233

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 450213

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.50	0.38	mg/Kg		10/25/23 15:00	10/25/23 16:40	1

Lab Sample ID: HLCS 180-450213/2-A

Matrix: Solid

Analysis Batch: 450233

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 450213

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.250	0.248		mg/Kg		99	90 - 110

Lab Sample ID: LCS 180-450213/3-A

Matrix: Solid

Analysis Batch: 450233

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 450213

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	120	94.9		mg/Kg		79	17 - 163

Lab Sample ID: LLCS 180-450213/1-A

Matrix: Solid

Analysis Batch: 450233

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 450213

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.0500	0.0554	*+	mg/Kg		111	90 - 110

Lab Sample ID: 180-164020-1 MS

Matrix: Solid

Analysis Batch: 450233

Client Sample ID: EHS-ISMP-WC-D7

Prep Type: Total/NA

Prep Batch: 450213

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	ND	*+	3.55	3.13		mg/Kg	✱	88	75 - 125

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QC Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-164020-1

Method: EPA 9014 - Cyanide (Continued)

Lab Sample ID: 180-164020-1 MSD

Matrix: Solid

Analysis Batch: 450233

Client Sample ID: EHS-ISMP-WC-D7

Prep Type: Total/NA

Prep Batch: 450213

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Total	ND	++	3.93	3.44		mg/Kg	☆	87	75 - 125	9	20

Method: EPA 9034 - Sulfide, Acid soluble and Insoluble (Titrimetric)

Lab Sample ID: MB 180-450100/1-A

Matrix: Solid

Analysis Batch: 450108

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 450100

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	ND		30	10	mg/Kg		10/24/23 17:30	10/24/23 19:05	1

Lab Sample ID: LCS 180-450100/2-A

Matrix: Solid

Analysis Batch: 450108

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 450100

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	163	142		mg/Kg		87	85 - 115

Lab Sample ID: 180-164020-1 MS

Matrix: Solid

Analysis Batch: 450108

Client Sample ID: EHS-ISMP-WC-D7

Prep Type: Total/NA

Prep Batch: 450100

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	ND		177	161		mg/Kg	☆	91	75 - 125

Lab Sample ID: 180-164020-1 MSD

Matrix: Solid

Analysis Batch: 450108

Client Sample ID: EHS-ISMP-WC-D7

Prep Type: Total/NA

Prep Batch: 450100

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide	ND		179	169		mg/Kg	☆	95	75 - 125	5	20

Method: EPA 9045D - pH

Lab Sample ID: LCS 180-450093/1

Matrix: Solid

Analysis Batch: 450093

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
pH	7.00	7.0		SU		100	99 - 101

Lab Sample ID: 180-164020-1 DU

Matrix: Solid

Analysis Batch: 450093

Client Sample ID: EHS-ISMP-WC-D7

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	8.9	HF	8.9		SU		0.1	2

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QC Association Summary

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-164020-1

GC/MS VOA

Leach Batch: 449562

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164020-1	EHS-ISMP-WC-D7	TCLP	Solid	EPA 1311	
180-164020-2	EHS-ISMP-WC-D8	TCLP	Solid	EPA 1311	
180-164020-3	EHS-ISMP-WC-D9	TCLP	Solid	EPA 1311	
180-164020-4	EHS-ISMP-WC-D10	TCLP	Solid	EPA 1311	
180-164020-5	EHS-ISMP-WC-D11	TCLP	Solid	EPA 1311	
180-164020-6	EHS-ISMP-WC-D12	TCLP	Solid	EPA 1311	
180-164020-7	EHS-ISMP-WC-D13	TCLP	Solid	EPA 1311	
LB 180-449562/1-A	Method Blank	TCLP	Solid	EPA 1311	

Analysis Batch: 449698

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164020-1	EHS-ISMP-WC-D7	TCLP	Solid	EPA 8260D	449562
180-164020-2	EHS-ISMP-WC-D8	TCLP	Solid	EPA 8260D	449562
180-164020-3	EHS-ISMP-WC-D9	TCLP	Solid	EPA 8260D	449562
180-164020-4	EHS-ISMP-WC-D10	TCLP	Solid	EPA 8260D	449562
180-164020-5	EHS-ISMP-WC-D11	TCLP	Solid	EPA 8260D	449562
180-164020-6	EHS-ISMP-WC-D12	TCLP	Solid	EPA 8260D	449562
180-164020-7	EHS-ISMP-WC-D13	TCLP	Solid	EPA 8260D	449562
LB 180-449562/1-A	Method Blank	TCLP	Solid	EPA 8260D	449562
MB 180-449698/8	Method Blank	Total/NA	Solid	EPA 8260D	
LCS 180-449698/5	Lab Control Sample	Total/NA	Solid	EPA 8260D	
LCSD 180-449698/6	Lab Control Sample Dup	Total/NA	Solid	EPA 8260D	

GC/MS Semi VOA

Leach Batch: 449582

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164020-1	EHS-ISMP-WC-D7	TCLP	Solid	EPA 1311	
180-164020-2	EHS-ISMP-WC-D8	TCLP	Solid	EPA 1311	
180-164020-3	EHS-ISMP-WC-D9	TCLP	Solid	EPA 1311	
180-164020-4	EHS-ISMP-WC-D10	TCLP	Solid	EPA 1311	
180-164020-5	EHS-ISMP-WC-D11	TCLP	Solid	EPA 1311	
180-164020-6	EHS-ISMP-WC-D12	TCLP	Solid	EPA 1311	
180-164020-7	EHS-ISMP-WC-D13	TCLP	Solid	EPA 1311	
LB 180-449582/1-E	Method Blank	TCLP	Solid	EPA 1311	

Prep Batch: 449744

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164020-1	EHS-ISMP-WC-D7	TCLP	Solid	3510C	449582
180-164020-2	EHS-ISMP-WC-D8	TCLP	Solid	3510C	449582
180-164020-3	EHS-ISMP-WC-D9	TCLP	Solid	3510C	449582
180-164020-4	EHS-ISMP-WC-D10	TCLP	Solid	3510C	449582
180-164020-5	EHS-ISMP-WC-D11	TCLP	Solid	3510C	449582
180-164020-6	EHS-ISMP-WC-D12	TCLP	Solid	3510C	449582
180-164020-7	EHS-ISMP-WC-D13	TCLP	Solid	3510C	449582
LB 180-449582/1-E	Method Blank	TCLP	Solid	3510C	449582
MB 180-449744/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 180-449744/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 180-449744/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	

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QC Association Summary

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-164020-1

GC/MS Semi VOA

Analysis Batch: 449775

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164020-1	EHS-ISMP-WC-D7	TCLP	Solid	EPA 8270E	449744
180-164020-2	EHS-ISMP-WC-D8	TCLP	Solid	EPA 8270E	449744
180-164020-3	EHS-ISMP-WC-D9	TCLP	Solid	EPA 8270E	449744
180-164020-4	EHS-ISMP-WC-D10	TCLP	Solid	EPA 8270E	449744
180-164020-5	EHS-ISMP-WC-D11	TCLP	Solid	EPA 8270E	449744
LB 180-449582/1-E	Method Blank	TCLP	Solid	EPA 8270E	449744
MB 180-449744/1-A	Method Blank	Total/NA	Solid	EPA 8270E	449744
LCS 180-449744/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270E	449744
LCSD 180-449744/3-A	Lab Control Sample Dup	Total/NA	Solid	EPA 8270E	449744

Analysis Batch: 449906

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164020-6	EHS-ISMP-WC-D12	TCLP	Solid	EPA 8270E	449744
180-164020-7	EHS-ISMP-WC-D13	TCLP	Solid	EPA 8270E	449744

GC Semi VOA

Prep Batch: 449713

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164020-1	EHS-ISMP-WC-D7	Total/NA	Solid	3541	
180-164020-2	EHS-ISMP-WC-D8	Total/NA	Solid	3541	
180-164020-3	EHS-ISMP-WC-D9	Total/NA	Solid	3541	
180-164020-4	EHS-ISMP-WC-D10	Total/NA	Solid	3541	
180-164020-5	EHS-ISMP-WC-D11	Total/NA	Solid	3541	
180-164020-6	EHS-ISMP-WC-D12	Total/NA	Solid	3541	
180-164020-7	EHS-ISMP-WC-D13	Total/NA	Solid	3541	
MB 180-449713/1-C	Method Blank	Total/NA	Solid	3541	
LCS 180-449713/2-A	Lab Control Sample	Total/NA	Solid	3541	
180-164020-1 MS	EHS-ISMP-WC-D7	Total/NA	Solid	3541	
180-164020-1 MSD	EHS-ISMP-WC-D7	Total/NA	Solid	3541	

Cleanup Batch: 449753

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164020-1	EHS-ISMP-WC-D7	Total/NA	Solid	3665A	449713
180-164020-2	EHS-ISMP-WC-D8	Total/NA	Solid	3665A	449713
180-164020-3	EHS-ISMP-WC-D9	Total/NA	Solid	3665A	449713
180-164020-4	EHS-ISMP-WC-D10	Total/NA	Solid	3665A	449713
180-164020-5	EHS-ISMP-WC-D11	Total/NA	Solid	3665A	449713
180-164020-6	EHS-ISMP-WC-D12	Total/NA	Solid	3665A	449713
180-164020-7	EHS-ISMP-WC-D13	Total/NA	Solid	3665A	449713
MB 180-449713/1-C	Method Blank	Total/NA	Solid	3665A	449713
180-164020-1 MS	EHS-ISMP-WC-D7	Total/NA	Solid	3665A	449713
180-164020-1 MSD	EHS-ISMP-WC-D7	Total/NA	Solid	3665A	449713

Cleanup Batch: 449754

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164020-1	EHS-ISMP-WC-D7	Total/NA	Solid	3660B	449753
180-164020-2	EHS-ISMP-WC-D8	Total/NA	Solid	3660B	449753
180-164020-3	EHS-ISMP-WC-D9	Total/NA	Solid	3660B	449753
180-164020-4	EHS-ISMP-WC-D10	Total/NA	Solid	3660B	449753
180-164020-5	EHS-ISMP-WC-D11	Total/NA	Solid	3660B	449753

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QC Association Summary

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-164020-1

GC Semi VOA (Continued)

Cleanup Batch: 449754 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164020-6	EHS-ISMP-WC-D12	Total/NA	Solid	3660B	449753
180-164020-7	EHS-ISMP-WC-D13	Total/NA	Solid	3660B	449753
MB 180-449713/1-C	Method Blank	Total/NA	Solid	3660B	449753
180-164020-1 MS	EHS-ISMP-WC-D7	Total/NA	Solid	3660B	449753
180-164020-1 MSD	EHS-ISMP-WC-D7	Total/NA	Solid	3660B	449753

Analysis Batch: 449764

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164020-1	EHS-ISMP-WC-D7	Total/NA	Solid	EPA 8082A	449754
180-164020-2	EHS-ISMP-WC-D8	Total/NA	Solid	EPA 8082A	449754
180-164020-3	EHS-ISMP-WC-D9	Total/NA	Solid	EPA 8082A	449754
180-164020-4	EHS-ISMP-WC-D10	Total/NA	Solid	EPA 8082A	449754
180-164020-5	EHS-ISMP-WC-D11	Total/NA	Solid	EPA 8082A	449754
180-164020-6	EHS-ISMP-WC-D12	Total/NA	Solid	EPA 8082A	449754
180-164020-7	EHS-ISMP-WC-D13	Total/NA	Solid	EPA 8082A	449754
MB 180-449713/1-C	Method Blank	Total/NA	Solid	EPA 8082A	449754
LCS 180-449713/2-A	Lab Control Sample	Total/NA	Solid	EPA 8082A	449713
180-164020-1 MS	EHS-ISMP-WC-D7	Total/NA	Solid	EPA 8082A	449754
180-164020-1 MSD	EHS-ISMP-WC-D7	Total/NA	Solid	EPA 8082A	449754

Metals

Leach Batch: 449582

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164020-1	EHS-ISMP-WC-D7	TCLP	Solid	EPA 1311	
180-164020-2	EHS-ISMP-WC-D8	TCLP	Solid	EPA 1311	
180-164020-3	EHS-ISMP-WC-D9	TCLP	Solid	EPA 1311	
180-164020-4	EHS-ISMP-WC-D10	TCLP	Solid	EPA 1311	
180-164020-5	EHS-ISMP-WC-D11	TCLP	Solid	EPA 1311	
180-164020-6	EHS-ISMP-WC-D12	TCLP	Solid	EPA 1311	
180-164020-7	EHS-ISMP-WC-D13	TCLP	Solid	EPA 1311	
LB 180-449582/1-B	Method Blank	TCLP	Solid	EPA 1311	
LB 180-449582/1-G	Method Blank	TCLP	Solid	EPA 1311	
180-164020-1 MS	EHS-ISMP-WC-D7	TCLP	Solid	EPA 1311	
180-164020-1 MS	EHS-ISMP-WC-D7	TCLP	Solid	EPA 1311	
180-164020-1 MSD	EHS-ISMP-WC-D7	TCLP	Solid	EPA 1311	
180-164020-1 MSD	EHS-ISMP-WC-D7	TCLP	Solid	EPA 1311	

Prep Batch: 449724

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164020-1	EHS-ISMP-WC-D7	TCLP	Solid	3010A	449582
180-164020-2	EHS-ISMP-WC-D8	TCLP	Solid	3010A	449582
180-164020-3	EHS-ISMP-WC-D9	TCLP	Solid	3010A	449582
180-164020-4	EHS-ISMP-WC-D10	TCLP	Solid	3010A	449582
180-164020-5	EHS-ISMP-WC-D11	TCLP	Solid	3010A	449582
180-164020-6	EHS-ISMP-WC-D12	TCLP	Solid	3010A	449582
180-164020-7	EHS-ISMP-WC-D13	TCLP	Solid	3010A	449582
LB 180-449582/1-B	Method Blank	TCLP	Solid	3010A	449582
MB 180-449724/1-A	Method Blank	Total/NA	Solid	3010A	
LCS 180-449724/2-A	Lab Control Sample	Total/NA	Solid	3010A	
180-164020-1 MS	EHS-ISMP-WC-D7	TCLP	Solid	3010A	449582

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QC Association Summary

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-164020-1

Metals (Continued)

Prep Batch: 449724 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164020-1 MSD	EHS-ISMP-WC-D7	TCLP	Solid	3010A	449582

Prep Batch: 449763

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164020-1	EHS-ISMP-WC-D7	TCLP	Solid	7470A	449582
180-164020-2	EHS-ISMP-WC-D8	TCLP	Solid	7470A	449582
180-164020-3	EHS-ISMP-WC-D9	TCLP	Solid	7470A	449582
180-164020-4	EHS-ISMP-WC-D10	TCLP	Solid	7470A	449582
180-164020-5	EHS-ISMP-WC-D11	TCLP	Solid	7470A	449582
180-164020-6	EHS-ISMP-WC-D12	TCLP	Solid	7470A	449582
180-164020-7	EHS-ISMP-WC-D13	TCLP	Solid	7470A	449582
LB 180-449582/1-G	Method Blank	TCLP	Solid	7470A	449582
MB 180-449763/1-A	Method Blank	Total/NA	Solid	7470A	
LCS 180-449763/2-A	Lab Control Sample	Total/NA	Solid	7470A	
180-164020-1 MS	EHS-ISMP-WC-D7	TCLP	Solid	7470A	449582
180-164020-1 MSD	EHS-ISMP-WC-D7	TCLP	Solid	7470A	449582

Analysis Batch: 449816

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164020-1	EHS-ISMP-WC-D7	TCLP	Solid	EPA 7470A	449763
180-164020-2	EHS-ISMP-WC-D8	TCLP	Solid	EPA 7470A	449763
180-164020-3	EHS-ISMP-WC-D9	TCLP	Solid	EPA 7470A	449763
180-164020-4	EHS-ISMP-WC-D10	TCLP	Solid	EPA 7470A	449763
180-164020-5	EHS-ISMP-WC-D11	TCLP	Solid	EPA 7470A	449763
180-164020-6	EHS-ISMP-WC-D12	TCLP	Solid	EPA 7470A	449763
180-164020-7	EHS-ISMP-WC-D13	TCLP	Solid	EPA 7470A	449763
LB 180-449582/1-G	Method Blank	TCLP	Solid	EPA 7470A	449763
MB 180-449763/1-A	Method Blank	Total/NA	Solid	EPA 7470A	449763
LCS 180-449763/2-A	Lab Control Sample	Total/NA	Solid	EPA 7470A	449763
180-164020-1 MS	EHS-ISMP-WC-D7	TCLP	Solid	EPA 7470A	449763
180-164020-1 MSD	EHS-ISMP-WC-D7	TCLP	Solid	EPA 7470A	449763

Analysis Batch: 450023

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164020-1	EHS-ISMP-WC-D7	TCLP	Solid	EPA 6010D	449724
180-164020-2	EHS-ISMP-WC-D8	TCLP	Solid	EPA 6010D	449724
180-164020-3	EHS-ISMP-WC-D9	TCLP	Solid	EPA 6010D	449724
180-164020-4	EHS-ISMP-WC-D10	TCLP	Solid	EPA 6010D	449724
180-164020-5	EHS-ISMP-WC-D11	TCLP	Solid	EPA 6010D	449724
180-164020-6	EHS-ISMP-WC-D12	TCLP	Solid	EPA 6010D	449724
180-164020-7	EHS-ISMP-WC-D13	TCLP	Solid	EPA 6010D	449724
LB 180-449582/1-B	Method Blank	TCLP	Solid	EPA 6010D	449724
MB 180-449724/1-A	Method Blank	Total/NA	Solid	EPA 6010D	449724
LCS 180-449724/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010D	449724
180-164020-1 MS	EHS-ISMP-WC-D7	TCLP	Solid	EPA 6010D	449724
180-164020-1 MSD	EHS-ISMP-WC-D7	TCLP	Solid	EPA 6010D	449724

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QC Association Summary

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-164020-1

General Chemistry

Analysis Batch: 449787

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164020-1	EHS-ISMP-WC-D7	Total/NA	Solid	2540G	
180-164020-2	EHS-ISMP-WC-D8	Total/NA	Solid	2540G	
180-164020-3	EHS-ISMP-WC-D9	Total/NA	Solid	2540G	
180-164020-4	EHS-ISMP-WC-D10	Total/NA	Solid	2540G	
180-164020-5	EHS-ISMP-WC-D11	Total/NA	Solid	2540G	
180-164020-6	EHS-ISMP-WC-D12	Total/NA	Solid	2540G	
180-164020-7	EHS-ISMP-WC-D13	Total/NA	Solid	2540G	

Analysis Batch: 450093

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164020-1	EHS-ISMP-WC-D7	Total/NA	Solid	EPA 9045D	
180-164020-2	EHS-ISMP-WC-D8	Total/NA	Solid	EPA 9045D	
180-164020-3	EHS-ISMP-WC-D9	Total/NA	Solid	EPA 9045D	
180-164020-4	EHS-ISMP-WC-D10	Total/NA	Solid	EPA 9045D	
180-164020-5	EHS-ISMP-WC-D11	Total/NA	Solid	EPA 9045D	
180-164020-6	EHS-ISMP-WC-D12	Total/NA	Solid	EPA 9045D	
180-164020-7	EHS-ISMP-WC-D13	Total/NA	Solid	EPA 9045D	
LCS 180-450093/1	Lab Control Sample	Total/NA	Solid	EPA 9045D	
180-164020-1 DU	EHS-ISMP-WC-D7	Total/NA	Solid	EPA 9045D	

Prep Batch: 450100

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164020-1	EHS-ISMP-WC-D7	Total/NA	Solid	9030B	
180-164020-2	EHS-ISMP-WC-D8	Total/NA	Solid	9030B	
180-164020-3	EHS-ISMP-WC-D9	Total/NA	Solid	9030B	
180-164020-4	EHS-ISMP-WC-D10	Total/NA	Solid	9030B	
180-164020-5	EHS-ISMP-WC-D11	Total/NA	Solid	9030B	
180-164020-6	EHS-ISMP-WC-D12	Total/NA	Solid	9030B	
180-164020-7	EHS-ISMP-WC-D13	Total/NA	Solid	9030B	
MB 180-450100/1-A	Method Blank	Total/NA	Solid	9030B	
LCS 180-450100/2-A	Lab Control Sample	Total/NA	Solid	9030B	
180-164020-1 MS	EHS-ISMP-WC-D7	Total/NA	Solid	9030B	
180-164020-1 MSD	EHS-ISMP-WC-D7	Total/NA	Solid	9030B	

Analysis Batch: 450108

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164020-1	EHS-ISMP-WC-D7	Total/NA	Solid	EPA 9034	450100
180-164020-2	EHS-ISMP-WC-D8	Total/NA	Solid	EPA 9034	450100
180-164020-3	EHS-ISMP-WC-D9	Total/NA	Solid	EPA 9034	450100
180-164020-4	EHS-ISMP-WC-D10	Total/NA	Solid	EPA 9034	450100
180-164020-5	EHS-ISMP-WC-D11	Total/NA	Solid	EPA 9034	450100
180-164020-6	EHS-ISMP-WC-D12	Total/NA	Solid	EPA 9034	450100
180-164020-7	EHS-ISMP-WC-D13	Total/NA	Solid	EPA 9034	450100
MB 180-450100/1-A	Method Blank	Total/NA	Solid	EPA 9034	450100
LCS 180-450100/2-A	Lab Control Sample	Total/NA	Solid	EPA 9034	450100
180-164020-1 MS	EHS-ISMP-WC-D7	Total/NA	Solid	EPA 9034	450100
180-164020-1 MSD	EHS-ISMP-WC-D7	Total/NA	Solid	EPA 9034	450100

Prep Batch: 450213

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164020-1	EHS-ISMP-WC-D7	Total/NA	Solid	9010C	

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QC Association Summary

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-164020-1

General Chemistry (Continued)

Prep Batch: 450213 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164020-2	EHS-ISMP-WC-D8	Total/NA	Solid	9010C	
180-164020-3	EHS-ISMP-WC-D9	Total/NA	Solid	9010C	
180-164020-4	EHS-ISMP-WC-D10	Total/NA	Solid	9010C	
180-164020-5	EHS-ISMP-WC-D11	Total/NA	Solid	9010C	
180-164020-6	EHS-ISMP-WC-D12	Total/NA	Solid	9010C	
180-164020-7	EHS-ISMP-WC-D13	Total/NA	Solid	9010C	
MB 180-450213/4-A	Method Blank	Total/NA	Solid	9010C	
HLCS 180-450213/2-A	Lab Control Sample	Total/NA	Solid	9010C	
LCS 180-450213/3-A	Lab Control Sample	Total/NA	Solid	9010C	
LLCS 180-450213/1-A	Lab Control Sample	Total/NA	Solid	9010C	
180-164020-1 MS	EHS-ISMP-WC-D7	Total/NA	Solid	9010C	
180-164020-1 MSD	EHS-ISMP-WC-D7	Total/NA	Solid	9010C	

Analysis Batch: 450233

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164020-1	EHS-ISMP-WC-D7	Total/NA	Solid	EPA 9014	450213
180-164020-2	EHS-ISMP-WC-D8	Total/NA	Solid	EPA 9014	450213
180-164020-3	EHS-ISMP-WC-D9	Total/NA	Solid	EPA 9014	450213
180-164020-4	EHS-ISMP-WC-D10	Total/NA	Solid	EPA 9014	450213
180-164020-5	EHS-ISMP-WC-D11	Total/NA	Solid	EPA 9014	450213
180-164020-6	EHS-ISMP-WC-D12	Total/NA	Solid	EPA 9014	450213
180-164020-7	EHS-ISMP-WC-D13	Total/NA	Solid	EPA 9014	450213
MB 180-450213/4-A	Method Blank	Total/NA	Solid	EPA 9014	450213
HLCS 180-450213/2-A	Lab Control Sample	Total/NA	Solid	EPA 9014	450213
LCS 180-450213/3-A	Lab Control Sample	Total/NA	Solid	EPA 9014	450213
LLCS 180-450213/1-A	Lab Control Sample	Total/NA	Solid	EPA 9014	450213
180-164020-1 MS	EHS-ISMP-WC-D7	Total/NA	Solid	EPA 9014	450213
180-164020-1 MSD	EHS-ISMP-WC-D7	Total/NA	Solid	EPA 9014	450213

Analysis Batch: 939993

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164020-1	EHS-ISMP-WC-D7	Total/NA	Solid	1030	
180-164020-2	EHS-ISMP-WC-D8	Total/NA	Solid	1030	
180-164020-3	EHS-ISMP-WC-D9	Total/NA	Solid	1030	
180-164020-4	EHS-ISMP-WC-D10	Total/NA	Solid	1030	
180-164020-5	EHS-ISMP-WC-D11	Total/NA	Solid	1030	
180-164020-6	EHS-ISMP-WC-D12	Total/NA	Solid	1030	
180-164020-7	EHS-ISMP-WC-D13	Total/NA	Solid	1030	
180-164020-1 DU	EHS-ISMP-WC-D7	Total/NA	Solid	1030	

Client Information		Sampler Kyle Cunningham		Lab PM Dunlap, David A	Camer Tracking No(s)		COC No 180-45857-9656-1
Client Contact: Mr. Aron Krasnopoler		Phone: 708-248-3888		E-Mail: david.dunlap@testamericainc.com	Page Page 1 of 1		Job #
Company Geosyntec Consultants, Inc.		Due Date Requested: TAT Requested (days): 5-day		Analysis Requested		Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Anichlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2SO3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)	
Address: 10211 Wincopin Circle 4th Floor		PO # MN08321		Field Filtered Sample (Yes or No)		Total Number of containers	
City Columbia		WO #		Perform MS/MSD (Yes or No)		Special Instructions/Note: (m ³)	
State, Zip MD, 21044		Project # 18013464		8010C/470A - TCLP RCRA Metals			
Phone 410-381-4333		SSOW#		8270D - TCLP Semivolatiles			
Email: akrasnopoler@geosyntec.com		Sample Date		8010C/470A - TCLP RCRA Metals			
Project Name: Former Sperry Remington Site		Sample Time		9034/9030B - Sulfide			
Site		Sample Type (C=Comp, G=grab)		9045D - pH			
		Matrix (W=water, S=solid, O=waste/soil, BT=Tissue, A=Air)		9014 - Cyanide			
		Preservation Code:		1030 - Ignitability			
		Sample Date		8082A - PCBs			
		Sample Time		8010C/470A - TCLP RCRA Metals			
		Sample Type		8010C/470A - TCLP RCRA Metals			
		Matrix		8010C/470A - TCLP RCRA Metals			
		Preservation Code:		8010C/470A - TCLP RCRA Metals			
		Sample Date		8010C/470A - TCLP RCRA Metals			
		Sample Time		8010C/470A - TCLP RCRA Metals			
		Sample Type		8010C/470A - TCLP RCRA Metals			
		Matrix		8010C/470A - TCLP RCRA Metals			
		Preservation Code:		8010C/470A - TCLP RCRA Metals			
		Sample Date		8010C/470A - TCLP RCRA Metals			
		Sample Time		8010C/470A - TCLP RCRA Metals			
		Sample Type		8010C/470A - TCLP RCRA Metals			
		Matrix		8010C/470A - TCLP RCRA Metals			
		Preservation Code:		8010C/470A - TCLP RCRA Metals			
		Sample Date		8010C/470A - TCLP RCRA Metals			
		Sample Time		8010C/470A - TCLP RCRA Metals			
		Sample Type		8010C/470A - TCLP RCRA Metals			
		Matrix		8010C/470A - TCLP RCRA Metals			
		Preservation Code:		8010C/470A - TCLP RCRA Metals			
		Sample Date		8010C/470A - TCLP RCRA Metals			
		Sample Time		8010C/470A - TCLP RCRA Metals			
		Sample Type		8010C/470A - TCLP RCRA Metals			
		Matrix		8010C/470A - TCLP RCRA Metals			
		Preservation Code:		8010C/470A - TCLP RCRA Metals			
		Sample Date		8010C/470A - TCLP RCRA Metals			
		Sample Time		8010C/470A - TCLP RCRA Metals			
		Sample Type		8010C/470A - TCLP RCRA Metals			
		Matrix		8010C/470A - TCLP RCRA Metals			
		Preservation Code:		8010C/470A - TCLP RCRA Metals			
		Sample Date		8010C/470A - TCLP RCRA Metals			
		Sample Time		8010C/470A - TCLP RCRA Metals			
		Sample Type		8010C/470A - TCLP RCRA Metals			
		Matrix		8010C/470A - TCLP RCRA Metals			
		Preservation Code:		8010C/470A - TCLP RCRA Metals			
		Sample Date		8010C/470A - TCLP RCRA Metals			
		Sample Time		8010C/470A - TCLP RCRA Metals			
		Sample Type		8010C/470A - TCLP RCRA Metals			
		Matrix		8010C/470A - TCLP RCRA Metals			
		Preservation Code:		8010C/470A - TCLP RCRA Metals			
		Sample Date		8010C/470A - TCLP RCRA Metals			
		Sample Time		8010C/470A - TCLP RCRA Metals			
		Sample Type		8010C/470A - TCLP RCRA Metals			
		Matrix		8010C/470A - TCLP RCRA Metals			
		Preservation Code:		8010C/470A - TCLP RCRA Metals			
		Sample Date		8010C/470A - TCLP RCRA Metals			
		Sample Time		8010C/470A - TCLP RCRA Metals			
		Sample Type		8010C/470A - TCLP RCRA Metals			
		Matrix		8010C/470A - TCLP RCRA Metals			
		Preservation Code:		8010C/470A - TCLP RCRA Metals			
		Sample Date		8010C/470A - TCLP RCRA Metals			
		Sample Time		8010C/470A - TCLP RCRA Metals			
		Sample Type		8010C/470A - TCLP RCRA Metals			
		Matrix		8010C/470A - TCLP RCRA Metals			
		Preservation Code:		8010C/470A - TCLP RCRA Metals			
		Sample Date		8010C/470A - TCLP RCRA Metals			
		Sample Time		8010C/470A - TCLP RCRA Metals			
		Sample Type		8010C/470A - TCLP RCRA Metals			
		Matrix		8010C/470A - TCLP RCRA Metals			
		Preservation Code:		8010C/470A - TCLP RCRA Metals			
		Sample Date		8010C/470A - TCLP RCRA Metals			
		Sample Time		8010C/470A - TCLP RCRA Metals			
		Sample Type		8010C/470A - TCLP RCRA Metals			
		Matrix		8010C/470A - TCLP RCRA Metals			
		Preservation Code:		8010C/470A - TCLP RCRA Metals			
		Sample Date		8010C/470A - TCLP RCRA Metals			
		Sample Time		8010C/470A - TCLP RCRA Metals			
		Sample Type		8010C/470A - TCLP RCRA Metals			
		Matrix		8010C/470A - TCLP RCRA Metals			
		Preservation Code:		8010C/470A - TCLP RCRA Metals			
		Sample Date		8010C/470A - TCLP RCRA Metals			
		Sample Time		8010C/470A - TCLP RCRA Metals			
		Sample Type		8010C/470A - TCLP RCRA Metals			
		Matrix		8010C/470A - TCLP RCRA Metals			
		Preservation Code:		8010C/470A - TCLP RCRA Metals			
		Sample Date		8010C/470A - TCLP RCRA Metals			
		Sample Time		8010C/470A - TCLP RCRA Metals			
		Sample Type		8010C/470A - TCLP RCRA Metals			
		Matrix		8010C/470A - TCLP RCRA Metals			
		Preservation Code:		8010C/470A - TCLP RCRA Metals			
		Sample Date		8010C/470A - TCLP RCRA Metals			
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		Sample Type		8010C/470A - TCLP RCRA Metals			
		Matrix		8010C/470A - TCLP RCRA Metals			
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		Sample Date		8010C/470A - TCLP RCRA Metals			
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		Sample Time		8010C/470A - TCLP RCRA Metals			
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		Sample Type		8010C/470A - TCLP RCRA Metals			
		Matrix		8010C/470A - TCLP RCRA Metals			
		Preservation Code:		8010C/470A - TCLP RCRA Metals			
		Sample Date		8010C/470A - TCLP RCRA Metals			
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		Sample Type		8010C/470A - TCLP RCRA Metals			
		Matrix		8010C/470A - TCLP RCRA Metals			
		Preservation Code:					

Job Number:

180-164020

Number of Coolers:

AIR Gun #

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	✓	✓	Cooler #4:	✓	✓	Cooler #7:	✓	✓
Cooler #2:	✓	✓	Cooler #5:	✓	✓	Cooler #8:	✓	✓
Cooler #3:	✓	✓	Cooler #6:	✓	✓	Cooler #9:	✓	✓

[illegible]

TALS Sample Number

[illegible]

If pH adjustments are required record the information below:

Sample No(s), adjusted

Preservative Name/Conc.

Volume of Preservative used (ml)

Lot # of Preservative(s)

Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted. Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-164020-1

Login Number: 164020

List Source: Eurofins Pittsburgh

List Number: 1

Creator: Dunlap, David A

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	False	COC not relinquished
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Client: Geosyntec Consultants Inc

Job Number: 180-164020-1

Login Number: 164020

List Number: 2

Creator: Rivera, Kenneth

List Source: Eurofins Edison

List Creation: 10/19/23 10:22 AM

Question	Answer	Comment
Radioactivity wasn't checked or is <= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	2163184
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.2°C, IR #9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

Generated 12/4/2023 8:45:30 AM

JOB DESCRIPTION

Former Sperry Remington-Characterization

JOB NUMBER

180-165687-1

Eurofins Pittsburgh

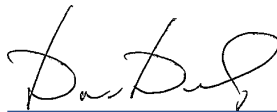
Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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12/4/2023 8:45:30 AM

Authorized for release by
David Dunlap, Senior Project Manager
David.Dunlap@et.eurofinsus.com
(412)963-2432

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Case Narrative

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-165687-1

Job ID: 180-165687-1

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative 180-165687-1

Comments

Due to FEDEX shipment delay, the cooler sent to the Edison laboratory was received one day late on 11/22/23.

Receipt

The samples were received on 11/21 and 22/2023 at the Eurofins Pittsburgh, PA and Edison, NJ laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 1.5° C and 2.9° C.

GC/MS VOA

Method 8260D: Internal standard (ISTD) response for 1,4-Dichlorobenzene-d4 for the following sample was above criteria: SSHS-ISMP-D14 (180-165687-1). As this ISTD does not correspond to any of the requested target analytes, the results were reported.

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

GC/MS Semi VOA

Method 8270E: The RPD between the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 180-453020 was above the control limits for the following analytes: Hexachlorobenzene, Hexachlorobutadiene, 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, and 2,4-Dinitrotoluene. The recoveries were within the control limits.

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

GC Semi VOA

Method 8082A: The laboratory control sample (LCS 180-453052/2-A) had the recovery of surrogate decachlorobiphenyl above the control limits on column RTX-CLP1. The recovery on column RTX-CLP2 and the recoveries of tetrachloro-m-xylene were within the control limits.

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

Metals

Method 6010D: The continuing calibration verification (CCV) associated with batch 180-453333 (CCV 180-453333/142) recovered above the control limit for arsenic. As CCV was high and the samples associated with this CCV did not have arsenic detected, the results were reported.

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

General Chemistry

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

Definitions/Glossary

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-165687-1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

Metals

Qualifier	Qualifier Description
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Eurofins Pittsburgh

Definitions/Glossary

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-165687-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TNTC	Too Numerous To Count

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Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-165687-1

Laboratory: Eurofins Pittsburgh

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	04-01-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Moisture
2540G		Solid	Percent Solids

Laboratory: Eurofins Edison

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-01-24

Sample Summary

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-165687-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-165687-1	SSHS-ISMP-D14	Solid	11/20/23 14:40	11/21/23 09:20
180-165687-2	SSHS-ISMP-D15	Solid	11/20/23 14:45	11/21/23 09:20

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Method Summary

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-165687-1

Method	Method Description	Protocol	Laboratory
EPA 8260D	Volatile Organic Compounds by GC/MS	SW846	EET PIT
EPA 8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET PIT
EPA 6010D	Metals (ICP)	SW846	EET PIT
EPA 7470A	Mercury (CVAA)	SW846	EET PIT
1030	Ignitability, Solids	SW846	EET EDI
2540G	SM 2540G	SM22	EET PIT
EPA 9014	Cyanide	SW846	EET PIT
EPA 9034	Sulfide, Acid soluble and Insoluble (Titrimetric)	SW846	EET PIT
EPA 9045D	pH	SW846	EET PIT
3010A	Preparation, Total Metals	SW846	EET PIT
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET PIT
3541	Automated Soxhlet Extraction	SW846	EET PIT
5030C	Purge and Trap	SW846	EET PIT
7470A	Preparation, Mercury	SW846	EET PIT
9010C	Cyanide, Distillation	SW846	EET PIT
9030B	Sulfide, Distillation (Acid Soluble and Insoluble)	SW846	EET PIT
EPA 1311	TCLP Extraction	SW846	EET PIT

Protocol References:

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition

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

Laboratory References:

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

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

Lab Chronicle

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-165687-1

Client Sample ID: SSHS-ISMP-D14

Lab Sample ID: 180-165687-1

Date Collected: 11/20/23 14:40

Matrix: Solid

Date Received: 11/21/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	EPA 1311			25.07 g	500 mL	452783	11/27/23 08:15	CRL	EET PIT
TCLP	Analysis	EPA 8260D		1	0.25 mL	5 mL	452894	11/28/23 12:15	PJJ	EET PIT
		Instrument ID: CHHP10								
TCLP	Leach	EPA 1311			100.22 g	2000 mL	452799	11/27/23 09:09	MAM	EET PIT
TCLP	Prep	3510C			200 mL	10.0 mL	453003	11/29/23 00:32	CBY	EET PIT
TCLP	Analysis	EPA 8270E		1	1 mL	1 mL	453020	11/29/23 18:12	VVP	EET PIT
		Instrument ID: CHMSD7								
TCLP	Leach	EPA 1311			100.22 g	2000 mL	452799	11/27/23 09:09	MAM	EET PIT
TCLP	Prep	3010A			5 mL	50 mL	453201	11/30/23 08:10	SJM	EET PIT
TCLP	Analysis	EPA 6010D		1			453333	12/01/23 01:05	AAS	EET PIT
		Instrument ID: Q								
TCLP	Leach	EPA 1311			100.22 g	2000 mL	452799	11/27/23 09:09	MAM	EET PIT
TCLP	Prep	7470A			25 mL	25 mL	453121	11/29/23 12:26	RJR	EET PIT
TCLP	Analysis	EPA 7470A		1			453157	11/29/23 15:42	RJR	EET PIT
		Instrument ID: HGZ								
Total/NA	Analysis	1030		1			947175	11/29/23 14:51	YAH	EET EDI
		Instrument ID: NOEQUIP								
Total/NA	Analysis	2540G		1			452920	11/28/23 09:55	Z1M	EET PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	EPA 9045D		1	20.19 g	20 mL	453119	11/29/23 12:20	SNR	EET PIT
		Instrument ID: NOEQUIP								

Client Sample ID: SSHS-ISMP-D14

Lab Sample ID: 180-165687-1

Date Collected: 11/20/23 14:40

Matrix: Solid

Date Received: 11/21/23 09:20

Percent Solids: 91.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	20.0 mL	453052	11/29/23 08:13	DVC	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	453217	11/30/23 18:46	JMO	EET PIT
		Instrument ID: CHGC16								
Total/NA	Prep	9010C			0.30 g	10 mL	452936	11/28/23 12:30	CMR	EET PIT
Total/NA	Analysis	EPA 9014		1			452984	11/28/23 14:39	CMR	EET PIT
		Instrument ID: SHAMU								
Total/NA	Prep	9030B			5.02 mL	50 mL	452713	11/25/23 06:30	BAB	EET PIT
Total/NA	Analysis	EPA 9034		1			452732	11/25/23 12:14	BAB	EET PIT
		Instrument ID: NOEQUIP								

Client Sample ID: SSHS-ISMP-D15

Lab Sample ID: 180-165687-2

Date Collected: 11/20/23 14:45

Matrix: Solid

Date Received: 11/21/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	EPA 1311			25.19 g	500 mL	452783	11/27/23 08:15	CRL	EET PIT
TCLP	Analysis	EPA 8260D		1	0.25 mL	5 mL	452894	11/28/23 12:43	PJJ	EET PIT
		Instrument ID: CHHP10								

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Lab Chronicle

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-165687-1

Client Sample ID: SSHS-ISMP-D15

Lab Sample ID: 180-165687-2

Date Collected: 11/20/23 14:45

Matrix: Solid

Date Received: 11/21/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	EPA 1311			100.38 g	2000 mL	452799	11/27/23 09:09	MAM	EET PIT
TCLP	Prep	3510C			200 mL	10.0 mL	453003	11/29/23 00:32	CBY	EET PIT
TCLP	Analysis	EPA 8270E		1	1 mL	1 mL	453020	11/29/23 18:34	VVP	EET PIT
Instrument ID: CHMSD7										
TCLP	Leach	EPA 1311			100.38 g	2000 mL	452799	11/27/23 09:09	MAM	EET PIT
TCLP	Prep	3010A			5 mL	50 mL	453201	11/30/23 08:10	SJM	EET PIT
TCLP	Analysis	EPA 6010D		1			453333	12/01/23 01:10	AAS	EET PIT
Instrument ID: Q										
TCLP	Leach	EPA 1311			100.38 g	2000 mL	452799	11/27/23 09:09	MAM	EET PIT
TCLP	Prep	7470A			25 mL	25 mL	453121	11/29/23 12:26	RJR	EET PIT
TCLP	Analysis	EPA 7470A		1			453157	11/29/23 15:43	RJR	EET PIT
Instrument ID: HGZ										
Total/NA	Analysis	1030		1			947175	11/29/23 14:51	YAH	EET EDI
Instrument ID: NOEQUIP										
Total/NA	Analysis	2540G		1			452910	11/28/23 09:23	Z1M	EET PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	EPA 9045D		1	20.02 g	20 mL	453119	11/29/23 12:37	SNR	EET PIT
Instrument ID: NOEQUIP										

Client Sample ID: SSHS-ISMP-D15

Lab Sample ID: 180-165687-2

Date Collected: 11/20/23 14:45

Matrix: Solid

Date Received: 11/21/23 09:20

Percent Solids: 92.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	20.0 mL	453052	11/29/23 08:13	DVC	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	453217	11/30/23 19:05	JMO	EET PIT
Instrument ID: CHGC16										
Total/NA	Prep	9010C			0.32 g	10 mL	452936	11/28/23 12:30	CMR	EET PIT
Total/NA	Analysis	EPA 9014		1			452984	11/28/23 14:42	CMR	EET PIT
Instrument ID: SHAMU										
Total/NA	Prep	9030B			5.10 mL	50 mL	452713	11/25/23 06:30	BAB	EET PIT
Total/NA	Analysis	EPA 9034		1			452732	11/25/23 12:14	BAB	EET PIT
Instrument ID: NOEQUIP										

* This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

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

Eurofins Pittsburgh

Lab Chronicle

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-165687-1

Analyst References:

Lab: EET EDI

Batch Type: Analysis

YAH = Youhao Hu

Lab: EET PIT

Batch Type: Leach

CRL = Craig Tronzo

MAM = Matthew Moore

Batch Type: Prep

BAB = Brooke Batyi

CBY = Charles Yushinski

CMR = Carl Reagle

DVC = Daniel Capodanno

RJR = Ron Rosenbaum

SJM = Shannon Mueller

Batch Type: Analysis

AAS = Ariana Swick

BAB = Brooke Batyi

CMR = Carl Reagle

JMO = John Oravec

PJJ = Patrick Journet

RJR = Ron Rosenbaum

SNR = Sabra Richart

VVP = Vincent Piccolino

Z1M = Zee Menakruzz

Client Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-165687-1

Client Sample ID: SSSH-ISMP-D14

Lab Sample ID: 180-165687-1

Date Collected: 11/20/23 14:40

Matrix: Solid

Date Received: 11/21/23 09:20

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.20	0.012	mg/L			11/28/23 12:15	1
2-Butanone (MEK)	ND		1.0	0.051	mg/L			11/28/23 12:15	1
Carbon tetrachloride	ND		0.20	0.018	mg/L			11/28/23 12:15	1
Chlorobenzene	ND		0.20	0.010	mg/L			11/28/23 12:15	1
Chloroform	ND		0.20	0.012	mg/L			11/28/23 12:15	1
1,2-Dichloroethane	ND		0.20	0.011	mg/L			11/28/23 12:15	1
1,1-Dichloroethene	ND		0.20	0.011	mg/L			11/28/23 12:15	1
Tetrachloroethene	ND		0.20	0.0093	mg/L			11/28/23 12:15	1
Trichloroethene	ND		0.20	0.014	mg/L			11/28/23 12:15	1
Vinyl chloride	ND		0.20	0.0081	mg/L			11/28/23 12:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	71		49 - 118		11/28/23 12:15	1
Dibromofluoromethane (Surr)	84		60 - 132		11/28/23 12:15	1
1,2-Dichloroethane-d4 (Surr)	70		52 - 151		11/28/23 12:15	1
Toluene-d8 (Surr)	71		53 - 124		11/28/23 12:15	1

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.050	0.0045	mg/L		11/29/23 00:32	11/29/23 18:12	1
2,4-Dinitrotoluene	ND	*1	0.050	0.0079	mg/L		11/29/23 00:32	11/29/23 18:12	1
Hexachlorobenzene	ND	*1	0.050	0.0055	mg/L		11/29/23 00:32	11/29/23 18:12	1
Hexachlorobutadiene	ND	*1	0.050	0.0084	mg/L		11/29/23 00:32	11/29/23 18:12	1
Hexachloroethane	ND		0.050	0.0040	mg/L		11/29/23 00:32	11/29/23 18:12	1
2-Methylphenol	ND		0.050	0.0040	mg/L		11/29/23 00:32	11/29/23 18:12	1
Methylphenol, 3 & 4	ND		0.050	0.0079	mg/L		11/29/23 00:32	11/29/23 18:12	1
Nitrobenzene	ND		0.050	0.012	mg/L		11/29/23 00:32	11/29/23 18:12	1
Pentachlorophenol	ND		0.25	0.0075	mg/L		11/29/23 00:32	11/29/23 18:12	1
Pyridine	ND		0.10	0.0082	mg/L		11/29/23 00:32	11/29/23 18:12	1
2,4,5-Trichlorophenol	ND	*1	0.050	0.0079	mg/L		11/29/23 00:32	11/29/23 18:12	1
2,4,6-Trichlorophenol	ND	*1	0.050	0.0095	mg/L		11/29/23 00:32	11/29/23 18:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	75		55 - 105	11/29/23 00:32	11/29/23 18:12	1
2-Fluorophenol (Surr)	73		55 - 105	11/29/23 00:32	11/29/23 18:12	1
Nitrobenzene-d5 (Surr)	70		55 - 109	11/29/23 00:32	11/29/23 18:12	1
Phenol-d5 (Surr)	70		48 - 105	11/29/23 00:32	11/29/23 18:12	1
Terphenyl-d14 (Surr)	76		37 - 107	11/29/23 00:32	11/29/23 18:12	1
2,4,6-Tribromophenol (Surr)	70		32 - 115	11/29/23 00:32	11/29/23 18:12	1

Method: SW846 EPA 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND	^+	0.10	0.083	mg/L		11/30/23 08:10	12/01/23 01:05	1
Barium	0.62	J	2.0	0.27	mg/L		11/30/23 08:10	12/01/23 01:05	1
Cadmium	ND		0.050	0.0030	mg/L		11/30/23 08:10	12/01/23 01:05	1
Chromium	ND		0.050	0.031	mg/L		11/30/23 08:10	12/01/23 01:05	1
Lead	ND		0.10	0.044	mg/L		11/30/23 08:10	12/01/23 01:05	1
Selenium	ND		0.10	0.037	mg/L		11/30/23 08:10	12/01/23 01:05	1
Silver	ND		0.050	0.0091	mg/L		11/30/23 08:10	12/01/23 01:05	1

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Client Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-165687-1

Client Sample ID: SSHS-ISMP-D14

Lab Sample ID: 180-165687-1

Date Collected: 11/20/23 14:40

Matrix: Solid

Date Received: 11/21/23 09:20

Method: SW846 EPA 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		11/29/23 12:26	11/29/23 15:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate (SW846 1030)	ND		2.20	2.20	mm/sec			11/29/23 14:51	1
Percent Moisture (SM22 2540G)	8.8		0.1	0.1	%			11/28/23 09:55	1
Percent Solids (SM22 2540G)	91.2		0.1	0.1	%			11/28/23 09:55	1
pH (SW846 EPA 9045D)	8.6	HF	0.1	0.1	SU			11/29/23 12:20	1

Client Sample ID: SSHS-ISMP-D14

Lab Sample ID: 180-165687-1

Date Collected: 11/20/23 14:40

Matrix: Solid

Date Received: 11/21/23 09:20

Percent Solids: 91.2

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.9	ug/Kg	☆	11/29/23 08:13	11/30/23 18:46	1
PCB-1221	ND		18	6.5	ug/Kg	☆	11/29/23 08:13	11/30/23 18:46	1
PCB-1232	ND		18	4.4	ug/Kg	☆	11/29/23 08:13	11/30/23 18:46	1
PCB-1242	ND		18	2.7	ug/Kg	☆	11/29/23 08:13	11/30/23 18:46	1
PCB-1248	ND		18	4.4	ug/Kg	☆	11/29/23 08:13	11/30/23 18:46	1
PCB-1254	15	J	18	5.5	ug/Kg	☆	11/29/23 08:13	11/30/23 18:46	1
PCB-1260	ND		18	5.2	ug/Kg	☆	11/29/23 08:13	11/30/23 18:46	1
PCB-1262	ND		18	6.4	ug/Kg	☆	11/29/23 08:13	11/30/23 18:46	1
PCB-1268	ND		18	2.5	ug/Kg	☆	11/29/23 08:13	11/30/23 18:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	96		63 - 138	11/29/23 08:13	11/30/23 18:46	1
DCB Decachlorobiphenyl (Surr)	93		63 - 138	11/29/23 08:13	11/30/23 18:46	1
Tetrachloro-m-xylene (Surr)	78		55 - 135	11/29/23 08:13	11/30/23 18:46	1
Tetrachloro-m-xylene (Surr)	84		55 - 135	11/29/23 08:13	11/30/23 18:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 EPA 9014)	ND		0.37	0.28	mg/Kg	☆	11/28/23 12:30	11/28/23 14:39	1
Sulfide (SW846 EPA 9034)	ND		33	11	mg/Kg	☆	11/25/23 06:30	11/25/23 12:14	1

Client Sample ID: SSHS-ISMP-D15

Lab Sample ID: 180-165687-2

Date Collected: 11/20/23 14:45

Matrix: Solid

Date Received: 11/21/23 09:20

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.20	0.012	mg/L			11/28/23 12:43	1
2-Butanone (MEK)	ND		1.0	0.051	mg/L			11/28/23 12:43	1
Carbon tetrachloride	ND		0.20	0.018	mg/L			11/28/23 12:43	1
Chlorobenzene	ND		0.20	0.010	mg/L			11/28/23 12:43	1
Chloroform	ND		0.20	0.012	mg/L			11/28/23 12:43	1
1,2-Dichloroethane	ND		0.20	0.011	mg/L			11/28/23 12:43	1
1,1-Dichloroethene	ND		0.20	0.011	mg/L			11/28/23 12:43	1
Tetrachloroethene	ND		0.20	0.0093	mg/L			11/28/23 12:43	1
Trichloroethene	ND		0.20	0.014	mg/L			11/28/23 12:43	1

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Client Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-165687-1

Client Sample ID: SSMS-ISMP-D15

Lab Sample ID: 180-165687-2

Date Collected: 11/20/23 14:45

Matrix: Solid

Date Received: 11/21/23 09:20

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.20	0.0081	mg/L			11/28/23 12:43	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	68		49 - 118					11/28/23 12:43	1
Dibromofluoromethane (Surr)	93		60 - 132					11/28/23 12:43	1
1,2-Dichloroethane-d4 (Surr)	81		52 - 151					11/28/23 12:43	1
Toluene-d8 (Surr)	89		53 - 124					11/28/23 12:43	1

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.050	0.0045	mg/L		11/29/23 00:32	11/29/23 18:34	1
2,4-Dinitrotoluene	ND	*1	0.050	0.0079	mg/L		11/29/23 00:32	11/29/23 18:34	1
Hexachlorobenzene	ND	*1	0.050	0.0055	mg/L		11/29/23 00:32	11/29/23 18:34	1
Hexachlorobutadiene	ND	*1	0.050	0.0084	mg/L		11/29/23 00:32	11/29/23 18:34	1
Hexachloroethane	ND		0.050	0.0040	mg/L		11/29/23 00:32	11/29/23 18:34	1
2-Methylphenol	ND		0.050	0.0040	mg/L		11/29/23 00:32	11/29/23 18:34	1
Methylphenol, 3 & 4	ND		0.050	0.0079	mg/L		11/29/23 00:32	11/29/23 18:34	1
Nitrobenzene	ND		0.050	0.012	mg/L		11/29/23 00:32	11/29/23 18:34	1
Pentachlorophenol	ND		0.25	0.0075	mg/L		11/29/23 00:32	11/29/23 18:34	1
Pyridine	ND		0.10	0.0082	mg/L		11/29/23 00:32	11/29/23 18:34	1
2,4,5-Trichlorophenol	ND	*1	0.050	0.0079	mg/L		11/29/23 00:32	11/29/23 18:34	1
2,4,6-Trichlorophenol	ND	*1	0.050	0.0095	mg/L		11/29/23 00:32	11/29/23 18:34	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	74		55 - 105				11/29/23 00:32	11/29/23 18:34	1
2-Fluorophenol (Surr)	74		55 - 105				11/29/23 00:32	11/29/23 18:34	1
Nitrobenzene-d5 (Surr)	70		55 - 109				11/29/23 00:32	11/29/23 18:34	1
Phenol-d5 (Surr)	69		48 - 105				11/29/23 00:32	11/29/23 18:34	1
Terphenyl-d14 (Surr)	74		37 - 107				11/29/23 00:32	11/29/23 18:34	1
2,4,6-Tribromophenol (Surr)	65		32 - 115				11/29/23 00:32	11/29/23 18:34	1

Method: SW846 EPA 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND	^+	0.10	0.083	mg/L		11/30/23 08:10	12/01/23 01:10	1
Barium	0.79	J	2.0	0.27	mg/L		11/30/23 08:10	12/01/23 01:10	1
Cadmium	0.0030	J	0.050	0.0030	mg/L		11/30/23 08:10	12/01/23 01:10	1
Chromium	ND		0.050	0.031	mg/L		11/30/23 08:10	12/01/23 01:10	1
Lead	ND		0.10	0.044	mg/L		11/30/23 08:10	12/01/23 01:10	1
Selenium	ND		0.10	0.037	mg/L		11/30/23 08:10	12/01/23 01:10	1
Silver	ND		0.050	0.0091	mg/L		11/30/23 08:10	12/01/23 01:10	1

Method: SW846 EPA 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		11/29/23 12:26	11/29/23 15:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate (SW846 1030)	ND		2.20	2.20	mm/sec			11/29/23 14:51	1
Percent Moisture (SM22 2540G)	7.7		0.1	0.1	%			11/28/23 09:23	1
Percent Solids (SM22 2540G)	92.3		0.1	0.1	%			11/28/23 09:23	1
pH (SW846 EPA 9045D)	8.7	HF	0.1	0.1	SU			11/29/23 12:37	1

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Client Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-165687-1

Client Sample ID: SSHS-ISMP-D15

Lab Sample ID: 180-165687-2

Date Collected: 11/20/23 14:45

Matrix: Solid

Date Received: 11/21/23 09:20

Percent Solids: 92.3

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.9	ug/Kg	✱	11/29/23 08:13	11/30/23 19:05	1
PCB-1221	ND		18	6.4	ug/Kg	✱	11/29/23 08:13	11/30/23 19:05	1
PCB-1232	ND		18	4.4	ug/Kg	✱	11/29/23 08:13	11/30/23 19:05	1
PCB-1242	ND		18	2.6	ug/Kg	✱	11/29/23 08:13	11/30/23 19:05	1
PCB-1248	ND		18	4.3	ug/Kg	✱	11/29/23 08:13	11/30/23 19:05	1
PCB-1254	ND		18	5.4	ug/Kg	✱	11/29/23 08:13	11/30/23 19:05	1
PCB-1260	ND		18	5.1	ug/Kg	✱	11/29/23 08:13	11/30/23 19:05	1
PCB-1262	ND		18	6.3	ug/Kg	✱	11/29/23 08:13	11/30/23 19:05	1
PCB-1268	ND		18	2.4	ug/Kg	✱	11/29/23 08:13	11/30/23 19:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	110		63 - 138	11/29/23 08:13	11/30/23 19:05	1
DCB Decachlorobiphenyl (Surr)	99		63 - 138	11/29/23 08:13	11/30/23 19:05	1
Tetrachloro-m-xylene (Surr)	96		55 - 135	11/29/23 08:13	11/30/23 19:05	1
Tetrachloro-m-xylene (Surr)	103		55 - 135	11/29/23 08:13	11/30/23 19:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 EPA 9014)	ND		0.34	0.26	mg/Kg	✱	11/28/23 12:30	11/28/23 14:42	1
Sulfide (SW846 EPA 9034)	ND		32	11	mg/Kg	✱	11/25/23 06:30	11/25/23 12:14	1

QC Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-165687-1

Method: EPA 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: LCS 180-452894/3

Matrix: Solid

Analysis Batch: 452894

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.0100	0.0108		mg/L		108	68 - 122
2-Butanone (MEK)	0.0100	0.00922	J	mg/L		92	35 - 158
Carbon tetrachloride	0.0100	0.0127		mg/L		127	60 - 135
Chlorobenzene	0.0100	0.0112		mg/L		112	72 - 123
Chloroform	0.0100	0.0108		mg/L		108	62 - 121
1,2-Dichloroethane	0.0100	0.00964	J	mg/L		96	57 - 149
1,1-Dichloroethene	0.0100	0.0117		mg/L		117	49 - 132
Tetrachloroethene	0.0100	0.0125		mg/L		125	60 - 129
Trichloroethene	0.0100	0.0107		mg/L		107	67 - 121
Vinyl chloride	0.0100	0.0126		mg/L		126	47 - 147

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	68		49 - 118
Dibromofluoromethane (Surr)	87		60 - 132
1,2-Dichloroethane-d4 (Surr)	81		52 - 151
Toluene-d8 (Surr)	93		53 - 124

Lab Sample ID: LCSD 180-452894/4

Matrix: Solid

Analysis Batch: 452894

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.0100	0.0109		mg/L		109	68 - 122	0	21
2-Butanone (MEK)	0.0100	0.0101	J	mg/L		101	35 - 158	9	35
Carbon tetrachloride	0.0100	0.0129		mg/L		129	60 - 135	1	25
Chlorobenzene	0.0100	0.0111		mg/L		111	72 - 123	1	19
Chloroform	0.0100	0.0113		mg/L		113	62 - 121	4	22
1,2-Dichloroethane	0.0100	0.0110		mg/L		110	57 - 149	13	27
1,1-Dichloroethene	0.0100	0.0117		mg/L		117	49 - 132	0	23
Tetrachloroethene	0.0100	0.0119		mg/L		119	60 - 129	5	22
Trichloroethene	0.0100	0.0109		mg/L		109	67 - 121	2	23
Vinyl chloride	0.0100	0.0123		mg/L		123	47 - 147	2	25

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	68		49 - 118
Dibromofluoromethane (Surr)	95		60 - 132
1,2-Dichloroethane-d4 (Surr)	81		52 - 151
Toluene-d8 (Surr)	94		53 - 124

Lab Sample ID: LB 180-452783/1-A

Matrix: Solid

Analysis Batch: 452894

Client Sample ID: Method Blank

Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.20	0.012	mg/L			11/28/23 11:48	1
2-Butanone (MEK)	ND		1.0	0.051	mg/L			11/28/23 11:48	1
Carbon tetrachloride	ND		0.20	0.018	mg/L			11/28/23 11:48	1
Chlorobenzene	ND		0.20	0.010	mg/L			11/28/23 11:48	1

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QC Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-165687-1

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

Lab Sample ID: LB 180-452783/1-A

Matrix: Solid

Analysis Batch: 452894

Client Sample ID: Method Blank

Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		0.20	0.012	mg/L			11/28/23 11:48	1
1,2-Dichloroethane	ND		0.20	0.011	mg/L			11/28/23 11:48	1
1,1-Dichloroethene	ND		0.20	0.011	mg/L			11/28/23 11:48	1
Tetrachloroethene	ND		0.20	0.0093	mg/L			11/28/23 11:48	1
Trichloroethene	ND		0.20	0.014	mg/L			11/28/23 11:48	1
Vinyl chloride	ND		0.20	0.0081	mg/L			11/28/23 11:48	1

Surrogate	LB %Recovery	LB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	76		49 - 118		11/28/23 11:48	1
Dibromofluoromethane (Surr)	96		60 - 132		11/28/23 11:48	1
1,2-Dichloroethane-d4 (Surr)	81		52 - 151		11/28/23 11:48	1
Toluene-d8 (Surr)	89		53 - 124		11/28/23 11:48	1

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

Lab Sample ID: MB 180-453003/1-A

Matrix: Solid

Analysis Batch: 453020

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 453003

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.050	0.0045	mg/L		11/29/23 00:32	11/29/23 12:56	1
2,4-Dinitrotoluene	ND		0.050	0.0079	mg/L		11/29/23 00:32	11/29/23 12:56	1
Hexachlorobenzene	ND		0.050	0.0055	mg/L		11/29/23 00:32	11/29/23 12:56	1
Hexachlorobutadiene	ND		0.050	0.0084	mg/L		11/29/23 00:32	11/29/23 12:56	1
Hexachloroethane	ND		0.050	0.0040	mg/L		11/29/23 00:32	11/29/23 12:56	1
2-Methylphenol	ND		0.050	0.0040	mg/L		11/29/23 00:32	11/29/23 12:56	1
Methylphenol, 3 & 4	ND		0.050	0.0079	mg/L		11/29/23 00:32	11/29/23 12:56	1
Nitrobenzene	ND		0.050	0.012	mg/L		11/29/23 00:32	11/29/23 12:56	1
Pentachlorophenol	ND		0.25	0.0075	mg/L		11/29/23 00:32	11/29/23 12:56	1
Pyridine	ND		0.10	0.0082	mg/L		11/29/23 00:32	11/29/23 12:56	1
2,4,5-Trichlorophenol	ND		0.050	0.0079	mg/L		11/29/23 00:32	11/29/23 12:56	1
2,4,6-Trichlorophenol	ND		0.050	0.0095	mg/L		11/29/23 00:32	11/29/23 12:56	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	77		55 - 105	11/29/23 00:32	11/29/23 12:56	1
2-Fluorophenol (Surr)	73		55 - 105	11/29/23 00:32	11/29/23 12:56	1
Nitrobenzene-d5 (Surr)	70		55 - 109	11/29/23 00:32	11/29/23 12:56	1
Phenol-d5 (Surr)	70		48 - 105	11/29/23 00:32	11/29/23 12:56	1
Terphenyl-d14 (Surr)	79		37 - 107	11/29/23 00:32	11/29/23 12:56	1
2,4,6-Tribromophenol (Surr)	75		32 - 115	11/29/23 00:32	11/29/23 12:56	1

Lab Sample ID: LCS 180-453003/2-A

Matrix: Solid

Analysis Batch: 453020

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 453003

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dichlorobenzene	0.250	0.209		mg/L		84	61 - 100
2,4-Dinitrotoluene	0.250	0.163		mg/L		65	43 - 100

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QC Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-165687-1

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

Lab Sample ID: LCS 180-453003/2-A

Matrix: Solid

Analysis Batch: 453020

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 453003

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Hexachlorobenzene	0.250	0.190		mg/L		76	34 - 100
Hexachlorobutadiene	0.250	0.214		mg/L		86	52 - 110
Hexachloroethane	0.250	0.212		mg/L		85	56 - 100
2-Methylphenol	0.250	0.200		mg/L		80	56 - 100
Methylphenol, 3 & 4	0.500	0.414		mg/L		83	59 - 100
Nitrobenzene	0.250	0.204		mg/L		82	60 - 100
Pentachlorophenol	0.250	0.145	J	mg/L		58	14 - 112
Pyridine	0.250	0.226		mg/L		90	54 - 107
2,4,5-Trichlorophenol	0.250	0.216		mg/L		86	53 - 104
2,4,6-Trichlorophenol	0.250	0.209		mg/L		83	53 - 103

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	87		55 - 105
2-Fluorophenol (Surr)	83		55 - 105
Nitrobenzene-d5 (Surr)	75		55 - 109
Phenol-d5 (Surr)	78		48 - 105
Terphenyl-d14 (Surr)	86		37 - 107
2,4,6-Tribromophenol (Surr)	83		32 - 115

Lab Sample ID: LCSD 180-453003/3-A

Matrix: Solid

Analysis Batch: 453020

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 453003

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dichlorobenzene	0.250	0.188		mg/L		75	61 - 100	10	15
2,4-Dinitrotoluene	0.250	0.140	*1	mg/L		56	43 - 100	16	15
Hexachlorobenzene	0.250	0.160	*1	mg/L		64	34 - 100	17	15
Hexachlorobutadiene	0.250	0.166	*1	mg/L		67	52 - 110	25	15
Hexachloroethane	0.250	0.202		mg/L		81	56 - 100	5	15
2-Methylphenol	0.250	0.206		mg/L		83	56 - 100	3	15
Methylphenol, 3 & 4	0.500	0.422		mg/L		84	59 - 100	2	15
Nitrobenzene	0.250	0.195		mg/L		78	60 - 100	4	15
Pentachlorophenol	0.250	0.142	J	mg/L		57	14 - 112	2	18
Pyridine	0.250	0.205		mg/L		82	54 - 107	9	15
2,4,5-Trichlorophenol	0.250	0.181	*1	mg/L		72	53 - 104	17	15
2,4,6-Trichlorophenol	0.250	0.177	*1	mg/L		71	53 - 103	17	15

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorobiphenyl	73		55 - 105
2-Fluorophenol (Surr)	78		55 - 105
Nitrobenzene-d5 (Surr)	74		55 - 109
Phenol-d5 (Surr)	79		48 - 105
Terphenyl-d14 (Surr)	71		37 - 107
2,4,6-Tribromophenol (Surr)	71		32 - 115

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QC Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-165687-1

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

Lab Sample ID: LB 180-452799/1-B

Matrix: Solid

Analysis Batch: 453020

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 453003

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.050	0.0045	mg/L		11/29/23 00:32	11/29/23 17:06	1
2,4-Dinitrotoluene	ND		0.050	0.0079	mg/L		11/29/23 00:32	11/29/23 17:06	1
Hexachlorobenzene	ND		0.050	0.0055	mg/L		11/29/23 00:32	11/29/23 17:06	1
Hexachlorobutadiene	ND		0.050	0.0084	mg/L		11/29/23 00:32	11/29/23 17:06	1
Hexachloroethane	ND		0.050	0.0040	mg/L		11/29/23 00:32	11/29/23 17:06	1
2-Methylphenol	ND		0.050	0.0040	mg/L		11/29/23 00:32	11/29/23 17:06	1
Methylphenol, 3 & 4	ND		0.050	0.0079	mg/L		11/29/23 00:32	11/29/23 17:06	1
Nitrobenzene	ND		0.050	0.012	mg/L		11/29/23 00:32	11/29/23 17:06	1
Pentachlorophenol	ND		0.25	0.0075	mg/L		11/29/23 00:32	11/29/23 17:06	1
Pyridine	ND		0.10	0.0082	mg/L		11/29/23 00:32	11/29/23 17:06	1
2,4,5-Trichlorophenol	ND		0.050	0.0079	mg/L		11/29/23 00:32	11/29/23 17:06	1
2,4,6-Trichlorophenol	ND		0.050	0.0095	mg/L		11/29/23 00:32	11/29/23 17:06	1

Surrogate	LB %Recovery	LB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	73		55 - 105	11/29/23 00:32	11/29/23 17:06	1
2-Fluorophenol (Surr)	75		55 - 105	11/29/23 00:32	11/29/23 17:06	1
Nitrobenzene-d5 (Surr)	69		55 - 109	11/29/23 00:32	11/29/23 17:06	1
Phenol-d5 (Surr)	69		48 - 105	11/29/23 00:32	11/29/23 17:06	1
Terphenyl-d14 (Surr)	74		37 - 107	11/29/23 00:32	11/29/23 17:06	1
2,4,6-Tribromophenol (Surr)	65		32 - 115	11/29/23 00:32	11/29/23 17:06	1

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

Lab Sample ID: MB 180-453052/1-A

Matrix: Solid

Analysis Batch: 453217

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 453052

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.4	ug/Kg		11/29/23 08:13	11/30/23 14:06	1
PCB-1221	ND		17	5.9	ug/Kg		11/29/23 08:13	11/30/23 14:06	1
PCB-1232	ND		17	4.1	ug/Kg		11/29/23 08:13	11/30/23 14:06	1
PCB-1242	ND		17	2.4	ug/Kg		11/29/23 08:13	11/30/23 14:06	1
PCB-1248	ND		17	4.0	ug/Kg		11/29/23 08:13	11/30/23 14:06	1
PCB-1254	ND		17	5.0	ug/Kg		11/29/23 08:13	11/30/23 14:06	1
PCB-1260	ND		17	4.7	ug/Kg		11/29/23 08:13	11/30/23 14:06	1
PCB-1262	ND		17	5.9	ug/Kg		11/29/23 08:13	11/30/23 14:06	1
PCB-1268	ND		17	2.2	ug/Kg		11/29/23 08:13	11/30/23 14:06	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	128		63 - 138	11/29/23 08:13	11/30/23 14:06	1
DCB Decachlorobiphenyl (Surr)	128		63 - 138	11/29/23 08:13	11/30/23 14:06	1
Tetrachloro-m-xylene (Surr)	109		55 - 135	11/29/23 08:13	11/30/23 14:06	1
Tetrachloro-m-xylene (Surr)	115		55 - 135	11/29/23 08:13	11/30/23 14:06	1

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QC Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-165687-1

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

Lab Sample ID: LCS 180-453052/2-A
Matrix: Solid
Analysis Batch: 453217

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 453052

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	1330	1600		ug/Kg		120	43 - 136
PCB-1260	1330	1460		ug/Kg		110	55 - 128

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	139	S1+	63 - 138
DCB Decachlorobiphenyl (Surr)	128		63 - 138
Tetrachloro-m-xylene (Surr)	124		55 - 135
Tetrachloro-m-xylene (Surr)	131		55 - 135

Method: EPA 6010D - Metals (ICP)

Lab Sample ID: MB 180-453201/1-A
Matrix: Solid
Analysis Batch: 453333

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 453201

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND	^+	0.010	0.0083	mg/L		11/30/23 08:10	12/01/23 00:49	1
Barium	ND		0.20	0.027	mg/L		11/30/23 08:10	12/01/23 00:49	1
Cadmium	ND		0.0050	0.00030	mg/L		11/30/23 08:10	12/01/23 00:49	1
Chromium	ND		0.0050	0.0031	mg/L		11/30/23 08:10	12/01/23 00:49	1
Lead	ND		0.010	0.0044	mg/L		11/30/23 08:10	12/01/23 00:49	1
Selenium	ND		0.010	0.0037	mg/L		11/30/23 08:10	12/01/23 00:49	1
Silver	ND		0.0050	0.00091	mg/L		11/30/23 08:10	12/01/23 00:49	1

Lab Sample ID: LCS 180-453201/2-A
Matrix: Solid
Analysis Batch: 453333

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 453201

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	1.00	1.05	^+	mg/L		105	80 - 120
Barium	1.00	0.976		mg/L		98	80 - 120
Cadmium	0.500	0.521		mg/L		104	80 - 120
Chromium	0.500	0.484		mg/L		97	80 - 120
Lead	0.500	0.456		mg/L		91	80 - 120
Selenium	1.00	1.02		mg/L		102	80 - 120
Silver	0.250	0.251		mg/L		100	80 - 120

Lab Sample ID: LB 180-452799/1-E
Matrix: Solid
Analysis Batch: 453333

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 453201

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND	^+	0.10	0.083	mg/L		11/30/23 08:10	12/01/23 00:59	1
Barium	ND		2.0	0.27	mg/L		11/30/23 08:10	12/01/23 00:59	1
Cadmium	ND		0.050	0.0030	mg/L		11/30/23 08:10	12/01/23 00:59	1
Chromium	ND		0.050	0.031	mg/L		11/30/23 08:10	12/01/23 00:59	1
Lead	ND		0.10	0.044	mg/L		11/30/23 08:10	12/01/23 00:59	1
Selenium	ND		0.10	0.037	mg/L		11/30/23 08:10	12/01/23 00:59	1
Silver	ND		0.050	0.0091	mg/L		11/30/23 08:10	12/01/23 00:59	1

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QC Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-165687-1

Method: EPA 7470A - Mercury (CVAA)

Lab Sample ID: MB 180-453121/1-A
Matrix: Solid
Analysis Batch: 453157

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 453121

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		11/29/23 12:26	11/29/23 15:34	1

Lab Sample ID: LCS 180-453121/2-A
Matrix: Solid
Analysis Batch: 453157

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 453121

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00250	0.00254		mg/L		102	80 - 120

Lab Sample ID: LB 180-452799/1-D
Matrix: Solid
Analysis Batch: 453157

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 453121

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		11/29/23 12:26	11/29/23 15:36	1

Method: EPA 9014 - Cyanide

Lab Sample ID: MB 180-452936/4-A
Matrix: Solid
Analysis Batch: 452984

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 452936

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.50	0.38	mg/Kg		11/28/23 12:30	11/28/23 14:30	1

Lab Sample ID: HLCS 180-452936/2-A
Matrix: Solid
Analysis Batch: 452984

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 452936

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.250	0.255		mg/Kg		102	90 - 110

Lab Sample ID: LCS 180-452936/3-A
Matrix: Solid
Analysis Batch: 452984

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 452936

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	120	105		mg/Kg		88	17 - 163

Lab Sample ID: LLCS 180-452936/1-A
Matrix: Solid
Analysis Batch: 452984

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 452936

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.0500	0.0488		mg/Kg		98	90 - 110

Eurofins Pittsburgh

QC Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-165687-1

Method: EPA 9034 - Sulfide, Acid soluble and Insoluble (Titrimetric)

Lab Sample ID: MB 180-452713/2-A

Matrix: Solid

Analysis Batch: 452732

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 452713

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	ND		30	10	mg/Kg		11/25/23 06:30	11/25/23 12:14	1

Lab Sample ID: LCS 180-452713/1-A

Matrix: Solid

Analysis Batch: 452732

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 452713

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	183	174		mg/Kg		95	85 - 115

Lab Sample ID: 180-165687-1 MS

Matrix: Solid

Analysis Batch: 452732

Client Sample ID: SSHS-ISMP-D14

Prep Type: Total/NA

Prep Batch: 452713

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	ND		201	179		mg/Kg	⊛	89	75 - 125

Lab Sample ID: 180-165687-1 MSD

Matrix: Solid

Analysis Batch: 452732

Client Sample ID: SSHS-ISMP-D14

Prep Type: Total/NA

Prep Batch: 452713

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide	ND		198	181		mg/Kg	⊛	91	75 - 125	1	20

Method: EPA 9045D - pH

Lab Sample ID: LCS 180-453119/1

Matrix: Solid

Analysis Batch: 453119

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
pH	7.00	7.0		SU		100	99 - 101

Lab Sample ID: 180-165687-1 DU

Matrix: Solid

Analysis Batch: 453119

Client Sample ID: SSHS-ISMP-D14

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	8.6	HF	8.6		SU		0.2	2

QC Association Summary

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-165687-1

GC/MS VOA

Leach Batch: 452783

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-165687-1	SSHS-ISMP-D14	TCLP	Solid	EPA 1311	
180-165687-2	SSHS-ISMP-D15	TCLP	Solid	EPA 1311	
LB 180-452783/1-A	Method Blank	TCLP	Solid	EPA 1311	

Analysis Batch: 452894

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-165687-1	SSHS-ISMP-D14	TCLP	Solid	EPA 8260D	452783
180-165687-2	SSHS-ISMP-D15	TCLP	Solid	EPA 8260D	452783
LB 180-452783/1-A	Method Blank	TCLP	Solid	EPA 8260D	452783
LCS 180-452894/3	Lab Control Sample	Total/NA	Solid	EPA 8260D	
LCSD 180-452894/4	Lab Control Sample Dup	Total/NA	Solid	EPA 8260D	

GC/MS Semi VOA

Leach Batch: 452799

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-165687-1	SSHS-ISMP-D14	TCLP	Solid	EPA 1311	
180-165687-2	SSHS-ISMP-D15	TCLP	Solid	EPA 1311	
LB 180-452799/1-B	Method Blank	TCLP	Solid	EPA 1311	

Prep Batch: 453003

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-165687-1	SSHS-ISMP-D14	TCLP	Solid	3510C	452799
180-165687-2	SSHS-ISMP-D15	TCLP	Solid	3510C	452799
LB 180-452799/1-B	Method Blank	TCLP	Solid	3510C	452799
MB 180-453003/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 180-453003/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 180-453003/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	

Analysis Batch: 453020

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-165687-1	SSHS-ISMP-D14	TCLP	Solid	EPA 8270E	453003
180-165687-2	SSHS-ISMP-D15	TCLP	Solid	EPA 8270E	453003
LB 180-452799/1-B	Method Blank	TCLP	Solid	EPA 8270E	453003
MB 180-453003/1-A	Method Blank	Total/NA	Solid	EPA 8270E	453003
LCS 180-453003/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270E	453003
LCSD 180-453003/3-A	Lab Control Sample Dup	Total/NA	Solid	EPA 8270E	453003

GC Semi VOA

Prep Batch: 453052

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-165687-1	SSHS-ISMP-D14	Total/NA	Solid	3541	
180-165687-2	SSHS-ISMP-D15	Total/NA	Solid	3541	
MB 180-453052/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-453052/2-A	Lab Control Sample	Total/NA	Solid	3541	

Analysis Batch: 453217

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-165687-1	SSHS-ISMP-D14	Total/NA	Solid	EPA 8082A	453052
180-165687-2	SSHS-ISMP-D15	Total/NA	Solid	EPA 8082A	453052
MB 180-453052/1-A	Method Blank	Total/NA	Solid	EPA 8082A	453052

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QC Association Summary

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-165687-1

GC Semi VOA (Continued)

Analysis Batch: 453217 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 180-453052/2-A	Lab Control Sample	Total/NA	Solid	EPA 8082A	453052

Metals

Leach Batch: 452799

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-165687-1	SSHS-ISMP-D14	TCLP	Solid	EPA 1311	
180-165687-2	SSHS-ISMP-D15	TCLP	Solid	EPA 1311	
LB 180-452799/1-D	Method Blank	TCLP	Solid	EPA 1311	
LB 180-452799/1-E	Method Blank	TCLP	Solid	EPA 1311	

Prep Batch: 453121

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-165687-1	SSHS-ISMP-D14	TCLP	Solid	7470A	452799
180-165687-2	SSHS-ISMP-D15	TCLP	Solid	7470A	452799
LB 180-452799/1-D	Method Blank	TCLP	Solid	7470A	452799
MB 180-453121/1-A	Method Blank	Total/NA	Solid	7470A	
LCS 180-453121/2-A	Lab Control Sample	Total/NA	Solid	7470A	

Analysis Batch: 453157

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-165687-1	SSHS-ISMP-D14	TCLP	Solid	EPA 7470A	453121
180-165687-2	SSHS-ISMP-D15	TCLP	Solid	EPA 7470A	453121
LB 180-452799/1-D	Method Blank	TCLP	Solid	EPA 7470A	453121
MB 180-453121/1-A	Method Blank	Total/NA	Solid	EPA 7470A	453121
LCS 180-453121/2-A	Lab Control Sample	Total/NA	Solid	EPA 7470A	453121

Prep Batch: 453201

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-165687-1	SSHS-ISMP-D14	TCLP	Solid	3010A	452799
180-165687-2	SSHS-ISMP-D15	TCLP	Solid	3010A	452799
LB 180-452799/1-E	Method Blank	TCLP	Solid	3010A	452799
MB 180-453201/1-A	Method Blank	Total/NA	Solid	3010A	
LCS 180-453201/2-A	Lab Control Sample	Total/NA	Solid	3010A	

Analysis Batch: 453333

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-165687-1	SSHS-ISMP-D14	TCLP	Solid	EPA 6010D	453201
180-165687-2	SSHS-ISMP-D15	TCLP	Solid	EPA 6010D	453201
LB 180-452799/1-E	Method Blank	TCLP	Solid	EPA 6010D	453201
MB 180-453201/1-A	Method Blank	Total/NA	Solid	EPA 6010D	453201
LCS 180-453201/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010D	453201

General Chemistry

Prep Batch: 452713

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-165687-1	SSHS-ISMP-D14	Total/NA	Solid	9030B	
180-165687-2	SSHS-ISMP-D15	Total/NA	Solid	9030B	
MB 180-452713/2-A	Method Blank	Total/NA	Solid	9030B	
LCS 180-452713/1-A	Lab Control Sample	Total/NA	Solid	9030B	
180-165687-1 MS	SSHS-ISMP-D14	Total/NA	Solid	9030B	

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QC Association Summary

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-165687-1

General Chemistry (Continued)

Prep Batch: 452713 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-165687-1 MSD	SSHS-ISMP-D14	Total/NA	Solid	9030B	

Analysis Batch: 452732

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-165687-1	SSHS-ISMP-D14	Total/NA	Solid	EPA 9034	452713
180-165687-2	SSHS-ISMP-D15	Total/NA	Solid	EPA 9034	452713
MB 180-452713/2-A	Method Blank	Total/NA	Solid	EPA 9034	452713
LCS 180-452713/1-A	Lab Control Sample	Total/NA	Solid	EPA 9034	452713
180-165687-1 MS	SSHS-ISMP-D14	Total/NA	Solid	EPA 9034	452713
180-165687-1 MSD	SSHS-ISMP-D14	Total/NA	Solid	EPA 9034	452713

Analysis Batch: 452910

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-165687-2	SSHS-ISMP-D15	Total/NA	Solid	2540G	

Analysis Batch: 452920

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-165687-1	SSHS-ISMP-D14	Total/NA	Solid	2540G	

Prep Batch: 452936

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-165687-1	SSHS-ISMP-D14	Total/NA	Solid	9010C	
180-165687-2	SSHS-ISMP-D15	Total/NA	Solid	9010C	
MB 180-452936/4-A	Method Blank	Total/NA	Solid	9010C	
HLCS 180-452936/2-A	Lab Control Sample	Total/NA	Solid	9010C	
LCS 180-452936/3-A	Lab Control Sample	Total/NA	Solid	9010C	
LLCS 180-452936/1-A	Lab Control Sample	Total/NA	Solid	9010C	

Analysis Batch: 452984

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-165687-1	SSHS-ISMP-D14	Total/NA	Solid	EPA 9014	452936
180-165687-2	SSHS-ISMP-D15	Total/NA	Solid	EPA 9014	452936
MB 180-452936/4-A	Method Blank	Total/NA	Solid	EPA 9014	452936
HLCS 180-452936/2-A	Lab Control Sample	Total/NA	Solid	EPA 9014	452936
LCS 180-452936/3-A	Lab Control Sample	Total/NA	Solid	EPA 9014	452936
LLCS 180-452936/1-A	Lab Control Sample	Total/NA	Solid	EPA 9014	452936

Analysis Batch: 453119

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-165687-1	SSHS-ISMP-D14	Total/NA	Solid	EPA 9045D	
180-165687-2	SSHS-ISMP-D15	Total/NA	Solid	EPA 9045D	
LCS 180-453119/1	Lab Control Sample	Total/NA	Solid	EPA 9045D	
180-165687-1 DU	SSHS-ISMP-D14	Total/NA	Solid	EPA 9045D	

Analysis Batch: 947175

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-165687-1	SSHS-ISMP-D14	Total/NA	Solid	1030	
180-165687-2	SSHS-ISMP-D15	Total/NA	Solid	1030	

Eurofins Pittsburgh

Job Number:

180-156

Number of Coolers:

IR Gun #

Cooler Temperatures

RAW		CORRECTED	
Cooler #1	1.4	1.5	
Cooler #2:			
Cooler #3:			
Cooler #4:			
Cooler #5:			
Cooler #6:			
Cooler #7:			
Cooler #8:			
Cooler #9:			

[illegible]

If pH adjustments are required record the information below*

Sample No(s). adjusted

Preservative Name/Conc.

Volume of Preservative used (ml)

Lot # of Preservative(s)

Expiration Date:

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

* Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.

EDS-WI-038, Rev 4.1
10/22/2019

Initials

15

Date _____

2/23

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-165687-1

Login Number: 165687

List Source: Eurofins Pittsburgh

List Number: 1

Creator: Dunlap, David A

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-165687-1

Login Number: 165687

List Number: 2

Creator: Rivera, Kenneth

List Source: Eurofins Edison

List Creation: 11/25/23 10:03 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	2222840
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.5°C, IR #9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

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JOB DESCRIPTION

Former Sperry Remington-Characterization

JOB NUMBER

180-167797-1

Eurofins Pittsburgh

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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1/17/2024 4:45:17 PM

Authorized for release by
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Case Narrative

Client: Geosyntec Consultants Inc
Project: Former Sperry Remington-Characterization

Job ID: 180-167797-1

Job ID: 180-167797-1

Eurofins Pittsburgh

Job Narrative 180-167797-1

Receipt

The samples were received on 1/6/2024 at the Eurofins Pittsburgh, PA and Edison, NJ laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 1.0° C and 1.8° C.

GC/MS VOA

Method 8260D: The continuing calibration verification (CCV) analyzed in batch 180-456598 was below criteria for the following analytes: 1,2-Dichloroethane and 1,2-Dichloroethane-d4 (surrogate). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

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

GC/MS Semi VOA

Method 8270E: The continuing calibration verification (CCV) analyzed in batch 180-456584 was above criteria for the following analytes: Hexachlorobutadiene and 2,4,6-Tribromophenol (surrogate). As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

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

GC Semi VOA

Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-456703 (CCVIS 180-456703/55) was below criteria for surrogate tetrachloro-m-xylene on column RTX-CLP1. The associated sample surrogate recoveries were within the control limits.

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

Metals

Method 6010D: The initial low level continuing calibration verification (ICVL) associated with batch 180-456738 recovered above the control limits for selenium at 134% (limits of 80-120%). As the ICVL was high and the sample associated with this ICVL did not have selenium detected, the results were reported.

Method 6010D: The continuing calibration verifications (CCV) associated with batch 180-456738 (CCV 180-456738/144 and CCV 180-456738/156) recovered above the control limit for selenium at 112% and 111%, respectively. As the CCVs were high and the sample associated with these CCVs did not have selenium detected, the results were reported.

Method 6010D: The continuing calibration verifications (CCV) associated with batch 180-456862 (CCV 180-456862/145, CCV 180-456862/157, CCV 180-456862/169, and CCV 180-456862/181) recovered above the control limit for selenium ranging from 122%-125%. As the CCVs were high and the sample associated with these CCVs had selenium detected below the reporting limit, the results were reported.

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

General Chemistry

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

Eurofins Pittsburgh

Definitions/Glossary

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-167797-1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

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

Metals

Qualifier	Qualifier Description
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
^1+	Initial Calibration Verification (ICV) is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-167797-1

Laboratory: Eurofins Pittsburgh

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	04-01-24
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Moisture
2540G		Solid	Percent Solids

Laboratory: Eurofins Edison

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-01-24

Sample Summary

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-167797-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-167797-1	SSHS-ISMP-D16	Solid	01/05/24 15:30	01/06/24 09:30
180-167797-2	SSHS-ISMP-D17	Solid	01/05/24 15:40	01/06/24 09:30

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

Method Summary

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-167797-1

Method	Method Description	Protocol	Laboratory
EPA 8260D	Volatile Organic Compounds by GC/MS	SW846	EET PIT
EPA 8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET PIT
EPA 6010D	Metals (ICP)	SW846	EET PIT
EPA 7470A	Mercury (CVAA)	SW846	EET PIT
1030	Ignitability, Solids	SW846	EET EDI
2540G	SM 2540G	SM22	EET PIT
EPA 9014	Cyanide	SW846	EET PIT
EPA 9034	Sulfide, Acid soluble and Insoluble (Titrimetric)	SW846	EET PIT
EPA 9045D	pH	SW846	EET PIT
3010A	Preparation, Total Metals	SW846	EET PIT
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET PIT
3541	Automated Soxhlet Extraction	SW846	EET PIT
5030C	Purge and Trap	SW846	EET PIT
7470A	Preparation, Mercury	SW846	EET PIT
9010C	Cyanide, Distillation	SW846	EET PIT
9030B	Sulfide, Distillation (Acid Soluble and Insoluble)	SW846	EET PIT
EPA 1311	TCLP Extraction	SW846	EET PIT

Protocol References:

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition

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

Laboratory References:

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

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

Lab Chronicle

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-167797-1

Client Sample ID: SSHS-ISMP-D16

Lab Sample ID: 180-167797-1

Date Collected: 01/05/24 15:30

Matrix: Solid

Date Received: 01/06/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	EPA 1311			25.07 g	500 mL	456251	01/08/24 07:30	MTM	EET PIT
TCLP	Analysis	EPA 8260D		1	0.25 mL	5 mL	456598	01/10/24 13:57	SGR	EET PIT
		Instrument ID: CHHP9								
TCLP	Leach	EPA 1311			100.13 g	2000 mL	456249	01/08/24 07:00	MTM	EET PIT
TCLP	Prep	3510C			200 mL	10.0 mL	456563	01/09/24 23:05	CBY	EET PIT
TCLP	Analysis	EPA 8270E		1	1 mL	1 mL	456584	01/10/24 16:56	VVP	EET PIT
		Instrument ID: CH733								
TCLP	Leach	EPA 1311			100.13 g	2000 mL	456249	01/08/24 07:00	MTM	EET PIT
TCLP	Prep	3010A			5 mL	50 mL	456509	01/10/24 08:58	SJM	EET PIT
TCLP	Analysis	EPA 6010D		1			456862	01/12/24 01:08	AAS	EET PIT
		Instrument ID: Q								
TCLP	Leach	EPA 1311			100.13 g	2000 mL	456249	01/08/24 07:00	MTM	EET PIT
TCLP	Prep	3010A			5 mL	50 mL	456509	01/10/24 08:58	SJM	EET PIT
TCLP	Analysis	EPA 6010D		1			457185	01/15/24 14:57	AAS	EET PIT
		Instrument ID: Q								
TCLP	Leach	EPA 1311			100.13 g	2000 mL	456249	01/08/24 07:00	MTM	EET PIT
TCLP	Prep	7470A			25 mL	25 mL	456511	01/09/24 11:25	RJR	EET PIT
TCLP	Analysis	EPA 7470A		1			456544	01/09/24 14:20	RJR	EET PIT
		Instrument ID: HGY								
Total/NA	Analysis	1030		1			954395	01/11/24 12:04	YAH	EET EDI
		Instrument ID: NOEQUIP								
Total/NA	Analysis	2540G		1			456354	01/08/24 10:57	RSK	EET PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	EPA 9045D		1	19.77 g	20 mL	456515	01/09/24 13:17	ELS	EET PIT
		Instrument ID: NOEQUIP								

Client Sample ID: SSHS-ISMP-D16

Lab Sample ID: 180-167797-1

Date Collected: 01/05/24 15:30

Matrix: Solid

Date Received: 01/06/24 09:30

Percent Solids: 89.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	20.0 mL	456637	01/10/24 11:41	DVC	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	456703	01/12/24 04:23	JMO	EET PIT
		Instrument ID: CHGC20								
Total/NA	Prep	9010C			0.60 g	10 mL	456398	01/09/24 11:00	CMR	EET PIT
Total/NA	Analysis	EPA 9014		1			456546	01/09/24 14:31	CMR	EET PIT
		Instrument ID: SHAMU								
Total/NA	Prep	9030B			5.09 mL	50 mL	456575	01/10/24 07:04	BAB	EET PIT
Total/NA	Analysis	EPA 9034		1			456619	01/10/24 09:51	BAB	EET PIT
		Instrument ID: NOEQUIP								

Eurofins Pittsburgh

Lab Chronicle

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-167797-1

Client Sample ID: SSHS-ISMP-D17

Lab Sample ID: 180-167797-2

Date Collected: 01/05/24 15:40

Matrix: Solid

Date Received: 01/06/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	EPA 1311			25.38 g	500 mL	456251	01/08/24 07:30	MTM	EET PIT
TCLP	Analysis	EPA 8260D		1	0.25 mL	5 mL	456598	01/10/24 18:35	SGR	EET PIT
		Instrument ID: CHHP9								
TCLP	Leach	EPA 1311			100.08 g	2000 mL	456275	01/08/24 07:00	MTM	EET PIT
TCLP	Prep	3510C			200 mL	10.0 mL	456563	01/09/24 23:05	CBY	EET PIT
TCLP	Analysis	EPA 8270E		1	1 mL	1 mL	456584	01/10/24 17:15	VVP	EET PIT
		Instrument ID: CH733								
TCLP	Leach	EPA 1311			100.08 g	2000 mL	456275	01/08/24 07:00	MTM	EET PIT
TCLP	Prep	3010A			5 mL	50 mL	456507	01/09/24 11:22	SJM	EET PIT
TCLP	Analysis	EPA 6010D		1			456738	01/11/24 00:13	AAS	EET PIT
		Instrument ID: Q								
TCLP	Leach	EPA 1311			100.08 g	2000 mL	456275	01/08/24 07:00	MTM	EET PIT
TCLP	Prep	7470A			25 mL	25 mL	456511	01/09/24 11:26	RJR	EET PIT
TCLP	Analysis	EPA 7470A		1			456544	01/09/24 14:24	RJR	EET PIT
		Instrument ID: HGY								
Total/NA	Analysis	1030		1			954395	01/11/24 12:04	YAH	EET EDI
		Instrument ID: NOEQUIP								
Total/NA	Analysis	2540G		1			456354	01/08/24 10:57	RSK	EET PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	EPA 9045D		1	20.14 g	20 mL	456515	01/09/24 13:27	ELS	EET PIT
		Instrument ID: NOEQUIP								

Client Sample ID: SSHS-ISMP-D17

Lab Sample ID: 180-167797-2

Date Collected: 01/05/24 15:40

Matrix: Solid

Date Received: 01/06/24 09:30

Percent Solids: 90.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	20.0 mL	456637	01/10/24 11:41	DVC	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	456703	01/12/24 04:41	JMO	EET PIT
		Instrument ID: CHGC20								
Total/NA	Prep	9010C			0.52 g	10 mL	456398	01/09/24 11:00	CMR	EET PIT
Total/NA	Analysis	EPA 9014		1			456546	01/09/24 14:31	CMR	EET PIT
		Instrument ID: SHAMU								
Total/NA	Prep	9030B			5.10 mL	50 mL	456575	01/10/24 07:04	BAB	EET PIT
Total/NA	Analysis	EPA 9034		1			456619	01/10/24 09:55	BAB	EET PIT
		Instrument ID: NOEQUIP								

¹ This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

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

Eurofins Pittsburgh

Lab Chronicle

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-167797-1

Analyst References:

- Lab: EET EDI
 - Batch Type: Analysis
 - YAH = Youhao Hu
- Lab: EET PIT
 - Batch Type: Leach
 - MTM = Matthew McGhee
 - Batch Type: Prep
 - BAB = Brooke Batyi
 - CBY = Charles Yushinski
 - CMR = Carl Reagle
 - DVC = Daniel Capodanno
 - RJR = Ron Rosenbaum
 - SJM = Shannon Mueller
 - Batch Type: Analysis
 - AAS = Ariana Swick
 - BAB = Brooke Batyi
 - CMR = Carl Reagle
 - ELS = Edwin Shireman
 - JMO = John Oravec
 - RJR = Ron Rosenbaum
 - RSK = Robert Kurtz
 - SGR = Steven Russell
 - VVP = Vincent Piccolino

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Client Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-167797-1

Client Sample ID: SSHS-ISMP-D16

Lab Sample ID: 180-167797-1

Date Collected: 01/05/24 15:30

Matrix: Solid

Date Received: 01/06/24 09:30

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.20	0.012	mg/L			01/10/24 13:57	1
2-Butanone (MEK)	ND		1.0	0.051	mg/L			01/10/24 13:57	1
Carbon tetrachloride	ND		0.20	0.018	mg/L			01/10/24 13:57	1
Chlorobenzene	ND		0.20	0.010	mg/L			01/10/24 13:57	1
Chloroform	ND		0.20	0.012	mg/L			01/10/24 13:57	1
1,2-Dichloroethane	ND		0.20	0.011	mg/L			01/10/24 13:57	1
1,1-Dichloroethene	ND		0.20	0.011	mg/L			01/10/24 13:57	1
Tetrachloroethene	ND		0.20	0.0093	mg/L			01/10/24 13:57	1
Trichloroethene	ND		0.20	0.014	mg/L			01/10/24 13:57	1
Vinyl chloride	ND		0.20	0.0081	mg/L			01/10/24 13:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		49 - 118		01/10/24 13:57	1
Dibromofluoromethane (Surr)	91		60 - 132		01/10/24 13:57	1
1,2-Dichloroethane-d4 (Surr)	70		52 - 151		01/10/24 13:57	1
Toluene-d8 (Surr)	101		53 - 124		01/10/24 13:57	1

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.050	0.0045	mg/L		01/09/24 23:05	01/10/24 16:56	1
2,4-Dinitrotoluene	ND		0.050	0.0079	mg/L		01/09/24 23:05	01/10/24 16:56	1
Hexachlorobenzene	ND		0.050	0.0055	mg/L		01/09/24 23:05	01/10/24 16:56	1
Hexachlorobutadiene	ND		0.050	0.0084	mg/L		01/09/24 23:05	01/10/24 16:56	1
Hexachloroethane	ND		0.050	0.0040	mg/L		01/09/24 23:05	01/10/24 16:56	1
2-Methylphenol	ND		0.050	0.0040	mg/L		01/09/24 23:05	01/10/24 16:56	1
Methylphenol, 3 & 4	ND		0.050	0.0079	mg/L		01/09/24 23:05	01/10/24 16:56	1
Nitrobenzene	ND		0.050	0.012	mg/L		01/09/24 23:05	01/10/24 16:56	1
Pentachlorophenol	ND		0.25	0.0075	mg/L		01/09/24 23:05	01/10/24 16:56	1
Pyridine	ND		0.10	0.0082	mg/L		01/09/24 23:05	01/10/24 16:56	1
2,4,5-Trichlorophenol	ND		0.050	0.0079	mg/L		01/09/24 23:05	01/10/24 16:56	1
2,4,6-Trichlorophenol	ND		0.050	0.0095	mg/L		01/09/24 23:05	01/10/24 16:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	74		55 - 105	01/09/24 23:05	01/10/24 16:56	1
2-Fluorophenol (Surr)	76		52 - 104	01/09/24 23:05	01/10/24 16:56	1
Nitrobenzene-d5 (Surr)	71		55 - 109	01/09/24 23:05	01/10/24 16:56	1
Phenol-d5 (Surr)	69		55 - 105	01/09/24 23:05	01/10/24 16:56	1
Terphenyl-d14 (Surr)	67		50 - 107	01/09/24 23:05	01/10/24 16:56	1
2,4,6-Tribromophenol (Surr)	78		48 - 115	01/09/24 23:05	01/10/24 16:56	1

Method: SW846 EPA 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.10	0.083	mg/L		01/10/24 08:58	01/15/24 14:57	1
Barium	0.39	J	2.0	0.27	mg/L		01/10/24 08:58	01/15/24 14:57	1
Cadmium	ND		0.050	0.0030	mg/L		01/10/24 08:58	01/12/24 01:08	1
Chromium	ND		0.050	0.031	mg/L		01/10/24 08:58	01/12/24 01:08	1
Lead	ND		0.10	0.044	mg/L		01/10/24 08:58	01/12/24 01:08	1
Selenium	0.038	J ^+	0.10	0.037	mg/L		01/10/24 08:58	01/12/24 01:08	1
Silver	ND		0.050	0.0091	mg/L		01/10/24 08:58	01/15/24 14:57	1

Eurofins Pittsburgh

Client Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-167797-1

Client Sample ID: SSHS-ISMP-D16

Lab Sample ID: 180-167797-1

Date Collected: 01/05/24 15:30

Matrix: Solid

Date Received: 01/06/24 09:30

Method: SW846 EPA 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		01/09/24 11:25	01/09/24 14:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate (SW846 1030)	ND		2.20	2.20	mm/sec			01/11/24 12:04	1
Percent Moisture (SM22 2540G)	10.2		0.1	0.1	%			01/08/24 10:57	1
Percent Solids (SM22 2540G)	89.8		0.1	0.1	%			01/08/24 10:57	1
pH (SW846 EPA 9045D)	8.6	HF	0.1	0.1	SU			01/09/24 13:17	1

Client Sample ID: SSHS-ISMP-D16

Lab Sample ID: 180-167797-1

Date Collected: 01/05/24 15:30

Matrix: Solid

Date Received: 01/06/24 09:30

Percent Solids: 89.8

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.0	ug/Kg	☆	01/10/24 11:41	01/12/24 04:23	1
PCB-1221	ND		19	6.6	ug/Kg	☆	01/10/24 11:41	01/12/24 04:23	1
PCB-1232	ND		19	4.5	ug/Kg	☆	01/10/24 11:41	01/12/24 04:23	1
PCB-1242	ND		19	2.7	ug/Kg	☆	01/10/24 11:41	01/12/24 04:23	1
PCB-1248	ND		19	4.5	ug/Kg	☆	01/10/24 11:41	01/12/24 04:23	1
PCB-1254	ND		19	5.6	ug/Kg	☆	01/10/24 11:41	01/12/24 04:23	1
PCB-1260	ND		19	5.3	ug/Kg	☆	01/10/24 11:41	01/12/24 04:23	1
PCB-1262	ND		19	6.5	ug/Kg	☆	01/10/24 11:41	01/12/24 04:23	1
PCB-1268	ND		19	2.5	ug/Kg	☆	01/10/24 11:41	01/12/24 04:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	77		63 - 138	01/10/24 11:41	01/12/24 04:23	1
DCB Decachlorobiphenyl (Surr)	72		63 - 138	01/10/24 11:41	01/12/24 04:23	1
Tetrachloro-m-xylene (Surr)	61		55 - 135	01/10/24 11:41	01/12/24 04:23	1
Tetrachloro-m-xylene (Surr)	64		55 - 135	01/10/24 11:41	01/12/24 04:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 EPA 9014)	ND		0.19	0.14	mg/Kg	☆	01/09/24 11:00	01/09/24 14:31	1
Sulfide (SW846 EPA 9034)	ND		33	11	mg/Kg	☆	01/10/24 07:04	01/10/24 09:51	1

Client Sample ID: SSHS-ISMP-D17

Lab Sample ID: 180-167797-2

Date Collected: 01/05/24 15:40

Matrix: Solid

Date Received: 01/06/24 09:30

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.20	0.012	mg/L			01/10/24 18:35	1
2-Butanone (MEK)	ND		1.0	0.051	mg/L			01/10/24 18:35	1
Carbon tetrachloride	ND		0.20	0.018	mg/L			01/10/24 18:35	1
Chlorobenzene	ND		0.20	0.010	mg/L			01/10/24 18:35	1
Chloroform	ND		0.20	0.012	mg/L			01/10/24 18:35	1
1,2-Dichloroethane	ND		0.20	0.011	mg/L			01/10/24 18:35	1
1,1-Dichloroethene	ND		0.20	0.011	mg/L			01/10/24 18:35	1
Tetrachloroethene	ND		0.20	0.0093	mg/L			01/10/24 18:35	1
Trichloroethene	ND		0.20	0.014	mg/L			01/10/24 18:35	1

Eurofins Pittsburgh

Client Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-167797-1

Client Sample ID: SSHS-ISMP-D17

Lab Sample ID: 180-167797-2

Date Collected: 01/05/24 15:40

Matrix: Solid

Date Received: 01/06/24 09:30

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.20	0.0081	mg/L			01/10/24 18:35	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		49 - 118					01/10/24 18:35	1
Dibromofluoromethane (Surr)	80		60 - 132					01/10/24 18:35	1
1,2-Dichloroethane-d4 (Surr)	73		52 - 151					01/10/24 18:35	1
Toluene-d8 (Surr)	96		53 - 124					01/10/24 18:35	1

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.050	0.0045	mg/L		01/09/24 23:05	01/10/24 17:15	1
2,4-Dinitrotoluene	ND		0.050	0.0079	mg/L		01/09/24 23:05	01/10/24 17:15	1
Hexachlorobenzene	ND		0.050	0.0055	mg/L		01/09/24 23:05	01/10/24 17:15	1
Hexachlorobutadiene	ND		0.050	0.0084	mg/L		01/09/24 23:05	01/10/24 17:15	1
Hexachloroethane	ND		0.050	0.0040	mg/L		01/09/24 23:05	01/10/24 17:15	1
2-Methylphenol	ND		0.050	0.0040	mg/L		01/09/24 23:05	01/10/24 17:15	1
Methylphenol, 3 & 4	ND		0.050	0.0079	mg/L		01/09/24 23:05	01/10/24 17:15	1
Nitrobenzene	ND		0.050	0.012	mg/L		01/09/24 23:05	01/10/24 17:15	1
Pentachlorophenol	ND		0.25	0.0075	mg/L		01/09/24 23:05	01/10/24 17:15	1
Pyridine	ND		0.10	0.0082	mg/L		01/09/24 23:05	01/10/24 17:15	1
2,4,5-Trichlorophenol	ND		0.050	0.0079	mg/L		01/09/24 23:05	01/10/24 17:15	1
2,4,6-Trichlorophenol	ND		0.050	0.0095	mg/L		01/09/24 23:05	01/10/24 17:15	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	74		55 - 105				01/09/24 23:05	01/10/24 17:15	1
2-Fluorophenol (Surr)	77		52 - 104				01/09/24 23:05	01/10/24 17:15	1
Nitrobenzene-d5 (Surr)	74		55 - 109				01/09/24 23:05	01/10/24 17:15	1
Phenol-d5 (Surr)	68		55 - 105				01/09/24 23:05	01/10/24 17:15	1
Terphenyl-d14 (Surr)	69		50 - 107				01/09/24 23:05	01/10/24 17:15	1
2,4,6-Tribromophenol (Surr)	77		48 - 115				01/09/24 23:05	01/10/24 17:15	1

Method: SW846 EPA 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.10	0.083	mg/L		01/09/24 11:22	01/11/24 00:13	1
Barium	0.39	J	2.0	0.27	mg/L		01/09/24 11:22	01/11/24 00:13	1
Cadmium	ND		0.050	0.0030	mg/L		01/09/24 11:22	01/11/24 00:13	1
Chromium	ND		0.050	0.031	mg/L		01/09/24 11:22	01/11/24 00:13	1
Lead	ND		0.10	0.044	mg/L		01/09/24 11:22	01/11/24 00:13	1
Selenium	ND	^1+ ^+	0.10	0.037	mg/L		01/09/24 11:22	01/11/24 00:13	1
Silver	ND		0.050	0.0091	mg/L		01/09/24 11:22	01/11/24 00:13	1

Method: SW846 EPA 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		01/09/24 11:26	01/09/24 14:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate (SW846 1030)	ND		2.20	2.20	mm/sec			01/11/24 12:04	1
Percent Moisture (SM22 2540G)	9.8		0.1	0.1	%			01/08/24 10:57	1
Percent Solids (SM22 2540G)	90.2		0.1	0.1	%			01/08/24 10:57	1
pH (SW846 EPA 9045D)	9.0	HF	0.1	0.1	SU			01/09/24 13:27	1

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Client Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-167797-1

Client Sample ID: SSHS-ISMP-D17

Lab Sample ID: 180-167797-2

Date Collected: 01/05/24 15:40

Matrix: Solid

Date Received: 01/06/24 09:30

Percent Solids: 90.2

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	6.0	ug/Kg	✧	01/10/24 11:41	01/12/24 04:41	1
PCB-1221	ND		18	6.5	ug/Kg	✧	01/10/24 11:41	01/12/24 04:41	1
PCB-1232	ND		18	4.5	ug/Kg	✧	01/10/24 11:41	01/12/24 04:41	1
PCB-1242	ND		18	2.7	ug/Kg	✧	01/10/24 11:41	01/12/24 04:41	1
PCB-1248	ND		18	4.4	ug/Kg	✧	01/10/24 11:41	01/12/24 04:41	1
PCB-1254	ND		18	5.5	ug/Kg	✧	01/10/24 11:41	01/12/24 04:41	1
PCB-1260	ND		18	5.3	ug/Kg	✧	01/10/24 11:41	01/12/24 04:41	1
PCB-1262	ND		18	6.5	ug/Kg	✧	01/10/24 11:41	01/12/24 04:41	1
PCB-1268	ND		18	2.5	ug/Kg	✧	01/10/24 11:41	01/12/24 04:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	125		63 - 138	01/10/24 11:41	01/12/24 04:41	1
DCB Decachlorobiphenyl (Surr)	110		63 - 138	01/10/24 11:41	01/12/24 04:41	1
Tetrachloro-m-xylene (Surr)	102		55 - 135	01/10/24 11:41	01/12/24 04:41	1
Tetrachloro-m-xylene (Surr)	102		55 - 135	01/10/24 11:41	01/12/24 04:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 EPA 9014)	ND		0.21	0.16	mg/Kg	✧	01/09/24 11:00	01/09/24 14:31	1
Sulfide (SW846 EPA 9034)	ND		33	11	mg/Kg	✧	01/10/24 07:04	01/10/24 09:55	1

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QC Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-167797-1

Method: EPA 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 180-456598/11

Matrix: Solid

Analysis Batch: 456598

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.010	0.00060	mg/L			01/10/24 12:09	1
2-Butanone (MEK)	ND		0.050	0.0026	mg/L			01/10/24 12:09	1
Carbon tetrachloride	ND		0.010	0.00088	mg/L			01/10/24 12:09	1
Chlorobenzene	ND		0.010	0.00050	mg/L			01/10/24 12:09	1
Chloroform	ND		0.010	0.00060	mg/L			01/10/24 12:09	1
1,2-Dichloroethane	ND		0.010	0.00057	mg/L			01/10/24 12:09	1
1,1-Dichloroethene	ND		0.010	0.00055	mg/L			01/10/24 12:09	1
Tetrachloroethene	ND		0.010	0.00047	mg/L			01/10/24 12:09	1
Trichloroethene	ND		0.010	0.00069	mg/L			01/10/24 12:09	1
Vinyl chloride	ND		0.010	0.00041	mg/L			01/10/24 12:09	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		49 - 118		01/10/24 12:09	1
Dibromofluoromethane (Surr)	91		60 - 132		01/10/24 12:09	1
1,2-Dichloroethane-d4 (Surr)	75		52 - 151		01/10/24 12:09	1
Toluene-d8 (Surr)	102		53 - 124		01/10/24 12:09	1

Lab Sample ID: LCS 180-456598/9

Matrix: Solid

Analysis Batch: 456598

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.0100	0.00964	J	mg/L		96	68 - 122
2-Butanone (MEK)	0.0100	0.0110	J	mg/L		110	35 - 158
Carbon tetrachloride	0.0100	0.0115		mg/L		115	60 - 135
Chlorobenzene	0.0100	0.00999	J	mg/L		100	72 - 123
Chloroform	0.0100	0.00901	J	mg/L		90	62 - 121
1,2-Dichloroethane	0.0100	0.00750	J	mg/L		75	57 - 149
1,1-Dichloroethene	0.0100	0.0108		mg/L		108	49 - 132
Tetrachloroethene	0.0100	0.0116		mg/L		116	60 - 129
Trichloroethene	0.0100	0.0115		mg/L		115	67 - 121
Vinyl chloride	0.0100	0.00992	J	mg/L		99	47 - 147

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		49 - 118
Dibromofluoromethane (Surr)	89		60 - 132
1,2-Dichloroethane-d4 (Surr)	77		52 - 151
Toluene-d8 (Surr)	100		53 - 124

Lab Sample ID: LB 180-456251/1-A

Matrix: Solid

Analysis Batch: 456598

Client Sample ID: Method Blank

Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.20	0.012	mg/L			01/10/24 14:39	1
2-Butanone (MEK)	ND		1.0	0.051	mg/L			01/10/24 14:39	1
Carbon tetrachloride	ND		0.20	0.018	mg/L			01/10/24 14:39	1
Chlorobenzene	ND		0.20	0.010	mg/L			01/10/24 14:39	1

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QC Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-167797-1

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

Lab Sample ID: LB 180-456251/1-A

Matrix: Solid

Analysis Batch: 456598

Client Sample ID: Method Blank

Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		0.20	0.012	mg/L			01/10/24 14:39	1
1,2-Dichloroethane	ND		0.20	0.011	mg/L			01/10/24 14:39	1
1,1-Dichloroethene	ND		0.20	0.011	mg/L			01/10/24 14:39	1
Tetrachloroethene	ND		0.20	0.0093	mg/L			01/10/24 14:39	1
Trichloroethene	ND		0.20	0.014	mg/L			01/10/24 14:39	1
Vinyl chloride	ND		0.20	0.0081	mg/L			01/10/24 14:39	1

Surrogate	LB %Recovery	LB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		49 - 118		01/10/24 14:39	1
Dibromofluoromethane (Surr)	83		60 - 132		01/10/24 14:39	1
1,2-Dichloroethane-d4 (Surr)	68		52 - 151		01/10/24 14:39	1
Toluene-d8 (Surr)	93		53 - 124		01/10/24 14:39	1

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

Lab Sample ID: MB 180-456563/1-A

Matrix: Solid

Analysis Batch: 456584

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 456563

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.050	0.0045	mg/L		01/09/24 23:05	01/10/24 09:18	1
2,4-Dinitrotoluene	ND		0.050	0.0079	mg/L		01/09/24 23:05	01/10/24 09:18	1
Hexachlorobenzene	ND		0.050	0.0055	mg/L		01/09/24 23:05	01/10/24 09:18	1
Hexachlorobutadiene	ND		0.050	0.0084	mg/L		01/09/24 23:05	01/10/24 09:18	1
Hexachloroethane	ND		0.050	0.0040	mg/L		01/09/24 23:05	01/10/24 09:18	1
2-Methylphenol	ND		0.050	0.0040	mg/L		01/09/24 23:05	01/10/24 09:18	1
Methylphenol, 3 & 4	ND		0.050	0.0079	mg/L		01/09/24 23:05	01/10/24 09:18	1
Nitrobenzene	ND		0.050	0.012	mg/L		01/09/24 23:05	01/10/24 09:18	1
Pentachlorophenol	ND		0.25	0.0075	mg/L		01/09/24 23:05	01/10/24 09:18	1
Pyridine	ND		0.10	0.0082	mg/L		01/09/24 23:05	01/10/24 09:18	1
2,4,5-Trichlorophenol	ND		0.050	0.0079	mg/L		01/09/24 23:05	01/10/24 09:18	1
2,4,6-Trichlorophenol	ND		0.050	0.0095	mg/L		01/09/24 23:05	01/10/24 09:18	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	70		55 - 105	01/09/24 23:05	01/10/24 09:18	1
2-Fluorophenol (Surr)	73		52 - 104	01/09/24 23:05	01/10/24 09:18	1
Nitrobenzene-d5 (Surr)	69		55 - 109	01/09/24 23:05	01/10/24 09:18	1
Phenol-d5 (Surr)	71		55 - 105	01/09/24 23:05	01/10/24 09:18	1
Terphenyl-d14 (Surr)	65		50 - 107	01/09/24 23:05	01/10/24 09:18	1
2,4,6-Tribromophenol (Surr)	85		48 - 115	01/09/24 23:05	01/10/24 09:18	1

Lab Sample ID: LCS 180-456563/2-A

Matrix: Solid

Analysis Batch: 456584

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 456563

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dichlorobenzene	0.250	0.187		mg/L		75	61 - 100
2,4-Dinitrotoluene	0.250	0.178		mg/L		71	43 - 100

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QC Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-167797-1

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

Lab Sample ID: LCS 180-456563/2-A

Matrix: Solid

Analysis Batch: 456584

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 456563

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Hexachlorobenzene	0.250	0.137		mg/L		55	34 - 100
Hexachlorobutadiene	0.250	0.217		mg/L		87	56 - 110
Hexachloroethane	0.250	0.183		mg/L		73	56 - 100
2-Methylphenol	0.250	0.189		mg/L		76	56 - 100
Methylphenol, 3 & 4	0.500	0.396		mg/L		79	59 - 100
Nitrobenzene	0.250	0.178		mg/L		71	52 - 108
Pentachlorophenol	0.250	0.150	J	mg/L		60	19 - 112
Pyridine	0.250	0.238		mg/L		95	54 - 115
2,4,5-Trichlorophenol	0.250	0.183		mg/L		73	53 - 104
2,4,6-Trichlorophenol	0.250	0.187		mg/L		75	53 - 103

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	71		55 - 105
2-Fluorophenol (Surr)	77		52 - 104
Nitrobenzene-d5 (Surr)	70		55 - 109
Phenol-d5 (Surr)	74		55 - 105
Terphenyl-d14 (Surr)	65		50 - 107
2,4,6-Tribromophenol (Surr)	88		48 - 115

Lab Sample ID: LCSD 180-456563/3-A

Matrix: Solid

Analysis Batch: 456584

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 456563

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dichlorobenzene	0.250	0.181		mg/L		72	61 - 100	3	15
2,4-Dinitrotoluene	0.250	0.177		mg/L		71	43 - 100	1	15
Hexachlorobenzene	0.250	0.133		mg/L		53	34 - 100	3	15
Hexachlorobutadiene	0.250	0.215		mg/L		86	56 - 110	1	15
Hexachloroethane	0.250	0.173		mg/L		69	56 - 100	6	15
2-Methylphenol	0.250	0.185		mg/L		74	56 - 100	2	15
Methylphenol, 3 & 4	0.500	0.378		mg/L		76	59 - 100	5	15
Nitrobenzene	0.250	0.174		mg/L		70	52 - 108	2	15
Pentachlorophenol	0.250	0.144	J	mg/L		58	19 - 112	4	27
Pyridine	0.250	0.229		mg/L		92	54 - 115	4	15
2,4,5-Trichlorophenol	0.250	0.179		mg/L		71	53 - 104	2	15
2,4,6-Trichlorophenol	0.250	0.188		mg/L		75	53 - 103	0	15

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorobiphenyl	69		55 - 105
2-Fluorophenol (Surr)	75		52 - 104
Nitrobenzene-d5 (Surr)	68		55 - 109
Phenol-d5 (Surr)	72		55 - 105
Terphenyl-d14 (Surr)	63		50 - 107
2,4,6-Tribromophenol (Surr)	87		48 - 115

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QC Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-167797-1

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

Lab Sample ID: LB 180-456249/1-F

Matrix: Solid

Analysis Batch: 456584

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 456563

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.050	0.0045	mg/L		01/09/24 23:05	01/10/24 10:16	1
2,4-Dinitrotoluene	ND		0.050	0.0079	mg/L		01/09/24 23:05	01/10/24 10:16	1
Hexachlorobenzene	ND		0.050	0.0055	mg/L		01/09/24 23:05	01/10/24 10:16	1
Hexachlorobutadiene	ND		0.050	0.0084	mg/L		01/09/24 23:05	01/10/24 10:16	1
Hexachloroethane	ND		0.050	0.0040	mg/L		01/09/24 23:05	01/10/24 10:16	1
2-Methylphenol	ND		0.050	0.0040	mg/L		01/09/24 23:05	01/10/24 10:16	1
Methylphenol, 3 & 4	ND		0.050	0.0079	mg/L		01/09/24 23:05	01/10/24 10:16	1
Nitrobenzene	ND		0.050	0.012	mg/L		01/09/24 23:05	01/10/24 10:16	1
Pentachlorophenol	ND		0.25	0.0075	mg/L		01/09/24 23:05	01/10/24 10:16	1
Pyridine	ND		0.10	0.0082	mg/L		01/09/24 23:05	01/10/24 10:16	1
2,4,5-Trichlorophenol	ND		0.050	0.0079	mg/L		01/09/24 23:05	01/10/24 10:16	1
2,4,6-Trichlorophenol	ND		0.050	0.0095	mg/L		01/09/24 23:05	01/10/24 10:16	1

Surrogate	LB %Recovery	LB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	68		55 - 105	01/09/24 23:05	01/10/24 10:16	1
2-Fluorophenol (Surr)	70		52 - 104	01/09/24 23:05	01/10/24 10:16	1
Nitrobenzene-d5 (Surr)	66		55 - 109	01/09/24 23:05	01/10/24 10:16	1
Phenol-d5 (Surr)	67		55 - 105	01/09/24 23:05	01/10/24 10:16	1
Terphenyl-d14 (Surr)	61		50 - 107	01/09/24 23:05	01/10/24 10:16	1
2,4,6-Tribromophenol (Surr)	82		48 - 115	01/09/24 23:05	01/10/24 10:16	1

Lab Sample ID: LB 180-456275/1-D

Matrix: Solid

Analysis Batch: 456584

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 456563

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.050	0.0045	mg/L		01/09/24 23:05	01/10/24 10:54	1
2,4-Dinitrotoluene	ND		0.050	0.0079	mg/L		01/09/24 23:05	01/10/24 10:54	1
Hexachlorobenzene	ND		0.050	0.0055	mg/L		01/09/24 23:05	01/10/24 10:54	1
Hexachlorobutadiene	ND		0.050	0.0084	mg/L		01/09/24 23:05	01/10/24 10:54	1
Hexachloroethane	ND		0.050	0.0040	mg/L		01/09/24 23:05	01/10/24 10:54	1
2-Methylphenol	ND		0.050	0.0040	mg/L		01/09/24 23:05	01/10/24 10:54	1
Methylphenol, 3 & 4	ND		0.050	0.0079	mg/L		01/09/24 23:05	01/10/24 10:54	1
Nitrobenzene	ND		0.050	0.012	mg/L		01/09/24 23:05	01/10/24 10:54	1
Pentachlorophenol	ND		0.25	0.0075	mg/L		01/09/24 23:05	01/10/24 10:54	1
Pyridine	ND		0.10	0.0082	mg/L		01/09/24 23:05	01/10/24 10:54	1
2,4,5-Trichlorophenol	ND		0.050	0.0079	mg/L		01/09/24 23:05	01/10/24 10:54	1
2,4,6-Trichlorophenol	ND		0.050	0.0095	mg/L		01/09/24 23:05	01/10/24 10:54	1

Surrogate	LB %Recovery	LB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	65		55 - 105	01/09/24 23:05	01/10/24 10:54	1
2-Fluorophenol (Surr)	70		52 - 104	01/09/24 23:05	01/10/24 10:54	1
Nitrobenzene-d5 (Surr)	66		55 - 109	01/09/24 23:05	01/10/24 10:54	1
Phenol-d5 (Surr)	68		55 - 105	01/09/24 23:05	01/10/24 10:54	1
Terphenyl-d14 (Surr)	60		50 - 107	01/09/24 23:05	01/10/24 10:54	1
2,4,6-Tribromophenol (Surr)	81		48 - 115	01/09/24 23:05	01/10/24 10:54	1

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QC Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-167797-1

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

Lab Sample ID: MB 180-456637/1-A

Matrix: Solid

Analysis Batch: 456703

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 456637

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		8.3	2.7	ug/Kg		01/10/24 11:41	01/11/24 23:41	1
PCB-1221	ND		8.3	3.0	ug/Kg		01/10/24 11:41	01/11/24 23:41	1
PCB-1232	ND		8.3	2.0	ug/Kg		01/10/24 11:41	01/11/24 23:41	1
PCB-1242	ND		8.3	1.2	ug/Kg		01/10/24 11:41	01/11/24 23:41	1
PCB-1248	ND		8.3	2.0	ug/Kg		01/10/24 11:41	01/11/24 23:41	1
PCB-1254	ND		8.3	2.5	ug/Kg		01/10/24 11:41	01/11/24 23:41	1
PCB-1260	ND		8.3	2.4	ug/Kg		01/10/24 11:41	01/11/24 23:41	1
PCB-1262	ND		8.3	2.9	ug/Kg		01/10/24 11:41	01/11/24 23:41	1
PCB-1268	ND		8.3	1.1	ug/Kg		01/10/24 11:41	01/11/24 23:41	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	113		63 - 138	01/10/24 11:41	01/11/24 23:41	1
DCB Decachlorobiphenyl (Surr)	102		63 - 138	01/10/24 11:41	01/11/24 23:41	1
Tetrachloro-m-xylene (Surr)	95		55 - 135	01/10/24 11:41	01/11/24 23:41	1
Tetrachloro-m-xylene (Surr)	96		55 - 135	01/10/24 11:41	01/11/24 23:41	1

Lab Sample ID: LCS 180-456637/2-A

Matrix: Solid

Analysis Batch: 456703

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 456637

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	667	648		ug/Kg		97	43 - 136
PCB-1260	667	646		ug/Kg		97	55 - 128

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	114		63 - 138
DCB Decachlorobiphenyl (Surr)	106		63 - 138
Tetrachloro-m-xylene (Surr)	97		55 - 135
Tetrachloro-m-xylene (Surr)	100		55 - 135

Lab Sample ID: LCSD 180-456637/3-A

Matrix: Solid

Analysis Batch: 456703

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 456637

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
PCB-1016	667	688		ug/Kg		103	43 - 136	6	40
PCB-1260	667	666		ug/Kg		100	55 - 128	3	32

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	118		63 - 138
DCB Decachlorobiphenyl (Surr)	106		63 - 138
Tetrachloro-m-xylene (Surr)	101		55 - 135
Tetrachloro-m-xylene (Surr)	104		55 - 135

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QC Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-167797-1

Method: EPA 6010D - Metals (ICP)

Lab Sample ID: MB 180-456507/1-A

Matrix: Solid

Analysis Batch: 456738

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 456507

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.010	0.0083	mg/L		01/09/24 11:22	01/10/24 23:47	1
Barium	ND		0.20	0.027	mg/L		01/09/24 11:22	01/10/24 23:47	1
Cadmium	ND		0.0050	0.00030	mg/L		01/09/24 11:22	01/10/24 23:47	1
Chromium	ND		0.0050	0.0031	mg/L		01/09/24 11:22	01/10/24 23:47	1
Lead	ND		0.010	0.0044	mg/L		01/09/24 11:22	01/10/24 23:47	1
Selenium	ND	^1+ ^+	0.010	0.0037	mg/L		01/09/24 11:22	01/10/24 23:47	1
Silver	ND		0.0050	0.00091	mg/L		01/09/24 11:22	01/10/24 23:47	1

Lab Sample ID: LCS 180-456507/2-A

Matrix: Solid

Analysis Batch: 456738

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 456507

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	1.00	1.04		mg/L		104	80 - 120
Barium	1.00	1.01		mg/L		101	80 - 120
Cadmium	0.500	0.518		mg/L		104	80 - 120
Chromium	0.500	0.498		mg/L		100	80 - 120
Lead	0.500	0.488		mg/L		98	80 - 120
Selenium	1.00	1.01	^1+ ^+	mg/L		101	80 - 120
Silver	0.250	0.253		mg/L		101	80 - 120

Lab Sample ID: MB 180-456509/1-A

Matrix: Solid

Analysis Batch: 456862

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 456509

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.000320	J	0.0050	0.00030	mg/L		01/10/24 08:58	01/11/24 23:00	1
Chromium	ND		0.0050	0.0031	mg/L		01/10/24 08:58	01/11/24 23:00	1
Lead	ND		0.010	0.0044	mg/L		01/10/24 08:58	01/11/24 23:00	1
Selenium	ND	^+	0.010	0.0037	mg/L		01/10/24 08:58	01/11/24 23:00	1

Lab Sample ID: MB 180-456509/1-A

Matrix: Solid

Analysis Batch: 457185

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 456509

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.010	0.0083	mg/L		01/10/24 08:58	01/15/24 12:56	1
Barium	ND		0.20	0.027	mg/L		01/10/24 08:58	01/15/24 12:56	1
Silver	ND		0.0050	0.00091	mg/L		01/10/24 08:58	01/15/24 12:56	1

Lab Sample ID: LCS 180-456509/2-A

Matrix: Solid

Analysis Batch: 456862

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 456509

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cadmium	0.500	0.502		mg/L		100	80 - 120
Chromium	0.500	0.458		mg/L		92	80 - 120
Lead	0.500	0.449		mg/L		90	80 - 120
Selenium	1.00	1.08	^+	mg/L		108	80 - 120

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QC Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-167797-1

Method: EPA 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCS 180-456509/2-A
Matrix: Solid
Analysis Batch: 457185

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 456509

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	1.00	1.03		mg/L		103	80 - 120
Barium	1.00	1.07		mg/L		107	80 - 120
Silver	0.250	0.276		mg/L		111	80 - 120

Lab Sample ID: LB 180-456275/1-B
Matrix: Solid
Analysis Batch: 456738

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 456507

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.10	0.083	mg/L		01/09/24 11:22	01/11/24 00:08	1
Barium	ND		2.0	0.27	mg/L		01/09/24 11:22	01/11/24 00:08	1
Cadmium	ND		0.050	0.0030	mg/L		01/09/24 11:22	01/11/24 00:08	1
Chromium	ND		0.050	0.031	mg/L		01/09/24 11:22	01/11/24 00:08	1
Lead	ND		0.10	0.044	mg/L		01/09/24 11:22	01/11/24 00:08	1
Selenium	ND	^1+ ^+	0.10	0.037	mg/L		01/09/24 11:22	01/11/24 00:08	1
Silver	ND		0.050	0.0091	mg/L		01/09/24 11:22	01/11/24 00:08	1

Lab Sample ID: LB 180-456249/1-B
Matrix: Solid
Analysis Batch: 456862

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 456509

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.00330	J	0.050	0.0030	mg/L		01/10/24 08:58	01/11/24 23:10	1
Chromium	ND		0.050	0.031	mg/L		01/10/24 08:58	01/11/24 23:10	1
Lead	ND		0.10	0.044	mg/L		01/10/24 08:58	01/11/24 23:10	1
Selenium	ND	^+	0.10	0.037	mg/L		01/10/24 08:58	01/11/24 23:10	1

Lab Sample ID: LB 180-456249/1-B
Matrix: Solid
Analysis Batch: 457185

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 456509

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.10	0.083	mg/L		01/10/24 08:58	01/15/24 13:06	1
Barium	ND		2.0	0.27	mg/L		01/10/24 08:58	01/15/24 13:06	1
Silver	ND		0.050	0.0091	mg/L		01/10/24 08:58	01/15/24 13:06	1

Method: EPA 7470A - Mercury (CVAA)

Lab Sample ID: MB 180-456511/1-A
Matrix: Solid
Analysis Batch: 456544

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 456511

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		01/09/24 11:25	01/09/24 13:55	1

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QC Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-167797-1

Method: EPA 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 180-456511/2-A
Matrix: Solid
Analysis Batch: 456544

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 456511

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00250	0.00237		mg/L		95	80 - 120

Lab Sample ID: LB 180-456249/1-D
Matrix: Solid
Analysis Batch: 456544

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 456511

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		01/09/24 11:25	01/09/24 13:57	1

Lab Sample ID: LB 180-456275/1-C
Matrix: Solid
Analysis Batch: 456544

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 456511

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		01/09/24 11:26	01/09/24 14:23	1

Method: 2540G - SM 2540G

Lab Sample ID: 180-167797-2 DU
Matrix: Solid
Analysis Batch: 456354

Client Sample ID: SSHS-ISMP-D17
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	9.8		9.4		%		4	10
Percent Solids	90.2		90.6		%		0.4	10

Method: EPA 9014 - Cyanide

Lab Sample ID: MB 180-456398/4-A
Matrix: Solid
Analysis Batch: 456546

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 456398

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.50	0.38	mg/Kg		01/09/24 11:00	01/09/24 14:14	1

Lab Sample ID: HLCS 180-456398/2-A
Matrix: Solid
Analysis Batch: 456546

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 456398

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.250	0.247		mg/Kg		99	90 - 110

Lab Sample ID: LCS 180-456398/3-A
Matrix: Solid
Analysis Batch: 456546

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 456398

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	120	104		mg/Kg		86	17 - 163

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QC Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-167797-1

Method: EPA 9014 - Cyanide (Continued)

Lab Sample ID: LLCS 180-456398/1-A
Matrix: Solid
Analysis Batch: 456546

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 456398

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.0500	0.0508		mg/Kg		102	90 - 110

Method: EPA 9034 - Sulfide, Acid soluble and Insoluble (Titrimetric)

Lab Sample ID: MB 180-456575/2-A
Matrix: Solid
Analysis Batch: 456619

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 456575

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	ND		30	10	mg/Kg		01/10/24 07:04	01/10/24 09:49	1

Lab Sample ID: LCS 180-456575/1-A
Matrix: Solid
Analysis Batch: 456619

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 456575

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	183	172		mg/Kg		94	85 - 115

Lab Sample ID: 180-167797-1 MS
Matrix: Solid
Analysis Batch: 456619

Client Sample ID: SSHS-ISMP-D16
Prep Type: Total/NA
Prep Batch: 456575

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	ND		202	155		mg/Kg	✱	77	75 - 125

Lab Sample ID: 180-167797-1 MSD
Matrix: Solid
Analysis Batch: 456619

Client Sample ID: SSHS-ISMP-D16
Prep Type: Total/NA
Prep Batch: 456575

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide	ND		201	156		mg/Kg	✱	77	75 - 125	1	20

Method: EPA 9045D - pH

Lab Sample ID: LCS 180-456515/1
Matrix: Solid
Analysis Batch: 456515

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
pH	7.00	7.0		SU		100	99 - 101

Lab Sample ID: 180-167797-2 DU
Matrix: Solid
Analysis Batch: 456515

Client Sample ID: SSHS-ISMP-D17
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	9.0	HF	9.0		SU		0.2	2

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QC Association Summary

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-167797-1

GC/MS VOA

Leach Batch: 456251

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-167797-1	SSHS-ISMP-D16	TCLP	Solid	EPA 1311	
180-167797-2	SSHS-ISMP-D17	TCLP	Solid	EPA 1311	
LB 180-456251/1-A	Method Blank	TCLP	Solid	EPA 1311	

Analysis Batch: 456598

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-167797-1	SSHS-ISMP-D16	TCLP	Solid	EPA 8260D	456251
180-167797-2	SSHS-ISMP-D17	TCLP	Solid	EPA 8260D	456251
LB 180-456251/1-A	Method Blank	TCLP	Solid	EPA 8260D	456251
MB 180-456598/11	Method Blank	Total/NA	Solid	EPA 8260D	
LCS 180-456598/9	Lab Control Sample	Total/NA	Solid	EPA 8260D	

GC/MS Semi VOA

Leach Batch: 456249

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-167797-1	SSHS-ISMP-D16	TCLP	Solid	EPA 1311	
LB 180-456249/1-F	Method Blank	TCLP	Solid	EPA 1311	

Leach Batch: 456275

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-167797-2	SSHS-ISMP-D17	TCLP	Solid	EPA 1311	
LB 180-456275/1-D	Method Blank	TCLP	Solid	EPA 1311	

Prep Batch: 456563

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-167797-1	SSHS-ISMP-D16	TCLP	Solid	3510C	456249
180-167797-2	SSHS-ISMP-D17	TCLP	Solid	3510C	456275
LB 180-456249/1-F	Method Blank	TCLP	Solid	3510C	456249
LB 180-456275/1-D	Method Blank	TCLP	Solid	3510C	456275
MB 180-456563/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 180-456563/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 180-456563/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	

Analysis Batch: 456584

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-167797-1	SSHS-ISMP-D16	TCLP	Solid	EPA 8270E	456563
180-167797-2	SSHS-ISMP-D17	TCLP	Solid	EPA 8270E	456563
LB 180-456249/1-F	Method Blank	TCLP	Solid	EPA 8270E	456563
LB 180-456275/1-D	Method Blank	TCLP	Solid	EPA 8270E	456563
MB 180-456563/1-A	Method Blank	Total/NA	Solid	EPA 8270E	456563
LCS 180-456563/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270E	456563
LCSD 180-456563/3-A	Lab Control Sample Dup	Total/NA	Solid	EPA 8270E	456563

GC Semi VOA

Prep Batch: 456637

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-167797-1	SSHS-ISMP-D16	Total/NA	Solid	3541	
180-167797-2	SSHS-ISMP-D17	Total/NA	Solid	3541	
MB 180-456637/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-456637/2-A	Lab Control Sample	Total/NA	Solid	3541	

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QC Association Summary

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-167797-1

GC Semi VOA (Continued)

Prep Batch: 456637 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 180-456637/3-A	Lab Control Sample Dup	Total/NA	Solid	3541	

Analysis Batch: 456703

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-167797-1	SSHS-ISMP-D16	Total/NA	Solid	EPA 8082A	456637
180-167797-2	SSHS-ISMP-D17	Total/NA	Solid	EPA 8082A	456637
MB 180-456637/1-A	Method Blank	Total/NA	Solid	EPA 8082A	456637
LCS 180-456637/2-A	Lab Control Sample	Total/NA	Solid	EPA 8082A	456637
LCSD 180-456637/3-A	Lab Control Sample Dup	Total/NA	Solid	EPA 8082A	456637

Metals

Leach Batch: 456249

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-167797-1	SSHS-ISMP-D16	TCLP	Solid	EPA 1311	
LB 180-456249/1-B	Method Blank	TCLP	Solid	EPA 1311	
LB 180-456249/1-D	Method Blank	TCLP	Solid	EPA 1311	

Leach Batch: 456275

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-167797-2	SSHS-ISMP-D17	TCLP	Solid	EPA 1311	
LB 180-456275/1-B	Method Blank	TCLP	Solid	EPA 1311	
LB 180-456275/1-C	Method Blank	TCLP	Solid	EPA 1311	

Prep Batch: 456507

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-167797-2	SSHS-ISMP-D17	TCLP	Solid	3010A	456275
LB 180-456275/1-B	Method Blank	TCLP	Solid	3010A	456275
MB 180-456507/1-A	Method Blank	Total/NA	Solid	3010A	
LCS 180-456507/2-A	Lab Control Sample	Total/NA	Solid	3010A	

Prep Batch: 456509

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-167797-1	SSHS-ISMP-D16	TCLP	Solid	3010A	456249
LB 180-456249/1-B	Method Blank	TCLP	Solid	3010A	456249
MB 180-456509/1-A	Method Blank	Total/NA	Solid	3010A	
LCS 180-456509/2-A	Lab Control Sample	Total/NA	Solid	3010A	

Prep Batch: 456511

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-167797-1	SSHS-ISMP-D16	TCLP	Solid	7470A	456249
180-167797-2	SSHS-ISMP-D17	TCLP	Solid	7470A	456275
LB 180-456249/1-D	Method Blank	TCLP	Solid	7470A	456249
LB 180-456275/1-C	Method Blank	TCLP	Solid	7470A	456275
MB 180-456511/1-A	Method Blank	Total/NA	Solid	7470A	
LCS 180-456511/2-A	Lab Control Sample	Total/NA	Solid	7470A	

Analysis Batch: 456544

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-167797-1	SSHS-ISMP-D16	TCLP	Solid	EPA 7470A	456511
180-167797-2	SSHS-ISMP-D17	TCLP	Solid	EPA 7470A	456511

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QC Association Summary

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-167797-1

Metals (Continued)

Analysis Batch: 456544 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 180-456249/1-D	Method Blank	TCLP	Solid	EPA 7470A	456511
LB 180-456275/1-C	Method Blank	TCLP	Solid	EPA 7470A	456511
MB 180-456511/1-A	Method Blank	Total/NA	Solid	EPA 7470A	456511
LCS 180-456511/2-A	Lab Control Sample	Total/NA	Solid	EPA 7470A	456511

Analysis Batch: 456738

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-167797-2	SSHS-ISMP-D17	TCLP	Solid	EPA 6010D	456507
LB 180-456275/1-B	Method Blank	TCLP	Solid	EPA 6010D	456507
MB 180-456507/1-A	Method Blank	Total/NA	Solid	EPA 6010D	456507
LCS 180-456507/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010D	456507

Analysis Batch: 456862

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-167797-1	SSHS-ISMP-D16	TCLP	Solid	EPA 6010D	456509
LB 180-456249/1-B	Method Blank	TCLP	Solid	EPA 6010D	456509
MB 180-456509/1-A	Method Blank	Total/NA	Solid	EPA 6010D	456509
LCS 180-456509/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010D	456509

Analysis Batch: 457185

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-167797-1	SSHS-ISMP-D16	TCLP	Solid	EPA 6010D	456509
LB 180-456249/1-B	Method Blank	TCLP	Solid	EPA 6010D	456509
MB 180-456509/1-A	Method Blank	Total/NA	Solid	EPA 6010D	456509
LCS 180-456509/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010D	456509

General Chemistry

Analysis Batch: 456354

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-167797-1	SSHS-ISMP-D16	Total/NA	Solid	2540G	
180-167797-2	SSHS-ISMP-D17	Total/NA	Solid	2540G	
180-167797-2 DU	SSHS-ISMP-D17	Total/NA	Solid	2540G	

Prep Batch: 456398

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-167797-1	SSHS-ISMP-D16	Total/NA	Solid	9010C	
180-167797-2	SSHS-ISMP-D17	Total/NA	Solid	9010C	
MB 180-456398/4-A	Method Blank	Total/NA	Solid	9010C	
HLCS 180-456398/2-A	Lab Control Sample	Total/NA	Solid	9010C	
LCS 180-456398/3-A	Lab Control Sample	Total/NA	Solid	9010C	
LLCS 180-456398/1-A	Lab Control Sample	Total/NA	Solid	9010C	

Analysis Batch: 456515

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-167797-1	SSHS-ISMP-D16	Total/NA	Solid	EPA 9045D	
180-167797-2	SSHS-ISMP-D17	Total/NA	Solid	EPA 9045D	
LCS 180-456515/1	Lab Control Sample	Total/NA	Solid	EPA 9045D	
180-167797-2 DU	SSHS-ISMP-D17	Total/NA	Solid	EPA 9045D	

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QC Association Summary

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-167797-1

General Chemistry

Analysis Batch: 456546

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-167797-1	SSHS-ISMP-D16	Total/NA	Solid	EPA 9014	456398
180-167797-2	SSHS-ISMP-D17	Total/NA	Solid	EPA 9014	456398
MB 180-456398/4-A	Method Blank	Total/NA	Solid	EPA 9014	456398
HLCS 180-456398/2-A	Lab Control Sample	Total/NA	Solid	EPA 9014	456398
LCS 180-456398/3-A	Lab Control Sample	Total/NA	Solid	EPA 9014	456398
LLCS 180-456398/1-A	Lab Control Sample	Total/NA	Solid	EPA 9014	456398

Prep Batch: 456575

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-167797-1	SSHS-ISMP-D16	Total/NA	Solid	9030B	
180-167797-2	SSHS-ISMP-D17	Total/NA	Solid	9030B	
MB 180-456575/2-A	Method Blank	Total/NA	Solid	9030B	
LCS 180-456575/1-A	Lab Control Sample	Total/NA	Solid	9030B	
180-167797-1 MS	SSHS-ISMP-D16	Total/NA	Solid	9030B	
180-167797-1 MSD	SSHS-ISMP-D16	Total/NA	Solid	9030B	

Analysis Batch: 456619

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-167797-1	SSHS-ISMP-D16	Total/NA	Solid	EPA 9034	456575
180-167797-2	SSHS-ISMP-D17	Total/NA	Solid	EPA 9034	456575
MB 180-456575/2-A	Method Blank	Total/NA	Solid	EPA 9034	456575
LCS 180-456575/1-A	Lab Control Sample	Total/NA	Solid	EPA 9034	456575
180-167797-1 MS	SSHS-ISMP-D16	Total/NA	Solid	EPA 9034	456575
180-167797-1 MSD	SSHS-ISMP-D16	Total/NA	Solid	EPA 9034	456575

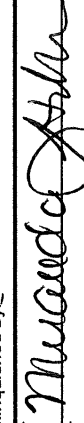
Analysis Batch: 954395

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-167797-1	SSHS-ISMP-D16	Total/NA	Solid	1030	
180-167797-2	SSHS-ISMP-D17	Total/NA	Solid	1030	

Chain of Custody Record

Waste Characterization



Client Information		Sampler		Lab PM	Carrier Tracking No(s)		COC No:									
Mr. Aron Krasnopoler		K CUNNINGHAM		Dunlap, David A			180-45857-9556.1									
Company		Phone: 708-248-3888		E-Mail: david.dunlap@testamericainc.com			Page 1 of 1									
Geosyntec Consultants, Inc.							Job #									
Address: 10211 Wincopin Circle 4th Floor		Due Date Requested:		Analysis Requested												
City: Columbia		TAT Requested (days): 5-DAY														
State, Zip: MD, 21044																
Phone: 410-381-4333		PO #: MN08321														
Email: akrasnopoler@geosyntec.com		WO #:														
Project Name: Former Sperry Remington Site-		Project #: 18013464														
Site		SSOW#:														
Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=wastewater, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C/470A - TCLP RCRA Metals	6270D - TCLP Semivolatiles	6010C/470A - TCLP RCRA Metals	9034/9030B - Sulfide	9045D - pH	1030 - Ignitability	9082A - PCBs	9014 - Cyanide	Total Number of containers	Special Instructions/Note: (m ³)
SSHS-ISMP-D16	1/5/24	1530	C	S	N	N	N	N	N	N	N	N	N	N	5	
SSHS-ISMP-D17	1/5/24	1540	C	S	N	N	N	N	N	N	N	N	N	N	5	
 180-167797 Chain of Custody																
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological																
Deliverable Requested: I, II, III, IV, Other (specify)																
Empty Kit Relinquished by: _____ Date: _____																
Relinquished by:  Date/Time: 1/5/24 11:00 Company: Geosyntec																
Relinquished by: _____ Date/Time: _____ Company: _____																
Relinquished by: _____ Date/Time: _____ Company: _____																
Custody Seals Intact: ☐ Yes ☐ No Custody Seal No.: _____																

Job Number-

180-167798

Number of Coolers:

IR Gun #

Cooler Temperatures

	RAW	CORRECTED
Cooler #1:	19 °C	10 °C
Cooler #2:	°C	°C
Cooler #3:	°C	°C

	RAW	CORRECTED
Cooler #4:	°C	°C
Cooler #5:	°C	°C
Cooler #6:	°C	°C

	RAW	CORRECTED
Cooler #7:	°C	°C
Cooler #8:	°C	°C
Cooler #9:	°C	°C

[illegible]

If pH adjustments are required record the information below-

Sample No(s). adjusted

Preservative Name/Conc.

Volume of Preservative used (ml)

Lot # of Preservative(s):

Expiration Date:

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-167797-1

Login Number: 167797

List Number: 1

Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-167797-1

Login Number: 167797

List Number: 2

Creator: Meyers, Gary

List Source: Eurofins Edison

List Creation: 01/08/24 05:03 PM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	